



**TEREX®**



# Tools & Accessories Catalog 2019

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(844-837-3948)

[www.terex.com/utilities](http://www.terex.com/utilities)

# EVERYTHING STARTS WITH YOU



When it comes to utility equipment, our priorities are the same as yours. Safety, reliability and doing things the right way are at the top of that list. For more than 70 years, Terex has been listening and turning challenges into solutions that keep our customers up and working, day in and day out. We have a very proud history of not taking shortcuts or compromising our standards.

Some investments that seem like a great deal up front can cost a lot more in the long run. Not Terex® equipment. Every machine we deliver is designed, built and serviced to keep your total cost of ownership low — and your satisfaction high — for as long as you own it.

## Transmission and Distribution Grid Equipment

### Digger Derricks

Dig holes, hoist and set utility poles and lift other materials with our versatile digger derricks. As the first company to build a hydraulic digger derrick, we're continually working on ways to help our customers operate more efficiently. When a customer needs increased lift capacity, Terex offers an optional X-Boost system that boosts hydraulic power to increase load-handling and lifting capacity.



### Hi-Ranger Aerial Devices

Whether you're replacing an insulator, trimming trees or maintaining a large transmission line, we have the aerial device equipment you need in a multitude of configurations. These aerial devices have material handling capabilities, optional articulations, hydraulic lifts, and more.



### Overcenter Aerial Devices

Our overcenter aerial devices offer a variety of working heights to meet your needs. All overcenter aerial devices are insulated. Our aerial device lineup has you covered.

### Non-Overcenter Aerial Devices

Our Terex Hi-Ranger™ non-overcenter aerial devices come in with working heights up to 125 ft. mounted on a variety of chassis platforms. All of our non-overcenter aerals are insulated. The non-overcenter aerial device lineup has you covered in your job requirements.



### Telescopic Aerial Devices

Our telescopic aerial devices are available in a number of mounting configurations with numerous options. These aerial devices provide working heights of 43 ft. to 112 ft.



### Auger Drills

Using the right tool can make a big difference in your productivity and profits. Compact and powerful Terex auger drills offer a wide range of drill speeds and the highest drill torque per class - all with quick setup time to get your crew to work fast and remain productive throughout the day.

### Auger Tools

In addition, Terex offers a vast line of auger tools for hard rock, dirt and high-production drilling, as well as teeth, coring systems, pilots, bits, hubs, boring heads and shank plates.



### Custom Financing

Build the fleet you want with competitive financing rates, as well as special lease and purchase options from Terex Financial Services. It's a great way to have the equipment you need while managing your cash flow. Call 517-552-2420 for more information.

# YOUR **LIFECYCLE** SOLUTIONS



## Full **Service**, Any Brand

We are here to support you through the life of your equipment. Our full-service facilities repair, refurbish, inspect and install heavy equipment. Sure, we can help you maintain your Terex and Genie® machines — but we can also work on virtually any hydraulic, electric, hybrid and truck equipment. When you need expert service fast, you can count on our experienced, factory-trained service professionals. In the field or in our shops, we have the capabilities you demand.

## Parts, Tools & Accessories

Whatever Terex products you operate, from Aerial Devices, Digger Derricks or Auger Drills, we have the parts to provide the continuing, reliable performance and efficiency of your machine.

## Inspections & Maintenance Services

Terex Service Centers can handle any of your inspection or maintenance needs. We offer a Preventive Maintenance Program that covers all required services on your new utility equipment, customizable to your individual needs. Your local center or nationwide field service can support any utility equipment inspection, whether required by OSHA or your Terex user manual.

## Transfer Services

If you are looking to extend the useful life of your utility equipment, our locations also perform Rebuild or Rebuild + Chassis Transfers. Ask your location's Service Sales Manager for more details or a quote.

## Tech Support

Our first-class Service Network is available Monday-Friday to answer your questions and get you pointed in the right direction. Each member of the service department has years of experience with our products and access to all the available information on our units.

## Training

Terex Utilities offers a variety of training opportunities that can be customized to fit your needs. Whether it's service training, our annual Hands-On training event or other programs, we have you covered.

## Terex Services Branch Locations:

<b>AL - BIRMINGHAM</b>	<b>205-841-6411</b>	<b>OR - PORTLAND</b>	<b>503-620-0611</b>
<b>AR - N. LITTLE ROCK</b>	<b>501-945-6100</b>	<b>PA - LANCASTER</b>	<b>717-650-1044</b>
<b>AZ - PHOENIX</b>	<b>602-256-0162</b>	<b>SD - WATERTOWN</b>	<b>605-882-3004</b>
<b>CA - FONTANA</b>	<b>909-565-1234</b>	<b>TN - WHITE HOUSE</b>	<b>615-672-4911</b>
<b>CA - STOCKTON</b>	<b>209-242-7104</b>	<b>TX - FORT WORTH</b>	<b>817-698-8005</b>
<b>CO - DENVER</b>	<b>303-202-0304</b>	<b>TX - SAN ANTONIO</b>	<b>210-476-7777</b>
<b>IN - BOURBON</b>	<b>574-342-0086</b>	<b>VA - GLEN ALLEN</b>	<b>804-752-2811</b>
<b>MN - SHAKOPEE</b>	<b>952-445-1555</b>	<b>WA - SEATTLE</b>	<b>206-764-5025</b>
<b>NC - CHARLOTTE</b>	<b>704-654-3903</b>	<b>WI - WAUKESHA</b>	<b>262-547-8500</b>
<b>OH - MEDINA</b>	<b>330-722-6900</b>	<b>MOBILE SERVICE</b>	<b>844-837-3948</b>

# WE KNOW THE DRILL



## Auger Tooling

When your job demands high-quality results, Terex provides high-quality auger drilling solutions, hard-working equipment and dependable service across the nation for your auger drilling needs.

