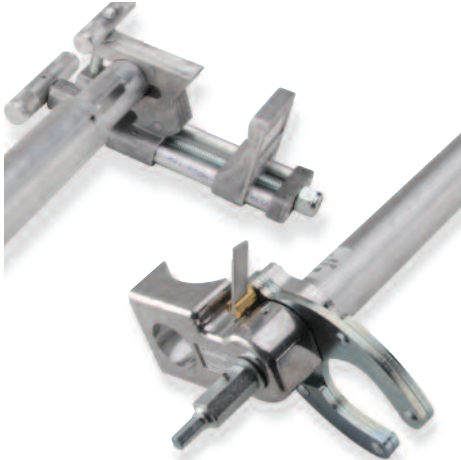
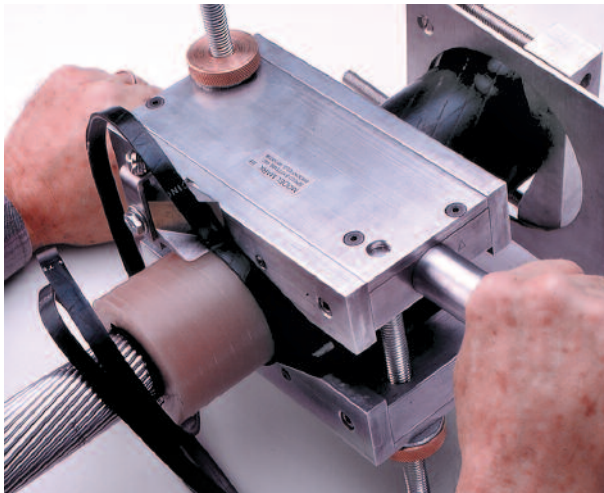


# Speed Systems

Quality Tools for Installing Power Cable Systems





*Speed Systems has been manufacturing quality, field-tested products since 1970. Our tools are designed and built in our manufacturing facility in Brookfield, Wisconsin.*

*We focus on safety, efficiency, ergonomics and value as we design and build tools to meet specific customer needs. We offer solutions for preparing primary and secondary cable for termination, as well as products for installing specific cable system components.*

*We take pride in supplying high quality tools and look forward to working with you on your specific applications or needs.*

## C o n t e n t s

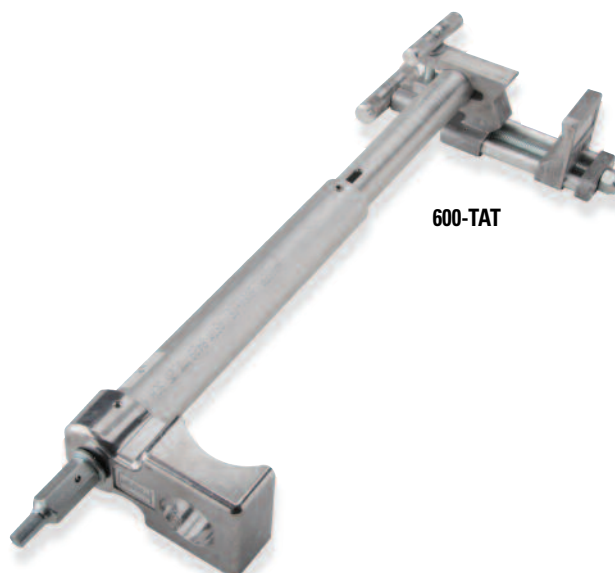
<b>Splice/Cable Adapter/T-Body Installation Tools .....</b>	<b>1</b>
<b>1542 Series Insulation Strippers.....</b>	<b>2</b>
<b>Insulation Stripper Accessories .....</b>	<b>2</b>
<b>Mark Series Insulation Strippers .....</b>	<b>3</b>
<b>Semi-Con Scorers.....</b>	<b>4</b>
<b>Chamfering Tools .....</b>	<b>4</b>
<b>Neutral Winders.....</b>	<b>5</b>
<b>Aerial Tree Wire/Spacer Cable Stripper.....</b>	<b>5</b>
<b>Secondary Strippers.....</b>	<b>5</b>
<b>Bushing Insert Tools .....</b>	<b>6</b>
<b>LRTP Tools.....</b>	<b>6</b>
<b>Clamp-on Bushing Insert Tool.....</b>	<b>7</b>
<b>Loadbreak Probe Wrenches.....</b>	<b>7</b>
<b>Elbow and Cap Pulling Tools.....</b>	<b>8</b>
<b>Elbow Accessories.....</b>	<b>8</b>
<b>Tap and Die Tools .....</b>	<b>9</b>
<b>Penta Security Wrenches .....</b>	<b>9</b>
<b>Overhead Lineman's Wrenches.....</b>	<b>10</b>
<b>Dogbone/Offset Style Ratcheting Box Wrenches .....</b>	<b>10</b>
<b>Ratcheting Hex Wrenches .....</b>	<b>11</b>
<b>Specialty Wrenches .....</b>	<b>11 - 12</b>
<b>Build Your Own Wrench.....</b>	<b>13</b>
<b>Isolated Tools .....</b>	<b>14</b>
<b>Knives and Pliers.....</b>	<b>14</b>
<b>Tool Bags and Boxes .....</b>	<b>15</b>
<b>Cable Prep Kits.....</b>	<b>16</b>
<b>Cable Prep Kits Ordering Chart.....</b>	<b>17</b>

## 600TAT Cable Adapter and T-Body Installation Tool

The 600TAT is designed to assist in the installation of 15kV, 25kV and 35kV 600 Amp cable adapters and T-Bodies onto medium voltage underground cable.

### Features:

- Clamp fits 15kV through 35kV components (0.75" - 2.625")
- 7-1/8" stroke (two revolutions of drive per inch of stroke)
- Ergonomically beneficial
- Includes carrying bag



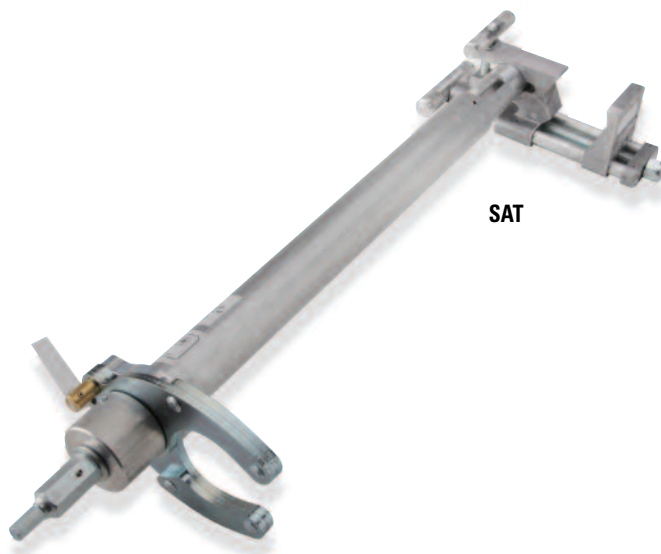
600-TAT

## SAT Splice Assembly Tool

The SAT is designed to ease installation and assembly of 15kV, 25kV and 35kV molded rubber splice components.

### Features:

- Clamp fits 15kV through 35kV components (0.75" - 2.625")
- Splice gripping arms open 1-1/2" - 3-3/8" (splice sleeve O.D. range)
- 15" stroke (two revolutions of drive per inch of stroke)
- Ergonomically beneficial
- Includes carrying bag



SAT

## TAT/SAT Combination Splice/T-Body Tool

The TAT/SAT Combination Tool combines the features of the SAT Splice Assembly Tool and the 600TAT T-Body/Cable Adapter Tool.