For over 60 years Terex has been bringing you innovative solutions for your auger tooling needs. Terex is one of a select few that designs and manufactures quality rock drills, dirt augers and auger tooling products serving the utility construction and foundation industries worldwide. We will continue to deliver and will not hesitate to find the right solution for you.

Whether your soil is wet or dry, sand or rock, Terex has the right tool for the job!

### Contact Terex to help you:

- Reduce your dig time
- Eliminate overheating issues
- Match the application with the correct tool
- Make your job easier and more productive

### Terex offers:

- Dirt, carbide, rock and bullet augers
- Core barrels
- Foundation auger tools
- Replacement teeth
- Tooth removal & installation tools
- 1 year warranty on augers and core barrels





# TABLE OF CONTENTS

## Climbing Equipment

Linemen Body Belts.....	7-8
Pole Fall Restriction Devices.....	9-10
Positioning Straps & Lanyards.....	11-12
Full Body Harnesses.....	13-14
Fall Arrest & Positioning Lanyards.....	15-16
PoleClimbers.....	17
Climber Pads & Straps.....	18

## Lighting

Portable Lights.....	19-20
Portable Lanterns.....	21
Remote Controlled Lights.....	22

## Liveline

Gloves-Low Voltage.....	23
Gloves-High Voltage.....	24
Glove Protectors.....	25
Glove Accessories.....	26
Sleeves.....	27
Sleeve Accessories.....	28
Overshoes.....	29-30
Blankets.....	31-32
Blanket Accessories.....	33-35
Hoods & Guards.....	36
Covers.....	37-38
Line Hose.....	39
Conductor Covers.....	40
Grounding & Jumper Cables.....	41
Ferrules.....	42
Grounding Clamps.....	43-55
URD Grounding Elbows.....	56
Insulated Jumper Clamps.....	57-58
Sticks; Universal, Switch, Disconnect.....	59-62
Sticks; Shotgun.....	63-64
Sticks; Telescopic Disconnect.....	65-67
Sticks; Measuring.....	68
Sticks; Lamp.....	69-70
Sticks; Holding.....	71
Sticks; Conductor Tensioning.....	71
Sticks; Clamp.....	72
Sticks; Rescue Hook.....	72
Links; Isolating & Spiral.....	73
Insulated Jumper Holders.....	74
Universal Stick Attachments.....	75-86
Stick Accessories.....	87-88
Stick Cleaning & Repair.....	89-90
Conductor Extension Arms.....	91
Conductor Support Arms.....	92

## Liveline (continued)

Temporary Cross Arms.....	93
Temporary Dead End Arms.....	94
Cutout Tool; Temporary & Bypass.....	95
Load Breaks.....	96
Load Break & Pick-Up Tools.....	97-98
Fuse Safe.....	98

## Manual Tools

Banding.....	99
Crimping .....	100-104
Crimping Dies.....	105-110
Cutting.....	111-115
Drivers.....	116-117
Hammers.....	118
Knives.....	119-121
Measuring.....	122
Bull Pins.....	123
Pliers.....	124-126
Saws.....	126
Scissors.....	127
Stapling.....	128
Stripping.....	129-134
Wrenches.....	135-143

## Pole Setting & Ground Equipment

Anchoring.....	144-145
Axes, Bush Hooks & Mattocks.....	146
Cant Hooks.....	147
Digging Bars.....	148
Soil Probes.....	148
Post Hole Diggers.....	149
Rakes.....	150
Shovels.....	150-151
Spoons.....	151
Tamps.....	152
Ground Rod Drivers.....	152
Sledge Hammers.....	152
Lifting Hook.....	153
Pole Cradles.....	153
Pike Poles.....	154
Pole Cant.....	154

## Personal Protection

Body.....	155 -160
Eye.....	161-166
First Aid.....	167-172
Foot.....	173-174
Hand.....	175-176
Head.....	177-180

# TABLE OF CONTENTS

## Power Equipment - Battery

Crimping.....	181-191
Cutting.....	192-198
Drill Kits.....	199 -200
Grinders.....	201-206
Saws.....	207-208
Batteries.....	207-208
Battery Chargers.....	208

## Power Equipment - Electric

Drill Presses.....	209-210
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## Power Equipment - Gasoline

Blowers.....	211-213
Drills.....	214
Saws.....	215-220
Cut-Off Saws.....	221-222
Trimmers.....	223-224

## Power Equipment - Hydraulic

Breakers & Drivers.....	225-227
Breakers & Driver Accessories.....	228-230
Crimping.....	231-238
Presses.....	239-240
Hydraulic Pumps.....	239-240
Hydraulic Intensifier.....	241-242
Submersible Pumps.....	243-244
Steel Punches.....	245-246
Pole Pullers.....	245-246
Long-Reach Saws.....	247-248
Circular Saws.....	248
Pruner.....	249-250
Utility Saws.....	250
Tamps.....	251-253
Wrenches & Drills.....	254-258
Impact Auger Bits.....	259
Impact Adapters & Extensions.....	260
Impact Sockets.....	263-264
Hose Sets & Fittings.....	265-266

## Rigging

Blocks.....	267-272
Grips.....	273-275
Cumalongs & Pulling Eye.....	276-278
Feed Tubes & Swivels.....	279
Hooks & Shackles.....	280
Binders.....	282

## Rigging (continued)

Transformer Gins.....	282
Hoists.....	283-287
Rope.....	287
Wire Handling.....	288
Instruments.....	289-290
Slings.....	291-295
Tongs.....	296

## Storage

Tool Aprons.....	297-300
Aerial Oval Buckets.....	301-302
Aerial Tool Holders.....	303-304
Aerial Chain Saw Scabbards.....	305
Aerial Pruner & Chain Saw Holders.....	306
Aerial Impact Wrench/Drill Holders.....	307
Fiberglass Stick Bags.....	308
Equipment Bags.....	309-311
Nut & Bolt Bags.....	312
Tool Buckets.....	313-316
Carriers & Holsters.....	317-318
Scabbards & Guards.....	319-324

## Test Instruments

Current & Voltage Meters.....	325-326
Current & Voltage Detectors.....	327-331
Ammeter.....	332
Voltage Break Detector.....	333
Sequence Indicator.....	334
Voltage Phasing Meters.....	335-340
Ground Resistance Testers.....	341
Hot Stick & Grounding Testers.....	342

## Traffic Safety

Signs.....	343-344
Flag & Cones.....	345

# LINEMEN BODY BELTS



BA-88B-D (Size)

**Bashlin No. 88 Floridian Linemen Belt** provides excellent support and climbing comfort which makes this belt an industry standard. Semi-floating S-shaped D-rings. Tape Sling, Knife Snap, Glove Bag Ring, and Hammer Loop. Available in sizes D18-D28.

BA-88B-D (Size) No.88B, Back Support Floridian, D18-D28



BU-2000M-BLK-D  
(Size)

**Buckingham 2000 Series Linemen Belt** is handcrafted from high quality leather to create a comfortable fit and long lasting support. Features a full float body design. Linemen's Belt meets or exceeds the ASTM standard 887-97 and applicable OSHA standards. Available in sizes D18-D28.

BU-2000M-BLK-D (Size) 2000 Series, Black, D18-D28



BU-1993F-D (Size)

**Buckingham 1993F Linemen Belt** features a full float body design with an 8" wide back pad. The waist strap is neoprene impregnated nylon. This lightweight design weighs only 4 lbs.. Ideal belt for climbing competition. Linemen's Belt meets or exceeds the ASTM standard 887-97 and applicable OSHA standards. Available in sizes D18-D28.

BU-1993F-D (Size) 1993F, D18-D28



ST-LBB1-D (Size)

**SafetyTest LBB1 Series Linemen Belt** features a full float body design and is constructed with a combination of high quality latigo and gunstock leather with a neoprene impregnated nylon waist belt. This economical belt is lightweight and durable. Standard with Tape Thong, Two-Way Knife Snap, Glove Bag Ring, and (4) Leather Tool Loops. Available in sizes D18-D28.

ST-LBB1-D (Size) LBB1, D18-D28



**Buckingham 2014M Linemen Belt** features 4 in line Dee Rings for attaching a second strap when crossing an obstacle on the pole. Full float body design with a 5" Dri-Lex® lined cushion pad designed to wick moisture away from the user. Superior comfort is provided by extra padding in the back support. This lightweight design weighs only 6 lbs.. Ideal belt for climbing competition. Linemen's Belt meets or exceeds the ASTM standard 887-97 and applicable OSHA standards. Available in sizes D18-D28.



**BU-2014M**

BU-2014M Buckingham, 2014M, D18-D29



**Buckingham 2019M Linemen Belt** features 2 large full float double bar lower Dee Rings and 2 small upper Dee Rings for attaching a second strap when crossing an obstacle on the pole. Full float body design with a 5" Dri-Lex® lined cushion pad and a large Dri-Lex® back support. Dri-Lex® designed to wick moisture away from the user. Superior comfort is provided by extra padding in the back support. This lightweight design weighs only 6.35 lbs. Ideal belt for climbing competition. Linemen's Belt meets or exceeds the ASTM standard 887-97 and applicable OSHA standards. Available in sizes D18-D28.



**BU-2019M**

BU-2019M Buckingham, 2019M, D18-D30

**Buckingham 2018M Linemen Belt** features 2 large full float double bar lower Dee Rings and 2 small upper Dee Rings for attaching a second strap when crossing an obstacle on the pole. Full float body design with a 5" Dri-Lex® lined cushion pad and a large Dri-Lex® back support with a removable man rated gut strap. Dri-Lex® designed to wick moisture away from the user. Superior comfort is provided by extra padding in the back support. This lightweight design weighs only 6.75 lbs. Linemen's Belt meets or exceeds the ASTM standard 887-97 and applicable OSHA standards. Available in sizes D18-D28.



**BU-2018M**

BU-2018M Buckingham, 2018M, D18-D31



**Buckingham 2100M Series Linemen Belt** features 4 in-line Dee Rings for attaching a second strap when crossing an obstacle on the pole. The full float body design has a supportive 9" back pad that is handcrafted from high quality leather. The backpad also has a foam cushioned pad and nylon center to create a comfortable fit with long lasting support. Linemen's Belt meets or exceeds the ASTM standard 887-97 and applicable OSHA standards. Available in sizes D18-D28.



**BU-2100M**

BU-2100M Buckingham, 2100M, D18-D32





# POLE FALL RESTRICTION DEVICES



BU-483D



**Buckingham Distribution and Transmission Bucksqueezes** are a Wood Pole Fall Restriction Device that provides Wood Pole Fall Protection during ascent and descent and, with the use of a secondary lanyard like the BuckAdjuster, protects the user while climbing over obstacles. Designed to grip the pole if the user starts to fall. For distribution poles with a circumference from 16" (5" diameter) to 50" (16" diameter) or transmission poles with a circumference up to 90" (28.7" diameter).

BU-483D Distribution Bucksqueeze; Poles up to 50" Circ.

BU-484T Transmission Bucksqueeze; Poles up to 90" Circ.



BU-488R

**Buckingham Distribution Supersqueeze Fall Protection System** grips the pole in the event of a slipping incident, securing the user and preventing a fall. Easy One Handed Outer Strap Adjustment with the New Buck WebGrab. Same Easy One Handed Adjustment on the Inner Strap with the BuckGrab. Can Easily Be Configured to Use A Rope or Web Strap. One Disconnect to Climb Over An Obstruction. Can be Used by Right or Left Handed Users. 36" Distribution Outer Strap, 70" Rope Inner Strap with Carabiners. For Use in Climbing Up to a Class 1 65' Pole/50" Circumference. Meets ASTM F887-11. All Straps Have Red Warning Center. Rated to 350 lbs.