### Features:

- Clamp fits 15kV through 35kV components (0.75" - 2.625")
- Splice gripping arms open 1-1/2" - 3-3/8" (splice sleeve O.D. range)
- 15" stroke (two revolutions of drive per inch of stroke)
- Ergonomically beneficial
- Includes carrying bag



TAT/SAT

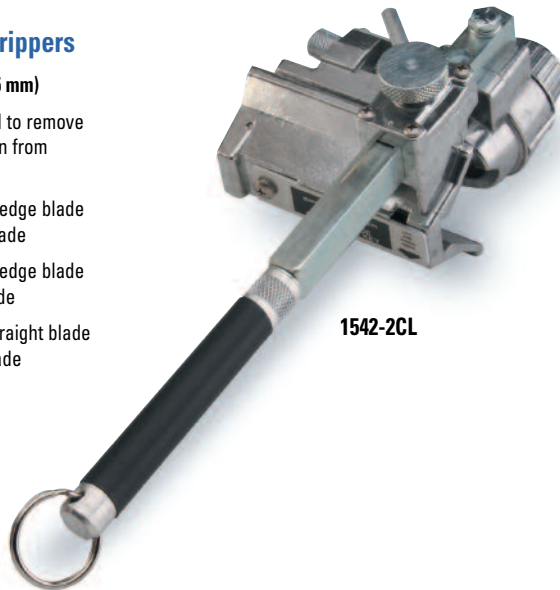


## 1542-2CL Series Insulation Strippers

**Cable O.D. Range 1/2" - 1-3/4" (12.7 - 44.5 mm)**

The 1542-2CL Series Stripper is designed to remove PE, XLP, EPR and other types of insulation from medium voltage power cable.

- 1542-2CL** Speed Stripper tool with wedge blade installed, spare straight blade
- 1542-2CL-1** Speed Stripper tool with wedge blade installed, spare wedge blade
- 1542-2CL-2** Speed Stripper tool with straight blade installed, spare straight blade



**1542-2CL**

### Features:

- Strips cable insulation
- Precise blade depth adjustment
- Maximizes reliability of installation
- Provides greater speed and increased safety
- No bushings required

KV Class	Conductor Size
5kV	1000 MCM and smaller
15kV	750 MCM and smaller
25kV	350 MCM and smaller
35kV	3/0 and smaller

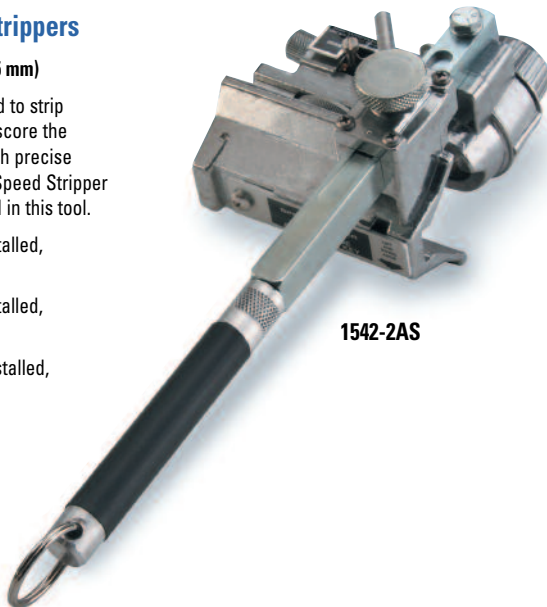
*For larger cables not shown, refer to Mark I, Mark II and Mark III tools*

## 1542-2AS Series Insulation Strippers

**Cable O.D. Range 1/2" - 1-3/4" (12.7 - 44.5 mm)**

The 1542-2AS Series Stripper is designed to strip insulation from power cable, as well as score the cable's semi-conductive outer shield with precise accuracy. The features of the 1542-2CL Speed Stripper and 1700 Semi-Con Scorer are combined in this tool.

- 1542-2AS** Tool with wedge blade installed, spare straight blade
- 1542-2AS-1** Tool with wedge blade installed, spare wedge blade
- 1542-2AS-2** Tool with straight blade installed, spare straight blade



**1542-2AS**

### Features:

- Strips cable insulation
- Precise blade depth adjustment
- Maximizes reliability of installation
- Provides greater speed and increased safety
- No bushings required
- Dual functions - strips cable insulation and scores semi-con
- Adjustable semi-con scoring .001" to .090"
- Combines features of 1542-2CL Speed Stripper and 1700 Semi-Con Scorer

KV Class	Conductor Size
5kV	1000 MCM and smaller
15kV	750 MCM and smaller
25kV	350 MCM and smaller
35kV	3/0 and smaller

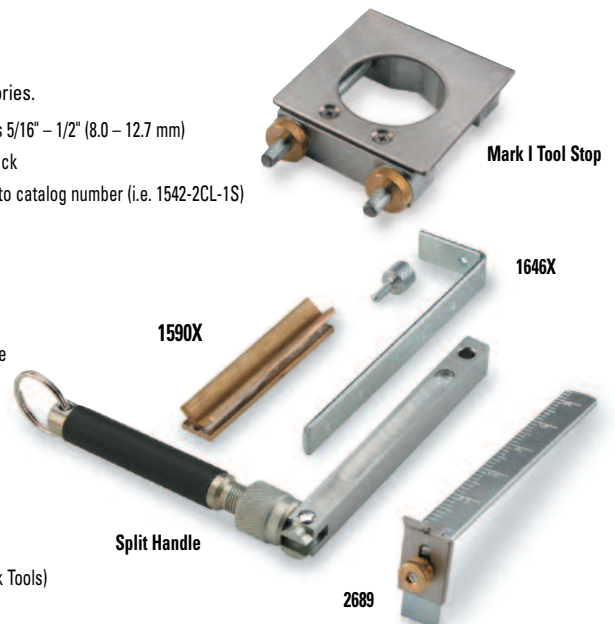
*For larger cables not shown, refer to Mark I, Mark II and Mark III tools*



## Insulation Stripper Accessories

Speed Systems offers a complete line of replacement blades, tool stops and accessories.

- 1590X** Small cable adapter for cables 5/16" - 1/2" (8.0 - 12.7 mm)
- 1646X** Scale gauge measures stripback
- Split Handle** Optional folding handle add S to catalog number (i.e. 1542-2CL-1S)
- 1562** Wedge blade
- 1581** Straight blade
- 1678** Scoring blade
- 2689** Chamfering tool/scale gauge
- 2672** Replacement chamfering blade
- 1650X** Tool stop (1542 series tools)
- Mark I Tool Stop** Tool stop
- Mark II Tool Stop** Tool stop
- A011** Wedge blade (Mark Tools)
- A012** Straight blade (Mark Tools)
- A010** Large blade (Mark Tools)
- A013** Semi-Con shaving blade (Mark Tools)

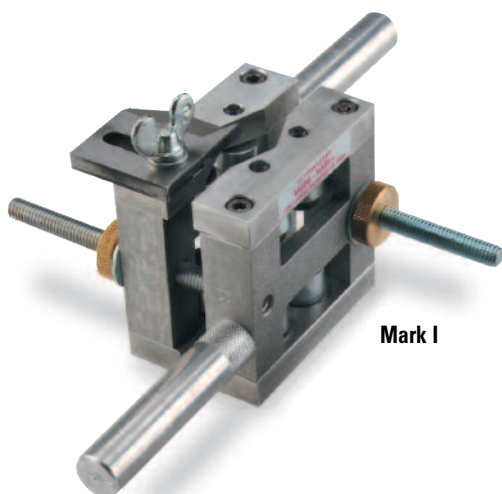


## Mark I Insulation Stripper

**Cable O.D. Range 3/4" - 2" (19.1 - 50.8 mm)**

The Mark I combines heavy-duty design with precision components. Heat-treated rollers are angle mounted for better cable feed and reduced drag on the cable surface as the tool is rotated. The adjustable side frames eliminate the need for sizing bushings or adapters, and are clamped to the cable with knurled thumb nuts. A Tool Stop accessory is available to ensure an accurate square cut every time (see page 2). For cables with the semi-con bonded to the insulation, the A013 blade is designed to shave off the semi-con layer.