BU-488R Distribution Rope Supersqueeze



BU-488W2

**Buckingham Distribution Supersqueeze Fall Protection System** grips the pole in the event of a slipping incident, securing the user and preventing a fall. Easy One Handed Outer and Inner Strap Adjustment with the New Buck WebGrab. Same Adjustability as the Rope BuckGrab but on Web. Can Easily Be Configured to Use A Rope or Web Strap. One Disconnect to Climb Over An Obstruction. Can be Used by Right or Left Handed Users. Lightweight Design. 36" Distribution Outer Strap, 70" Rope Inner Strap with Carabiners. For Use in Climbing Up to a Class 1 65' Pole/50" Circumference. Meets ASTM F887-11. All Straps Have Red Warning Center. Rated to 350 lbs.

BU-488W2 Distribution Web Supersqueeze



BU-488TW2

**Buckingham Transmission Supersqueeze Fall Protection System** grips the pole in the event of a slipping incident, securing the user and preventing a fall. Easy One Handed Outer and Inner Strap Adjustment with the New Buck WebGrab. Same Adjustability as the Rope BuckGrab but on Web. Can Easily Be Configured to Use A Rope or Web Strap. One Disconnect to Climb Over An Obstruction. Can be Used by Right or Left Handed Users. Lightweight Design. 52" Transmission Outer Strap, 78" Woven Inner Strap with Carabiners. For Use in Climbing Up to a Class H6 125' Pole/90" Circumference. Meets ASTM F887-11. All Straps Have Red Warning Center. Rated to 350 lbs.

BU-488TW2 Transmission Web Supersqueeze





# POLE FALL RESTRICTION DEVICES

**Klein PoleMaster Wood Pole Fall Restriction Device** features abrasion resistant inner strap material for durability, includes a red wear indicator. Outer strap constructed of Klein-Kord material - a proven material for years with linemen. Wood Pole diameter range from 8" (203 mm) to 16" (406 mm). Cam bracket system for easy adjustments. Vinyl Storage Bag includes a zippered pocket for instruction manual and DVD. The Wood Pole Fall Restrict Device (WPFRD) has been designed to meet CSA Z259.14-01 standard as a Type A Fall Restrict Device. Do NOT use on icy poles. Also meets or exceeds ANSI Z359.3, ASTM F887; OSHA 1910, 1926. Connecting hardware conforms to ASTM F887, ANSI Z359.12 and CSA Z259.12, Class I requirements. Vinyl Storage Bag includes a zippered pocket for instruction manual and DVD. Made in the U.S.A.



**KL-FPD-5295**

KL-FPD-5295 PoleMaster; Distribution



**JELCO Pole Choker 5 Wood Pole Climbing Fall Arrest Systems** have a 1-3/4 inch wide yellow nylon strap that squeezes the pole, the roller's teeth dig in to provide the gripping force required to prevent falling down the pole. The difference between the Pole Choker 3 and the Pole Choker 5 is the PC5 Snaphook has loops. Size: 5.25 ft.



**JE-03725**

JE-03725 Pole Choker 5; Distribution, 5.25 ft

**DBI Sala Cynch-Lok™ Fall Restricting Pole Strap** for Distribution Poles gets you there faster & safer. Climbing wood poles is one of the most difficult applications in the realm of fall protection. Cynch-Lok™ features almost effortless adjustment. It allows you to easily hitch-hike poles (reposition, move or jump the strap upwards) with a hand position that's comfortable. It also moves past obstacles without difficulty. Exterior straps can be changed depending on the type and size of pole you're climbing. Interchangeability eliminates the need to purchase multiple devices and adds to Cynch-Lok™'s longevity by allowing you to replace components. Cynch-Lok™'s unique design "cynches" around a pole in the event of a cut-out or fall. When used correctly, it limits fall distances in accordance with CSA standards. As the global leader in fall protection, it's our goal to provide you with gear that's lightweight, easy to use and built for your demands.



**PE-1204057**

PE-1204057 Cynch-Lok™; Distribution

**Bashlin Pole Lariat Wood Pole Fall Resistant Device** allows the lineman to climb a pole in the classic sense. The Pole Rope has a red wear indicator for easy inspection. It measures 8 feet long and connects to the line belt with D-Loops.



**BA-77BCS**

BA-77BCS Pole Lariat; Distribution



# POSITIONING STRAPS & LANYARDS



**Buckingham Woven Nylon Positioning Strap** with Friction Buckle & Carabiner. Available in 6', 6'-6", 7' and 8' Lengths.



**BU-48129Y-6**

- BU-48129Y-6 Woven Nylon Positioning Strap, 6'
- BU-48129Y-66 Woven Nylon Positioning Strap, 6'6"
- BU-48129Y-7 Woven Nylon Positioning Strap, 7'
- BU-48129Y-8 Woven Nylon Positioning Strap, 8'



**JELCO Rope Safety Lanyard** for with wood pole fall restricting system. The 16 strand lanyard is made of durable Yale XTC style rope with a red core for easy inspection. A 2 foot PVC protective cover is standard. This style lanyard has been used for years in the arborist industry, and has history to back it up. Will allow you to pass several obstructions with ease and minimal opportunities to have to safety back in. Able to coil up and store in a ditty bag when not in use, or hang from a breakaway hook on your belt. Features double-locking snap hook on one end that has a 3600 lb gate with an easy to use off-set friction adjuster with an aluminum carabiner. Standard Length is 8'.



**JE-13081**

**JE-13081 Rope Safety Lanyard,**

**Buckingham Buck-A-Juster 8'** rope lanyard with the BuckGrab 5004B LAD (Length Adjusting Device) with a 90 degree twist in the eye of the CAM. Gives the user the ability to easily adjust the length of the lanyard with one hand. Lanyard is stitched 1/2" rope with a green and white jacket and red core. Comes standard with 8' lanyard, other length lanyards available upon request.



**BU-9-8**

**BU-9-8 Buck-A-Juster, 8'**



**Buckingham 8' Retractable Lanyard** with nut and bolt swivel and a 5005L1 carabiner with a quick link on the frame end and a lock snap on the retractable end.



**BU-5008-83EL**

**BU-5008-83EL Retractable Lanyard, 8'**



**Bashlin Leather Pole Strap** is constructed with pliable Latigo leather and has a nylon insert for added strength. The stitching is deeply embedded in the leather for longer wear. The HL snap was developed with input from line workers and has smooth operating double locking action.

BA-78X-2HL Leather, 5' 6"  
 BA-78A-2HL Leather, 6'  
 BA-78B-2HL Leather, 6' 6"  
 BA-78C-2HL Leather, 7'



**BA-78X-2HL**

**Buckingham Leather Pole Strap** is constructed of leather reinforced with nylon and uses slide buckle to adjust strap. The large 99E Locking Snap operates easily while wearing rubber gloves and protectors.

BU-364299E Leather, 5' 8"  
 BU-366099E Leather, 6'  
 BU-366699E Leather, 6' 6"  
 BU-367099E Leather, 7'



**BU-364299E**

**SafetyTest Nylon Pole Straps** are constructed from a special 6-ply neoprene impregnated nylon. The nylon has an excellent abrasion resistance, with a red center wear indicator to alert user to replace. The large locking snap hooks operate easily while wearing rubber gloves and protectors.

ST-NPPS-5 Neoprene Nylon, 5'  
 ST-NPPS-5.6 Neoprene Nylon, 5' 6"  
 ST-NPPS-6 Neoprene Nylon, 6'  
 ST-NPPS-6.6 Neoprene Nylon, 6' 6"  
 ST-NPPS-7 Neoprene Nylon, 7'



**ST-NPPS-5**

# FULL BODY HARNESSES



**Buckingham "H" Economical Style Full Body Harness** featuring a web dorsal loop attachment. Hook and loop chest strap that meets ANSI Z359.1 requirements. Interlocking leg strap buckles with leather chafes. Standard friction buckle for height adjustment. Made from Type 13 nylon webbing with orange upper and black lower sections. Universal Sizing. Meets ASTM F887 Electric Arc Performance Requirements.

BU-U63937000 Economical "H" Style Full Body Harness, Univ.



front

BU-U63937000



back



front

PE-1107807



back

**DBI Sala Delta Vest Style Full Body Harness** with No Tangle Design, Nylon Rear Ring and Tongue Buckle Leg Straps. Exclusive no-tangle design. Parachute buckles on lower shoulder straps for quick and easy adjustment. Adjustable non-slip chest strap with pass thru buckle. Tongue buckle leg straps. Polyester webbing construction for added durability. Plated hardware for corrosion resistance. Available in X-Small, Small, Medium, Large and X-Large. Also available with optional Delta Comfort Pad (9501207) for wrap-around comfort, Velcro attachment.

PE-1107817 Vest Style Full Body Harness, XS  
PE-1107806 Vest Style Full Body Harness, S  
PE-1107807 Vest Style Full Body Harness, M  
PE-1107800 Vest Style Full Body Harness, L  
PE-1107803 Vest Style Full Body Harness, XL



**Buckingham Premium "H" Style Full Body Harness** that features a web dorsal loop attachment. A Kevlar mesh shell that is designed to breathe. FR foam padded shoulder and leg pads that add overall comfort. Hook and loop chest strap that meets ANSI Z359.1 requirements. Patented split tongue quick connect buckles with leather chafes on leg straps. Spring loaded friction buckles for height adjustment. Made from Type 13 nylon webbing with silver upper and black lower sections. Meets ASTM F887 and all applicable ANSI standards.

- Meets ASTM F887 Electric Arc Performance Requirements.

### BU-637G8C700K1 Premium "H" Style Full Body Harness



front

**BU-637G8C700K1**



back

**Buckingham Summit Lite "H" Style Full Body Harness** features a Dri-lex® shell that fits like a vest, Dri-lex® shoulder and leg pads to add to overall comfort and wick moisture away from the user, patent pending quick connect buckles on the chest and leg straps, steel dee dorsal attachment, spring loaded friction buckles for height adjustment, frontal chest dee ring that adjusts up and down independently of the shoulder straps allowing the user to correctly position when using a ladder climb system, and PVC shoulder loops to stow lanyard hardware when not in use. Harness is made from Type 13 nylon webbing with silver upper and black lower sections. Body belt features specially designed aluminum work positioning dee rings to ease the attachment of a positioning strap by restricting dee ring swing, leather tool loops and an accessory snap and ring for tool storage, grommet tongue buckle to fasten the waist belt, and a 5" (12.7cm) wide belt with thick padding and built in stiffener for maximum comfort. The modular suspension system can be entirely removed if desired and includes a rigid batten seat with padding for maximum comfort (batten can be removed for those preferring a soft seat) and elastic retainers with snap fasteners on seat section to stow suspension dee rings out of the way when climbing.

### BU-61995 Summit Lite "H" Style Full Body Harness



front



back

**BU-61995**



## POSITIONING LANYARDS



**SafetyTest Rope Lanyards** are constructed of 1/2" three strand rope with double locking snap hooks on each end. Available in 3', 4', 5' and 6' fixed lengths.

ST-3911-3S Rope Lanyard; 3'  
ST-3911-4S Rope Lanyard; 4'  
ST-3911-5S Rope Lanyard; 5'  
ST-3911-6S Rope Lanyard; 6'



**ST-3911-4S**

**SafetyTest**

**SafetyTest Deceleration Rope Lanyards** are constructed of 1/2" three strand rope with double locking snap hooks on each end. The deceleration lanyards are made with overlapped nylon webbing, heavily cross stitched together with nylon thread and sewn into a protective jacket. The deceleration device helps reduce the "G" force of a sudden stop. Available in 4'.5", 5' and 6' overall lengths.

ST-1150-4.5S Deceleration Rope Lanyard; 4'.5"  
ST-1150-5S Deceleration Rope Lanyard; 5'  
ST-1150-6S Deceleration Rope Lanyard; 6'



**ST-1150-4.5S**

**SafetyTest**

**SafetyTest Adjustable Rope Lanyard** is constructed of 1/2" three strand rope with double locking snap hooks on each end. Lanyard has a 6' overall length and can be adjustable to shorter working lengths.