**Mark I** With A011 wedge blade



**Mark I**

### Features:

- No bushings required
- Tool Stop Accessory for Square Cut (optional)
- Heavy duty construction for optimum durability
- Heat treated rollers for ease of spiraling and reduction of cable surface friction
- Provides greater prep speed and reliability
- Holds cable securely with clamps on both sides
- Automatically walks down cable when tool is rotated

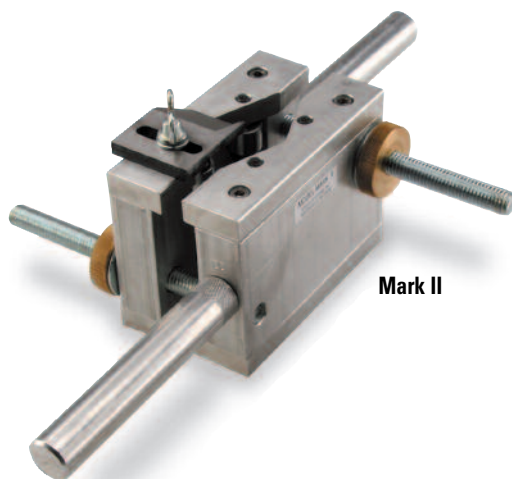
## Mark II Insulation Stripper

**Cable O.D. Range 1-3/4" - 3" (44.5 - 76.2 mm)**

The Mark II combines heavy-duty design with precision components. Heat-treated rollers are angle mounted for better cable feed and reduced drag on the cable surface as the tool is rotated. The adjustable side frames eliminate the need for sizing bushings or adapters, and are clamped to the cable with knurled thumb nuts. A Tool Stop accessory is available to ensure an accurate square cut every time (see page 2). For cables with the semi-con bonded to the insulation, the A013 blade is designed to shave off the semi-con layer.

**Mark II** With A011 wedge blade

**Mark II-10** With A010 blade for 69kV – 138kV cables



**Mark II**

### Features:

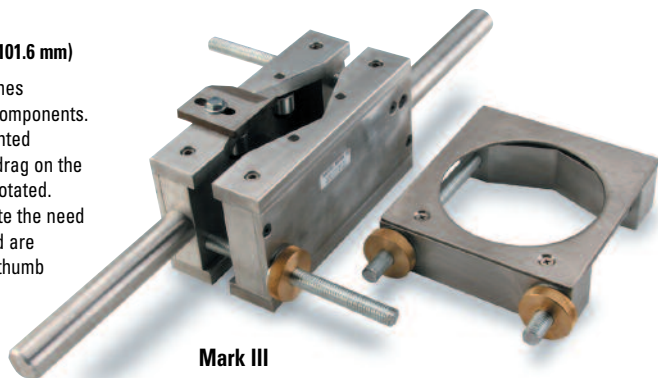
- No bushings required
- Tool Stop Accessory for Square Cut (optional)
- Heavy duty construction for optimum durability
- Heat treated rollers for ease of spiraling and reduction of cable surface friction
- Provides greater prep speed and reliability
- Holds cable securely with clamps on both sides
- Automatically walks down cable when tool is rotated

## Mark III

**Cable O.D. Range 2-3/4" - 4" (69.9 - 101.6 mm)**

The Mark III Speed Stripper combines heavy-duty design with precision components. Heat-treated rollers are angle mounted for better cable feed and reduced drag on the surface of the cable as the tool is rotated. The adjustable side frames eliminate the need for sizing bushings or adapters, and are clamped to the cable with knurled thumb nuts. A Tool Stop accessory is supplied to ensure an accurate square cut every time. When positioned on the cable, the stop provides a square cut on the final revolution of the tool. For cables with the semi-con bonded to the insulation, the A013 blade is designed to shave off the semi-con layer.

**Mark III** With A010 wedge blade



**Mark III**

### Features:

- No bushings required
- Heavy duty construction for optimum durability
- Heat treated rollers for ease of spiraling and reduction of cable surface friction
- Provides greater prep speed and reliability
- Holds cable securely with clamps on both sides
- Automatically walks down cable when tool is rotated
- Tool Stop Accessory for Square Cut Included

## 1700/1701 Series Semi-Con Scorers

**Cable O.D. 1/2" - 2" (12.7 - 50.8 mm)**

The 1700 Series Semi-Con Scorers have adjustable blade depth, while the 1701 has a fixed blade depth for scoring (scribing) the semi-conductive shield of medium voltage cable so the semi-con can be removed without nicking or damaging the cable insulation.

- 1700** Adjustable blade scorer with square cut/spiral cut
- 1700-SS** Adjustable blade scorer with square cut/spiral cut and dial locking set screw (shown)
- 1700-LC** Adjustable blade scorer with square cut/ spiral cut - saddle relief for close-in cut
- 1700-SS-LC** Adjustable blade scorer with square cut/spiral cut and dial locking set screw - saddle relief for close-in cut



**1700SS**

### Features:

- Adjustable blade depth (.001" - .100")
- Square and spiral cut
- Scores (scribes) semi-con without damage to insulation
- Leaf springs maintain constant pressure during operation

- 1701** Fixed blade scorer  
Specify depth from .010" - .095"
- 1678** Replacement scoring blade  
Fits all scoring tools

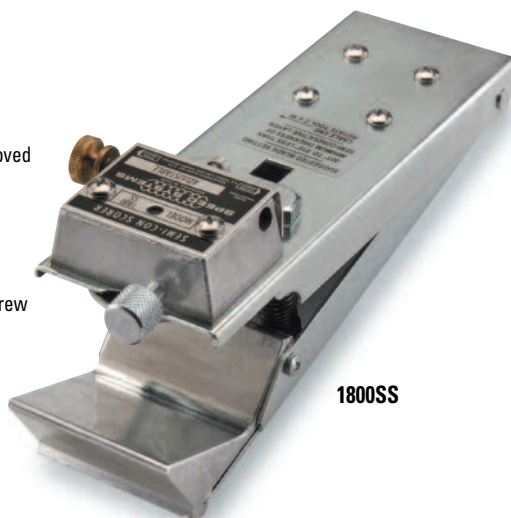


## 1800/1801 Series Semi-Con Scorers

**Cable O.D. 1-3/4" - 3" (44.5 - 76.2 mm)**

The 1800 Series Semi-Con Scorers have adjustable blade depth, while the 1801 has a fixed blade depth for scoring (scribing) the semi-conductive shield of medium voltage cable so the semi-con can be removed without nicking or damaging the cable insulation.