ST-3912-S Adjustable Rope Lanyard; 6'



**ST-3912-S**

**SafetyTest**

**Buckingham Buckyard Lanyard** is designed for full body harness with web loop dorsal attachment. Expands to 42". Locking snap hook on one end and web loop on the other end. Interior materials stretch to reduce the arresting force to less than 900 lbs. Length-6ft.

BU-84L116 Buckyard Lanyard; 6'



**BU-84L116**



**Buckingham Buckyard Stretch Lanyard** reduces shock in the event of a fall with the addition of an elastic bungee. This reduces the size of a 6' lanyard to about 44" greatly reducing the chance of tripping over it. For full body harness w/web loop dorsal attachment. 1706 locking snap hook on one end and web loop on the other end. Length-6ft.

BU-84V716 Buckyard Stretch; 6'



**BU-84V716**



**DBI Sala ShockWave2 Shock Absorbing Lanyard** with Snap Hook on one End, Web Loop on the other.

PE-1244310 ShockWave2; 6'

**PE-1244310**

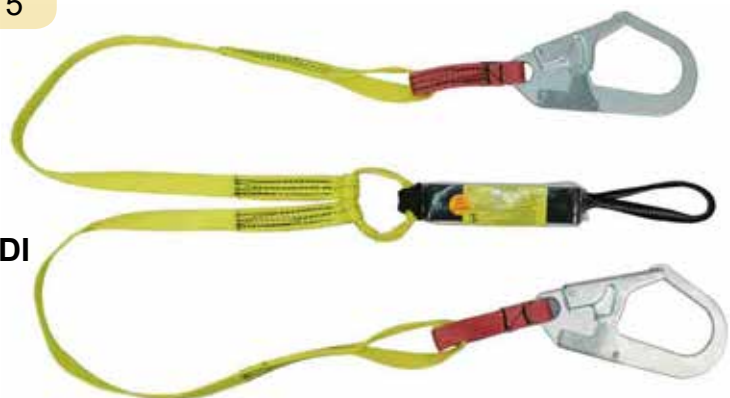


**Buckingham Buckstop Dual Lanyard** combines the best of multiple common lanyards into one. Lanyard features a 5' dual tie-back lanyard with wear guard and rescue loops and 12 foot fall ANSI rated shock absorber. Two ANSI rated Big BuckSnaps are also included to make this lanyard even more versatile. Rescue loops aid in quick, easy rescue without putting another person in danger.

BU-546116RDI Buckstop Dual Lanyard; 5'



**BU-546116RDI**



## POLE CLIMBERS



BA-BD14-1N

**Bashlin BD14 Series Pole Climbers** are crafted from aluminum alloy and have an off-set design and replaceable steel gaff. The lightweight climber reduces fatigue and adds climbing comfort. 30% lighter than steel design. The off-set design places the gaff in the proper place for easier positioning. Pole climbers include #2 gaff guard and #5 gaff gauge standard.

BA-BD14-1N w/ Nylon Bottom Straps  
 BA-14 Pole Climber Gaffs, 1-5/8"  
 BA-14P Pole Climber Gaffs, Polished, 1-5/8"  
 BA-27 Gaff Shaping Kit, Bashlin



BU-SB91089A

**Buckingham 910 & 940 Series Pole Climbers** are crafted from draw forged steel with an off-set design and replaceable steel gaff (BU-9206), or C.C.A. steel gaff (BU-9106). The off-set design places the gaff in the proper place for easier positioning. The C.C.A. steel gaff is designed to penetrate hardened salt treated poles.

BU-SB91089A C.C.A. Gaff w/ Nylon Bottom Straps  
 BU-9106 Pole Climber Gaffs, C.C.A., 2-1/3"  
 BU-9206 Pole Climber Gaffs, 1-3/4"  
 BU-6025 Gaff Shaping Kit, Pole



ST-LGGV

**SafetyTest Climber Gaff Guards** are manufactured from top grain leather sewn together with Kevlar blended nylon for long lasting use in the field. Gaff guards are available for tree and pole gaffs as well as with velcro or chrome snap stays.

ST-LPGGS Pole Climber, w/Snap  
 ST-LTGGGS Tree Climber, w/Snap  
 ST-LGGV Pole/Tree Climber, Velcro



ES-1261

**Estex Climber Gaff Guards** are available for pole/tree climbers and have velcro closers for easy on and off.

ES-1260 Fits Bashlin Climbers  
 ES-1261 Fits Buckingham & Klein Climbers

**Buckingham Velcro Cushion Wrap Climber Pads** keep climbers stationary with infinite adjustment allowing easy-on access and comfort. Fits most manufacturer's climbers.

- BU-3500 Velcro Cushion Wrap, 4"
- BU-3502C Velcro Cushion Wrap w/ Metal Insert & Cinch, 4"
- BU-3502CKL Metal Insert & Cinch, Klein Compatible', 4"



**BU-3502C**

**SafetyTest CTP Cushioned Climber Pads** are "T" shaped designed with an inserted pocket for strap and shank. The "T" shaped design wraps around the leg providing additional protection for the shin and calf. The shank and strap pocket allow the shank and strap to fit securely inside the pad, reducing movement and added comfort. This pad is constructed with a combination of high quality gunstock and natural leather with extra foam backed padding for superior comfort.

ST-CTP SafetyTest Cushioned "T" Inserted



**ST-CTP**



**SafetyTest LP-1 Climber Pads** are "L" shaped designed with standard loop strap and shank secures. This pad is constructed with a combination of high quality gunstock and natural leather with light padding for added comfort.



**ST-LP-1**

ST-LP-1 SafetyTest "L", Loops

**SafetyTest's LP-2 Climber Pads** are "L" shaped designed with an inserted shank pocket and strap loops. The shank pocket allows the shank to fit securely inside the pad, reducing movement and adding comfort. This pad is constructed with a combination of high quality gunstock and natural leather with light padding for added comfort.



**ST-LP-2**

ST-LP-2 SafetyTest "L", Inserted



**SafetyTest Climber Straps** are manufactured with neoprene impregnated nylon which provide superior resistance to wear. These straps are durable, pliable, and comfortable. Straps are double riveted and feature a leather protective buckle shield.

- ST-24NUS Nylon Upper Straps, 1-1/16" X 24"
- ST-28NUS Nylon Upper Straps, 1-1/16" X 28"



**ST-24NUS**





# PORTABLE LIGHTS



**Streamlight MicroStream®** fits in the palm of your hand, but doesn't compromise on power. Put this light in your pocket or clip it to the brim of your hat and have light wherever you go. C4® LED delivers 35 lumens; 360 candela; runs 2.25 hours. Type II MIL-SPEC abrasion and corrosion-resistant anodized aircraft aluminum construction with unbreakable, scratch-resistant polycarbonate lens. Includes one "AAA" alkaline battery and high-strength "break away" safety lanyard. Push button tail switch – momentary or constant on operation. IPX4 water-resistant. L x D: 3.5" x .6" (90 x 15 mm). 1.04 oz (29.7 g). Matte Black.



SE-66318

SE-66318 MicroStream®, Matte Black



**Streamlight Stylus Pro®** sleek pen light that conveniently fits in your pocket. Ideal for anyone that needs a compact, durable light to carry on a daily basis. White C4® LED delivers 65 lumens; 690 candela; runs 6.5 hours. Type II MIL-SPEC abrasion and corrosion-resistant anodized aircraft aluminum construction with unbreakable, scratch-resistant polycarbonate lens. Includes two "AAA" alkaline batteries and tear-resistant nylon holster. Push button tail switch – momentary or constant on operation. IPX4 water-resistant. L x D: 5.3" x .6" (134 x 15 mm). 1.64 oz (46.9 g). Matte Black.



SE-66118

SE-66118 StylusPro®, Matte Black



**Streamlight Septor® Headlamp** designed those that often perform tasks at an arm's length or "up close" work where seeing details is important. Features 7 white 5mm LEDs with three lighting modes: 7 LEDs for a soft flood light for tasks at arm's length: 120 lumens, 900 candela peak beam intensity, 3.5 hour run time. 3 LEDs for light without the glare and longer run times: 45 lumens, 375 candela peak beam intensity, 10 hour run time. 1 LED for extended run times and when a less intense beam is ideal: 13 lumens, 100 candela peak beam intensity, 55 hour run time. 3 "AAA" alkaline batteries (included). Low-level battery indicator. Push-button switch is easy to use when wearing gloves. 90° tilting head features. IPX4 rated for water resistance. Includes elastic head strap and rubber hard hat strap. 5.5 oz. (156 g).



SE-61052

SE-61052 Septor®





**Streamlight Stinger® All Purpose Flashlight** is designed for the broadest range of lighting needs at the best value. Multi-function On/Off push-button switch lets you choose three lighting modes and strobe; designed for extremely long life; tested at 1 million actuations. Three modes and strobe:

- High for a bright super-bright beam - 350 lumens; 24,000 candela peak beam intensity; 310 meter beam distance; runs 2 hours
- Medium for bright light and longer run times – 175 lumens; 12,000 candela peak beam intensity; 219 meter beam distance; runs 3.75 hours
- Low for light without glare and extended run times – 85 lumens; 6,000 candela peak beam intensity; 155 meter beam distance; runs 7.25 hours
- Strobe for disorienting or signaling your location; runs 5.5 hours

Deep-dish parabolic reflector produces a concentrated beam with optimum peripheral illumination C4® LED technology, impervious to shock with a 50,000 hour lifetime. Regulated run time provides consistent performance throughout battery life. 3-cell, 3.6 Volt Ni-MH sub-C battery, rechargeable up to 1000 times. 10 hr. steady charge, 2.5 hr. fast charge, or PiggyBack charger options. Machined aircraft aluminum body with non-slip rubberized comfort grip IPX4 water-resistant; 1 meter impact resistance tested Unbreakable polycarbonate lens with scratch-resistant coating. Includes anti-roll rubber ring. Length: 8.41 in.; Weight: 12.4 oz. Serialized for positive identification. Limited lifetime warranty.

SE-75664 Classic LED, 12V DC (NiCd)

SE-75454 DS LED HL w/ 120V AC/12V DC , 2 Holders (NiMH)



**SE-75664**

**SHO-ME LED Rechargeable Spot/Flood Light dual function LED Rechargeable Light** lets you switch from intense spot light to wide-angle flood light with the flip of a switch. One 5W LED projects a narrow 3° spot beam for up to 5 hours per charge. Twenty high-performance LEDs produce a wide-angle flood light for up to 50 hours per charge. 100,000 hour bulb. Five year warranty on LEDs. Multi-position adjustable base has positive-locking ratchets that hold the light beam in place. Recyclable 6 volt, 4.5 amp/hour, sealed, lead-acid battery. Built-in overcharge protection light and battery condition indicator. Neoprene-booted, weather-proof, center-off toggle switch controls flood and spot functions. Contoured "sure-grip" handle is sized to accommodate large or gloved hands. Quick-release charging base is available in three styles: 110V AC, DC Plug-In or DC Hardwire Charger. Bright yellow Non-conductive housing. Light comes complete with one rechargeable battery and DC plug-in wall mount charger.



**AB-09.201LED.G02**

AB-09.201LED.G02 SHO-ME, DC Charger

# PORTABLE LANTERNS



**Streamlight Litebox®** is a powerful portable rechargeable lantern with a 90° swivel head. Battery is rechargeable up to 500 times on 120V, 230V on AC or 12V DC chargers and has 9 hours continuous run time per charge. The high impact ABS thermo plastic housing has a rubberized impact bumper, lens ring and cushioned-grip handle. The high intensity halogen by-pin bulb, available in 8 watt spot or flood, provides a beam of up to 105,000 peak beam candle power. Available international orange or high-visibility yellow. Includes shoulder strap, AC and DC charge cords and charge rack.