- 1800** Adjustable blade scorer with square/spiral cut
- 1800SS** Adjustable blade scorer with square/spiral cut - dial locking set screw
- 1800LC** Adjustable blade scorer with square/spiral cut - saddle relief for close-in cuts



**1800SS**

### Features:

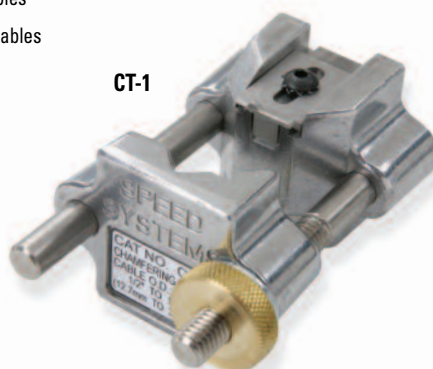
- Square and spiral cut
- Scores (scribes) semi-con without damage to insulation
- Adjustable blade depth (.001" - .100")
- Coil springs maintain constant pressure during operation

- 1801** Fixed blade scorer  
Specify depth from .010" - .095"
- 1678** Replacement scoring blade  
Fits all scoring tools

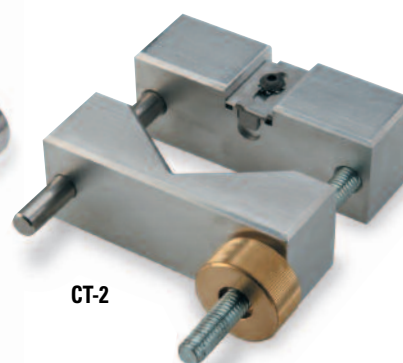
## CT-1/CT-2 Chamfering Tool

Chamfering Tools cut a 45 degree bevel on the cable insulation to ease installation of premolded rubber components.

- CT-1** Chamfering Tool for 1/2" - 1-3/8" cables
- CT-2** Chamfering Tool for 1-1/4" - 2-3/4" cables
- 2672** Replacement blade



**CT-1**



**CT-2**



## NW-15/NW-35 Neutral Winder

The Neutral Winder is designed to remove the outer jacket on underground power cable with embedded neutral wires. By inserting the end of the neutral wire through the cross-hole in the center of the tool, it is wound up as it is pulled through the jacket as the tool is rolled along the axis of the cable. This method of jacket removal helps prevent damage and/or breakage of the neutral wire. The Neutral Winder will not work on jacketed cable that has a Mylar plastic or tape layer between the neutral wire and the jacket. The tool includes a 3/8" drive in the hub.

**NW-15** Cable O.D. 1" - 2-1/2"

**NW-35** Cable O.D. 2-1/4" - 3-1/2"



### Features:

- Used to remove outer jacket by winding embedded neutral wire as tool is rolled along axis of cable
- Helps prevent damage or breakage of neutral wire
- 3/8" square drive in hub

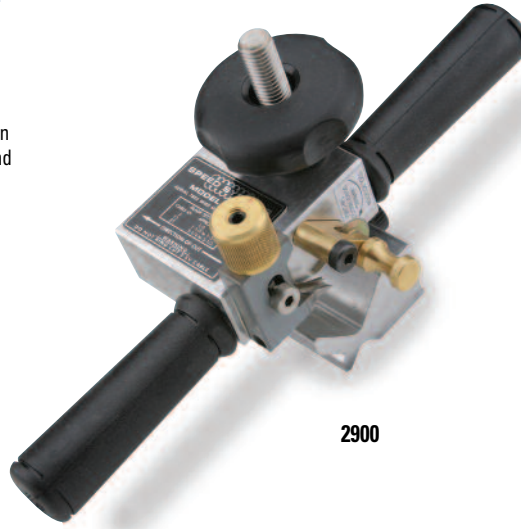
## 2900 Aerial Tree Wire and Spacer Cable Mid-Span Stripper

**Cable O.D. 0.40" - 1.66" (10.2 - 42.2 mm)**

The Model 2900 Aerial Tree Wire and Spacer Cable Stripper performs both end and mid-span strips on 5kV through 35kV Aerial Tree Wire and Spacer Cables.

**2900** Stripper with standard handles

**2900S** Stripper with short handles



### Features:

- No bushings required
- Adjustable blade depth for insulation up to 300 mils (35KV)
- Reversible positioning jaw
- Field-replaceable blade
- Unlimited strip length

**2872** Replacement blade

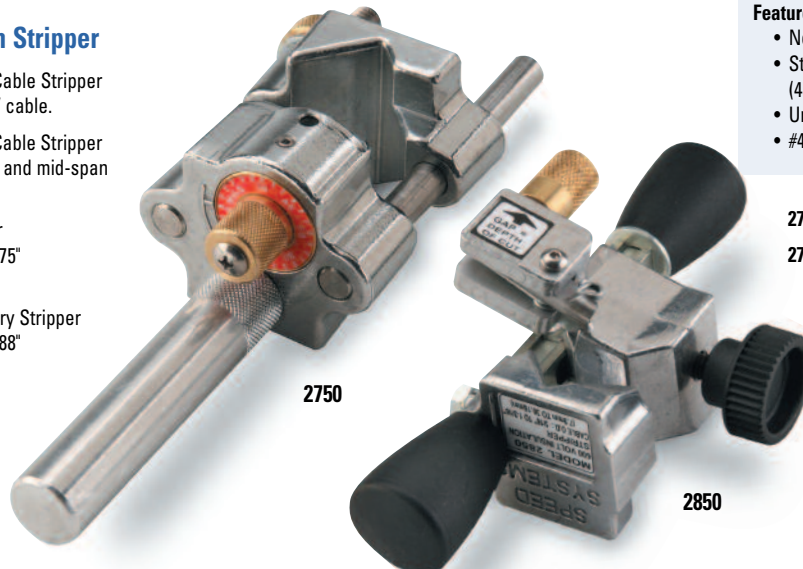
## 2750/2850 600V Secondary Insulation Stripper

The Model 2750 Secondary Cable Stripper is designed to end-strip 600V cable.

The Model 2850 Secondary Cable Stripper is designed to both end-strip and mid-span strip 600V cable.

**2750** Secondary Stripper  
Cable O.D. .31" - 1.375"  
(7.9-33.3 mm)

**2850** Mid-span Secondary Stripper  
Cable O.D. .31" - 1.188"  
(7.9-30.2 mm)



### Features:

- No bushings required
- Strips 600V insulation (45 mil to 110 mil thickness)
- Unlimited stripback length
- #4 thru 1000 MCM

**2781** Replacement blade for Model 2750

**2787** Replacement blade for Model 2850

## 200A Loadbreak Bushing Installation Tool (BIT/E180AT and BIT/E180AH)

The BIT/E180 Series Bushing Insert Tool provides preset torque for installation and removal of bushing inserts with a 5/16" internal hex socket. Available in both T-Handle (AT) and OP eye (AH) versions.

**BIT/E180AT** Bushing Insert Tool with 180 in-lb torque limiter and T-handle - 5/16" hex shaft

**BIT/E180AH** Bushing Insert Tool with 180 in-lb torque limiter and operating eye 5/16" hex shaft (same as Elastimold 200AT and Cooper LB 1)

BIT/E180AT

BIT/E180AH

### Features:

- Preset torque limiter takes guesswork out of bushing installation
- Can be used for bushing removal



## 600A LRTP Torquing Installation Tool (LRTP/TK240AT, LRTP/TK240AH and LRTP/TK55)

The LRTP Series Bushing Insert Tool provides preset torque for installation and removal of 600A load reducing tap plug bushings with a 5/16" and/or 3/8" internal hex socket.

**LRTP/TK240AT** Bushing Insert Tool for 600A LRTP with T-Handle and 240 in-lb torque limiter

**LRTP/TK240AH** Bushing Insert Tool for 600A LRTP with op eye and 240 in-lb torque limiter

**LRTP/TK55** Bushing Insert Tool for 600A LRTP with 55 ft-lb torque limiter and 1/2" drive

LRTP/TK240AT

LRTP/TK240AH

LRTP/TK55

### Features:

- Preset torque limiter takes guesswork out of bushing installation
- Can be used for bushing removal

## 600A LRTP/T-OP II Installation Tools without Torque Limiter

The TW516-13 and W516-13 provide a 5/16" hex shaft with or without T-Handle for installing the shear pin component in T-OP II installations.

The LRTP-12 Bushing Insert Tool provides for installation and removal of 600A reducing tap plug bushings with a 5/16" and/or 3/8" internal hex socket. The LRTP-12 requires a separate torque wrench.

**W516-13** Hex shaft for T-OP II Installation has 5/16" shaft with 3/8" drive

**TW516-13** T-Wrench for T-OP II Installation has 5/16" shaft with T-Handle

**LRTP-12** LRTP Shaft only with 1/2" drive

TW516-13

LRTP-12



## 200A Clamp-on Bushing Installation Tools

The Bushing Insert Tool is designed to provide operating personnel with an effective and reliable means of installing and removing of bushing inserts.

The FIT/TK120-X is designed to facilitate the installation of a feedthru bushing insert into a bushing well.

**BIT/TK120X-Q** Bushing Insert with 130 in-lb torque limiter (fits all loadbreak bushing inserts)

**BIT/TK120X-N** Bushing Insert Tool with 130 in-lb torque limiter (fits all deadbreak bushing inserts)

**FIT/TK120X** Feedthru Insert Tool with 120 in-lb torque limiter (fits all loadbreak feedthru inserts)

*The -N version is for use on non-loadbreak bushings only.*



BIT/TK120X-Q

### Features:

- Preset torque limiter takes guesswork out of bushing installation
- Can be used for bushing removal



## 15/25kV Probe Installation Tools

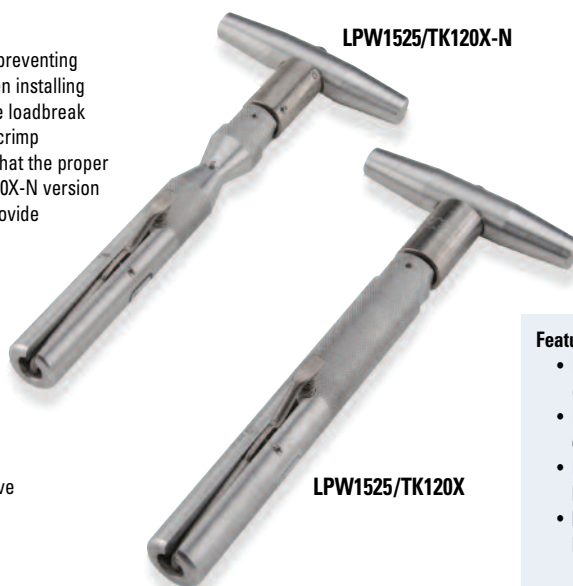
The LPW1525/TK120X is designed to provide a means of preventing probe arc follower contamination and other damage when installing 15kV, 25kV and Elastimold 35kV probes. The tool holds the loadbreak probe for positioning into the threaded eye of the elbow crimp connector. The 120 in-lb torque limiter clicks to indicate that the proper installation torque has been reached. The LPW1525/TK120X-N version adds a v-groove and cross hole in the wrench body to provide neutral winding capability for removing the outer jacket.

**LPW1525/TK120X-N** Loadbreak Probe Wrench with neutral winder and 120 in-lb torque limiter

**LPW1525/TK120X** Loadbreak Probe Wrench with 120 in-lb torque limiter

**LPW1525** Probe Wrench for use with 1/4" square drive (*not shown*)

**TK120** Torque Limiter with 1/4" square drive (*not shown*)



LPW1525/TK120X-N

LPW1525/TK120X

### Features:

- Prevents elbow probe arc follower contamination and breakage
- Preset torque limiter takes guesswork out of elbow probe/connector tightening
- Neutral Winder option reduces neutral wire breakage while removing cable jacket
- Fits all 15kV and 25kV elbows and Elastimold 35kV elbows

## 35kV Probe Installation Tools

The LPW35R/TK120X is designed to provide a means of preventing probe arc follower contamination and other damage when installing 35kV Cooper and Hubbell (Chardon) large interface 35kV probes. The tool holds the loadbreak probe for positioning into the threaded eye of the elbow crimp connector. The 120 in-lb torque limiter clicks to indicate that the proper installation torque has been reached. The LPW35R/TK120X-N version adds a v-groove and cross hole in the wrench body to provide neutral winding capability for removing the outer jacket.

**LPW35R/TK120X-N** Loadbreak Probe Wrench with neutral winder and 120 in-lb torque limiter

**LPW35R/TK120X** Loadbreak Probe Wrench with 120 in-lb torque limiter



LPW35R/TK120X-N

LPW35R/TK120X

### Features:

- Prevents elbow probe arc follower contamination and breakage
- Preset torque limiter takes guesswork out of elbow probe/connector tightening
- Neutral Winder option reduces neutral wire breakage while removing cable jacket
- Fits Cooper and Hubbell (Chardon) 35kV elbows

## 15/25kV Elbow and Cap Pulling Tool

The PT-1525 Elbow/Cap Pulling Tool is designed to assist in the removal of seized elbows and protective caps. The tool fits a standard shotgun stick. The PT-1525 fits all 15kV and 25kV elbows and caps.

**PT-1525** Elbow/Cap Pulling Tool



**PT-1525**  
Patent: 6,922,888 B2

### Features:

- Fits all 15kV, 25kV and Elastimold 35 kV elbows and caps
- For use in removing seized elbows and protective caps
- Lever action provides significant mechanical advantage
- Fits standard shotgun stick as an accessory
- Ergonomically friendly
- Includes high dielectric pulling rope and carrying bag

## 35kV Elbow and Cap Pulling Tools

The PT-35 Elbow/Cap Pulling Tool is designed to assist in the removal of seized elbows and protective caps. The tool fits a standard shotgun stick. The PT-35 fits Cooper (RTE) and Hubbell (Chardon) 35kV elbows and caps.

**PT-35** Elbow/Cap Pulling Tool (shown)

**PT-35RTX** Elbow and Cap Pulling Tool With Reversible Channel/Multi-Hole Adjustor Bar and Adapter Bridge for use on 600 Amp T-Body

**PT-35TX** Elbow and Cap Pulling Tool With Standard Channel/Multi-Hole Adjustor Bar and Adapter Bridge for use on 600 Amp T-Body



**PT-35**  
Patent: 6,922,888 B2

### Features:

- Fits Cooper (RTE) and Hubbell (Chardon) 35kV elbows and caps
- For use in removing seized elbows and protective caps
- Lever action provides significant mechanical advantage
- Fits standard shotgun stick as an accessory
- Ergonomically friendly
- Includes a high dielectric pulling rope and carrying bag

## Elbow Accessories

### ECT-2 Elbow Cleaning Tool

The Elbow Cleaning Tool is designed to enable cleaning the cavity of 15kV, 25kV and Elastimold 35kV class loadbreak elbows. Made of PVC, the tool has a tapered shaft that closely conforms to the cavity. The end of the tool has slots to hold a cleaning cloth.

### UTR Universal Test Rod

Allows testing of all Deadbreak and Loadbreak bushings.



**ECT-2**

**UTR**

### ECT-2 Features:

- Cleans elbow bushing cavity on all 15kV and 25kV elbows and Elastimold 35kV elbows
- Tool made of PVC - has slots for holding cleaning cloth

### UTR Features:

- Operating Eye for stick operation
- Disk for connecting test leads

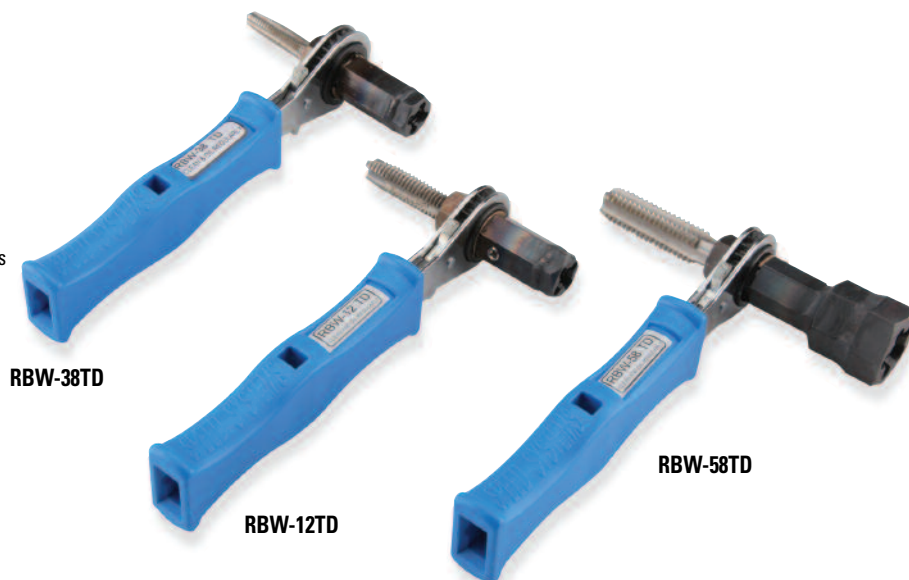
## Ratcheting Tap and Die Tools

The RBW Tap and Die Tools have a tap and die for chasing threads on connectors and probes.

**RBW-38TD** Ratcheting Tap and Die has 3/8-16 tap and die for chasing threads on loadbreak elbow probes and connectors

**RBW-12TD** RBW-12TD - Ratcheting Tap and Die has 1/2-13 bottoming tap and die for chasing threads

**RBW-58TD** Ratcheting Tap and Die has 5/8-11 bottoming tap and die for chasing threads on 600A connectors



### Features:

- Reversing ratchet
- Thick-walled plastic ergonomic handle

Patent: D492,556 S

## Penta/Hex Security Wrenches

### PHW-1

The PHW-1 has a Penta socket on one end and a 3/4" hex on the other. It is made of stainless steel with a captive folding cross-rod for leverage.

### PHS-1/PHS-2 Penta/Hex Combination Sockets

The PHS-1 and PHS-2 include a Penta and 3/4" hex socket combined into one socket with a common 3/8" (PHS-1) or 1/2" (PHS-2) center drive.

The tool is reversible when used with a socket extension.



### PHW-1 Features:

- Standard Penta socket on one end and a 3/4" hex on the other end
- Captive folding cross-rod
- Stainless Steel tube

### PHS-1 Features:

- Stainless Steel Penta socket welded to 3/4" hex socket
- 3/8" square drive in the center of the assembly
- When used on socket extension, socket can be reversed, using either end

### PHS-2 Features:

- Stainless Steel Penta socket welded to 3/4" hex socket
- 1/2" square drive in the center of the assembly
- When used on socket extension, socket can be reversed, using either end

## Penta Socket with Ergonomic Handle

Speed Systems offers both fixed and ratcheting Penta Wrenches for use on power transformers. Both the PW-2 (fixed wrench) and RBW-RP (ratcheting wrench) are attached to Speed Systems' ergonomic handle.

**PW-2** Fixed Penta Security Wrench

**RBW-RP** Ratcheting Penta Security Wrench

### Features:

- Thick-walled plastic ergonomic handle
- Patent: D492,556 S
- Standard Penta Socket





## Overhead Lineman's Wrench

**OHW** - Ratcheting Box Wrench for overhead hardware applications.

3/4", 1" and 1-1/8" square sockets on one end with two-sided 12 point 3/4" and 9/16" ratcheting box wrench on the other end.



OHW

### Features:

- 3/4", 1" and 1-1/8" square drive sockets on single head
- Open center for bolt to pass through
- Large reversing lever
- Padded handle
- 3/4" and 9/16" 12 point ratcheting box wrench on opposite end

## Knuckle Saver Overhead Lineman's Wrench

**OHW-D** - Ratcheting Box Wrench for overhead hardware applications.

3/4", 1" and 1-1/8" square knuckle saver sockets on one end with two-sided 12 point 3/4" and 9/16" ratcheting box wrench on the other end.



OHW-D

### Features:

- 3/4", 1" and 1-1/8" square drive sockets on single head
- Open center for bolt to pass through
- Large reversing lever
- Padded handle
- 3/4" and 9/16" 12 point ratcheting box wrench on opposite end

## Dogbone Style Ratcheting Box Wrenches with Ergonomic Handle

<b>RBW-51638</b>	5/16" x 3/8" box wrench
<b>RBW-38716</b>	3/8" x 7/16" box wrench
<b>RBW-3812</b>	3/8" x 1/2" box wrench
<b>RBW-38916</b>	3/8" x 9/16" box wrench
<b>RBW-12916</b>	1/2" x 9/16" box wrench
<b>RBW-1258</b>	1/2" x 5/8" box wrench
<b>RBW-1234</b>	1/2" x 3/4" box wrench
<b>RBW-91658</b>	9/16" x 5/8" box wrench
<b>RBW-91634</b>	9/16" x 3/4" box wrench
<b>RBW-5834</b>	5/8" x 3/4" box wrench
<b>RBW-581316</b>	5/8" x 13/16" box wrench
<b>RBW-11161316</b>	11/16" x 13/16" box wrench
<b>RBW-11161516</b>	11/16" x 15/16" box wrench
<b>RBW-3478</b>	3/4" x 7/8" box wrench
<b>RBW-341516</b>	3/4" x 15/16" box wrench

<b>RBW-131678</b>	13/16" x 7/8" box wrench
<b>RBW-13161516</b>	13/16" x 15/16" box wrench
<b>RBW-781516</b>	7/8" x 15/16" box wrench
<b>RBW-12916-O</b>	1/2" x 9/16" offset box wrench
<b>RBW-91634-O</b>	9/16" x 3/4" offset box wrench
<b>RBW-5834-O</b>	5/8" x 3/4" offset box wrench
<b>RBW-3478-O</b>	3/4" x 7/8" offset box wrench

### Features:

- Thick-walled plastic ergonomic handle with center isolation hole  
Patent: D492,556 S
- Some wrench sizes available in offset wrench style.
- Rated 1000V
- Contact the factory for styles and configurations not shown

RBW-12916

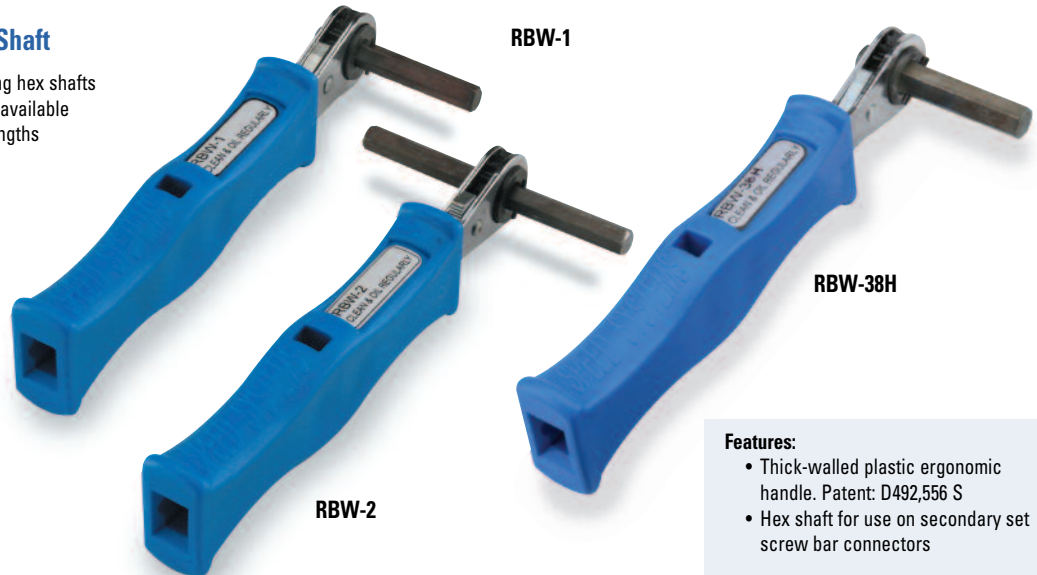


RBW-91634-O

## Ratcheting Box Wrench – Hex Shaft

Speed Systems RBW line includes ratcheting hex shafts for use on secondary connectors. They are available in either 5/16" or 3/8" hex stock in various lengths and configurations.

- RBW-1** 5/16" hex shaft extended 1-1/2" on one side  
Other shaft lengths available
- RBW-2** 5/16" hex shaft extended 1-1/2" on each side
- RBW-3** 5/16" hex shaft on one side, 3/8" hex shaft on the other side, both 1-1/2" long
- RBW-38H** 3/8" hex shaft extended 1-1/2" on one side  
Other shaft lengths available



### Features:

- Thick-walled plastic ergonomic handle. Patent: D492,556 S
- Hex shaft for use on secondary set screw bar connectors

## Ratcheting Box Wrench – Hex Shaft with fixed Penta

Speed Systems RBW-P line adds a fixed Penta socket to the end of our standard RBW hex wrenches for use on power transformers.

- RBW-1P** 5/16" hex shaft extended 1-1/2" on one side - Penta on handle  
Other shaft lengths available
- RBW-2P** 5/16" hex shaft extended 1-1/2" on each side - Penta on handle
- RBW-3P** 5/16" hex shaft on one side, 3/8" hex shaft on the other side, both 1-1/2" long - Penta on handle



### Features:

- Rated 1000V
- Thick-walled plastic ergonomic handle with center isolation hole  
Patent: D492,556 S
- Contact the factory for styles and configurations not shown

## Ratcheting Socket / Ratcheting Penta Wrenches

Speed Systems offers options with ratcheting Penta sockets and standard or deep sockets in various configurations on an ergonomical handle.

- RBW-34SRP** 3/4" socket with Penta socket (opposed)
- RBW-91634WE-S** 9/16" x 3/4" standard sockets (opposed) with handle loop
- RBW-91634WE-L** 9/16" x 3/4" long sockets (opposed) with handle loop

### Features:

- Thick-walled plastic ergonomic handle with center isolation hole  
Patent: D492,556 S
- Contact the factory for styles and configurations not shown



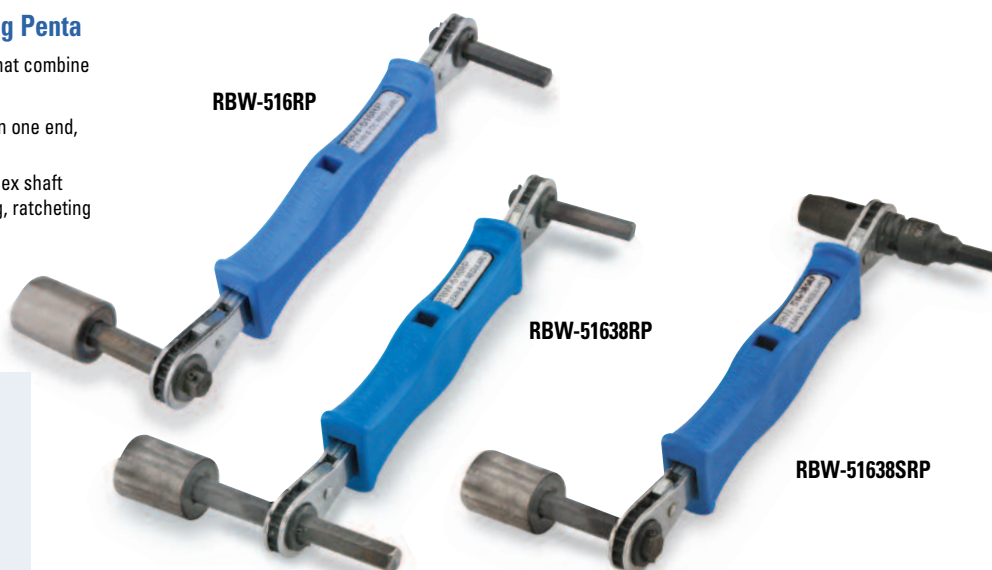
## Ratcheting Wrenches with Ratcheting Penta

Speed Systems provides multiple wrench options that combine ratcheting Penta sockets with hex shafts.

- RBW-516RP** 5/16" hex shaft extended 1-1/2" on one end, ratcheting Penta on other end
- RBW-51638RP** 5/16" hex shaft on one end, 3/8" hex shaft on the other end, both 1-1/2" long, ratcheting Penta opposite 3/8" hex shaft
- RBW51638SRP** 5/16" hex shaft and a 3/8" socket (opposed on one end) with ratcheting Penta on other end

### Features:

- Thick-walled plastic ergonomic handle with center isolation hole  
Patent: D492,556 S
- Rated 1000V
- Contact the factory for styles and configurations not shown



## RBW with Square Drive

The RBW line includes square drive with hex shaft options. Specify 3/8" or 1/2" drive and opposing hex bit or socket size.

- RBW-38SQ** Ratcheting 3/8" square drive with opposing hex bit or socket. Specify size and type
- RBW-12SQ** Ratcheting 1/2" square drive with opposing hex bit or socket. Specify size and type

### Features:

- Thick-walled plastic ergonomic handle  
Patent: D492,556 S
- Contact the factory for styles and configurations not shown



## RBW with Torque Limiter

The RBW is available with a torque limiter to provide an isolated Torquing hex bit or socket. Specify torque value and hex or socket size.

### Features:

- Thick-walled plastic ergonomic handle  
Patent: D492,556 S
- Fixed torque values 100 – 140 in-lb available
- Specify hex or socket size





## Build Your Own Wrench

Don't see what you need in our regular line? Speed Systems gives you the option of configuring a wrench with the components you want! Choose one or more of the component options shown below to customize your wrench.

Speed Systems' Ratcheting Box Wrenches are designed to provide end to end isolation for maximum safety. The RBW wrenches are built around a patented, ergonomically designed handle with a center "window" to verify the separation of the tool ends.

Note: Not all component options are compatible with all other options. Configurations that require custom welding or other services may require a minimum quantity purchase.



## IRTW – Isolated Ratcheting T-Wrench

The IRTW provides a 3/8" square drive on an isolated ratcheting T-handle (no torque value).

### Features:

- 3/8" square drive
- 1000V Isolation rating
- Ratcheting T-handle



IRTW

## Isolated Shaft Extensions

Isolated Shaft Extensions are designed for use with a socket wrench or torque wrench where total isolation is required between the socket and extension.

- ISE-375** 5/16" hex shaft with 3/8" drive for use on secondary set screw bar connectors (3-3/4" overall length, rated 1000V, 600 in-lb)
- ISE-4** 5/16" hex shaft with 3/8" drive for use on secondary set screw bar connectors (4-1/2" overall length, rated 1000V, 600 in-lb)
- ISE-WE** 5/16" hex shaft with 1/2" drive for use on secondary set screw bar connectors (5-1/2" overall length, rated 1000V, 600 in-lb)
- ISE-6** 3/8" extension and for use as an Isolated Socket Extension (6-1/2" overall length, rated 5kV, 600 in-lb)
- ISE-8** 1/2" extension for use as an Isolated Socket Extension (8" overall length, rated 5kV, 600 in-lb)
- ISE-14** 1/2" extension for use as an Isolated Socket Extension (14" overall length, rated 10kV, 600 in-lb)

\*Consult factory for other options



### Features:

- Thick-walled filament wound fiberglass shafts
- Total end-to-end separation gives electrical isolation

## Semi-Con Edge Wedge and Roller Grip

The SC-10 and SC-11 Semi-Con Edge Wedges are designed for lifting the front edge of the semi-con layer after it has been scored. The tools are supplied with a leather sheath.

The SC-13 Semi-Con Roller Grip is designed to provide controlled rolling of the semi-con layer that has been scored. This method of rolling helps reduce tearing of the semi-con as it is being removed.

### SC-10 Features:

- For lifting scored semi-con
- Comes with leather sheath

### SC-11 Features:

- Ergonomic safety grip
- Stainless steel blade
- Comes with a leather sheath

### SC-13 Features:

- Broad nose for rolling semi-con
- Serrated jaws for maximum grip
- Rugged plastic covered handles



SC-10

SC-11

SC-13

## Individual Tool Bags

Individual Tool Bags are sized to easily and efficiently carry one or more Speed Systems tools. All of the bags are manufactured of sturdy canvas and feature a sturdy, zipper closure.

- TB-9** Small Individual Tool Bag  
6" x 10" (15.2 x 25.4 cm)
- TB-10** Medium Individual Tool Bag  
7" x 14" (17.8 x 35.6 cm)
- TB-11** Large Individual Tool Bag  
14" x 16-1/2" (35.6 x 41.9 cm)
- TB-12** Extra Large Individual Tool Bag  
22" x 6" (55.8 x 15.2 cm)



## Tool Bags with interior pockets

Reinforced canvas bags with six internal pockets designed to hold tools and accessories required for cable preparation.

- CPK-14** Small Cable Prep Kit Canvas Bag  
14" x 9" x 7" (35.6 x 22.9 x 17.8 cm) (front)
- CPK-24** Large Cable Prep Kit Canvas Bag  
24" x 15" x 6" (61.0 x 38.1 x 15.2 cm) (back)

### Features:

- Has six internal pockets for tool storage



## Steel Tool Boxes

Tool Boxes constructed of 20 ga. Steel with a full-length piano hinge and oil-resistant pad to cushion the tools. The case has an internal divider to separate the 1542 Series Stripper and 1700 Series Semi-Con Scorer.

- CPK-12** Small Cable Prep Kit Steel Tool Case  
12" x 4.5" x 4" (30.5 x 11.4 x 10.2 cm) (front)
- CPK-18** Large Cable Prep Kit Steel Tool Case  
18" x 8.25" x 4" (45.7 x 21.0 x 10.2 cm) (back)

### Features:

- Internal divider to separate 1542 series stripper from 1700 series scorer
- Oil-resistant pad
- 20 ga. Steel
- Full-length piano hinge





## Cable Prep Kits

Speed Systems offers various kits that include some of the most common tool combinations.



CPK-1



CPK-2



CPK-3



CPK-4



CPK-5



CPK-6



CPK-7



CPK-8



CPK-9



CPK-10



CPK-11

## Cable Prep Kits with Multiple Tool Combinations Ordering Chart

CATALOG NUMBER	CPK-12 CASE	CPK-14 BAG	CPK-18 CASE	1542-2CL STRIPPER w/1646X GAUGE	1542-2AS STRIPPER w/1646X GAUGE	CT-1 CHAMFER TOOL	MARK I w/TOOL STOP	1700SS SCORER	LPW1525/TK120X-N COMB. TOOL	BIT/TK120X-Q BUSHING TOOL	SC-11 EDGE WEDGE	SC-13 ROLLER GRIP
CPK-1	X			X				X				
CPK-2	X			X				X			X	X
CPK-3	X				X						X	X
CPK-4		X		X		X		X	X		X	X
CPK-5		X		X				X	X	X	X	X
CPK-6		X					X	X			X	X
CPK-7		X					X	X	X	X	X	X
CPK-8			X	X				X	X			
CPK-9			X	X				X	X		X	X
CPK-10			X		X				X		X	X
CPK-11		CPK-24 BAG				CT-2	Mark II w/Tool Stop	1800SS			X	X

## Diameter Over Shielding and Conductor

Cond. Size	15kV - .175" (4.4mm)				15kV - .220" (5.6mm)				25kV - .260" (6.6mm)				35kV - .345" (8.8mm)			
	Con. Str.		Compact		Con. Str.		Compact		Con. Str.		Compact		Con. Str.		Compact	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
4	.720	18.3	.700	17.8	.810	20.6	.790	20.1	-	-	-	-	-	-	-	-
2	.780	19.8	.760	19.3	.870	22.1	.850	21.6	-	-	-	-	-	-	-	-
1	.820	20.8	.790	20.1	.910	23.1	.880	22.4	.990	25.1	.960	24.4	-	-	-	-
1/0	.865	22.0	.825	21.0	.955	24.3	.915	23.2	1.035	26.3	.995	25.3	1.245	31.6	1.205	30.6
2/0	.910	23.1	.865	22.0	1.000	25.4	.955	24.3	1.080	27.4	1.035	26.3	1.290	32.8	1.245	31.6
3/0	.960	24.4	.915	23.2	1.050	26.7	1.005	25.5	1.170	29.7	1.085	27.6	1.340	34.0	1.295	32.9
4/0	1.020	25.9	.965	24.5	1.110	28.2	1.055	26.8	1.230	31.2	1.175	29.8	1.400	35.6	1.345	34.2
250	1.075	27.3	1.020	25.9	1.205	30.6	1.110	28.2	1.295	32.9	1.240	31.5	1.470	37.3	1.415	35.9
350	1.220	31.0	1.155	29.3	1.310	33.3	1.245	31.6	1.400	35.6	1.335	33.9	1.575	40.0	1.510	38.4
500	1.335	34.4	1.275	32.4	1.445	36.7	1.365	34.7	1.535	39.0	1.455	37.0	1.750	45.5	1.630	41.4
600	1.445	36.7	1.365	34.7	1.535	39.0	1.445	37.0	1.625	41.3	1.545	39.2	1.840	46.7	1.760	44.7
750	1.550	39.4	1.460	37.1	1.640	41.7	1.550	39.4	1.770	45.0	1.640	41.7	1.945	49.4	1.855	47.1
1000	1.740	44.2	1.610	40.9	1.830	46.5	1.740	44.2	1.920	48.8	1.830	46.5	2.095	53.2	2.005	50.9

Quality Tools for Installing Power Cable Systems

# Speed Systems



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