SE-45117

SE-45116 Litebox®, 120V, Spot, Orange  
SE-45117 Litebox®, 120V, Spot, Yellow



**Streamlight E-Flood® LiteBox®** is a portable rechargeable lantern featuring power LED technology for high brightness, long runtime and high reliability. The E-Flood® models use 6 LEDs and wide pattern reflectors to produce a uniform flood pattern that is impervious to shock with a 50,000 hour lifetime. 6 wide pattern parabolic reflectors produce a smooth flood pattern. High or low setting to allow higher light output or longer run time. 2 levels of lighting, High: 4,000 candela (Peak Beam Intensity), 615 lumens, up to 8 hrs. Low: 2,150 candela (Peak Beam Intensity), 330 lumens, up to 18 hrs. 6V, 12 amp-hour sealed lead acid battery is rechargeable up to 500 times. Red and green LEDs give charge status. High impact ABS thermoplastic housing. Available international orange or high-visibility yellow. Rubberized impact bumper, lens ring and cushioned-grip handle. Fits existing LiteBox® chargers. Includes shoulder strap, AC and DC



SE-45801

SE-45801 E-Flood® LiteBox®, Orange  
SE-45821 E-Flood® LiteBox®, Yellow



**RADIORAY® Permanent Mount Remote Controlled Light** with Programmable Wireless Remote. Cr5 Pentabeam™ Technology. Remote Controlled Operation. 370° Rotation x 135° Tilt. 225,000 Candela, 5.5 Apms. UV Ray and Saltwater Resistant. Weatherproof for Land and Sea Applications. Available White/Black. 3-Year Limited Warranty.

**Kit Includes:**

- Programmable Wireless Remote
- Suction Cup & Magnetic Mount Shoe
- 15' Cord with Cigarette Plug for 12v DC

GO-2000 Permanent, White  
GO-2051 Permanent, Black



**RADIORAY® Portable Mount Remote Controlled Light** with Programmable Wireless Remote. Cr5 Pentabeam™ Technology. Remote Controlled Operation. 370° Rotation x 135° Tilt. 225,000 Candela, 5.5 Apms. UV Ray and Saltwater Resistant. Weatherproof for Land and Sea Applications. Available White/Black. 3-Year Limited Warranty.

**Kit Includes:**

- Programmable Wireless Remote
- Suction Cup & Magnetic Mount Shoe
- 15' Cord with Cigarette Plug for 12v DC

GO-7901 Portable, White  
GO-7951 Portable, Black



# LOW VOLTAGE GLOVES



Blue



Red



Black



Yellow



**Salisbury's Low Voltage Insulating Gloves** are available in class 00 and 0 and in 11" and 14" lengths. The class 00 Low Voltage Gloves are made from red or black type I natural rubber, blue type II Salcor®, or in contrasting blue/orange type II Salcor®. The contrast between the outer orange color against the inner blue color, makes inspecting for cuts and tears easier when the glove is inflated or stretched. The class 0 Low Voltage Gloves are available in red, black, yellow and contrasting black/yellow colors in type I natural rubber. The contrast between the outer yellow color against the inner black color, makes inspecting for cuts and tears easier when the glove is inflated or stretched. The class 0 gloves are also available in blue or contrasting blue/orange colors type II Salcor® rubber. Manufactured for outstanding protection, comfort, and long life; as well as meeting and exceeding all current requirements of ASTM D 120 specifications and IEC EN 60903 standards. Available in sizes 8, 9, 9.5, 10, 10.5, 11, 11.5, & 12.

SA-E0011BL-(Size) Class 00, 11", Blue, (Specify Size)  
 SA-E0014BL-(Size) Class 00, 14", Blue, (Specify Size)  
 SA-E0011R-(Size) Class 00, 11", Red, (Specify Size)  
 SA-E00114R-(Size) Class 00, 14", Red, (Specify Size)  
 SA-E0011B-(Size) Class 00, 11", Black, (Specify Size)  
 SA-E0014B-(Size) Class 00, 14", Black, (Specify Size)

SA-E011BL-(Size) Class 0, 11", Blue, (Specify Size)  
 SA-E014BL-(Size) Class 0, 14", Blue, (Specify Size)  
 SA-E011R-(Size) Class 0, 11", Red (Specify Size)  
 SA-E014R-(Size) Class 0, 14", Red (Specify Size)  
 SA-E011B-(Size) Class 0, 11", Black, (Specify Size)  
 SA-E014B-(Size) Class 0, 14", Black, (Specify Size)  
 SA-E011Y-(Size) Class 0, 11", Yellow (Specify Size)  
 SA-E014Y-(Size) Class 0, 14", Yellow (Specify Size)

**SALISBURY**  
 by Honeywell



**Salisbury's High Voltage Insulating Gloves** are available in class 1, 2, 3 and 4 and in 14", 16" and 18" lengths. High Voltage Gloves are available with a straight, contour or bell cuff. The gloves are available in all black or in the combination of yellow on the inside and black on the outside or red on the inside and black on the outside. The two-color combination makes inspecting for cuts and tears easier when the glove is inflated or stretched. Manufactured for outstanding protection, comfort, and long life; as well as meeting and exceeding all current requirements of ASTM D 120 specifications and IEC EN 60903 standards. Available in sizes 8, 9, 9.5, 10, 10.5, 11, 11.5, & 12 (Bell Cuff Gloves are not available in size 8).

SA-E114B-(Size)	Class 1, 14", Straight Cuff, Black, (Specify Size)
SA-E114RB-(Size)	Class 1, 14", Straight Cuff, Red Black, (Specify Size)
SA-E116B-(Size)	Class 1, 16", Straight Cuff, Black, (Specify Size)
SA-E116RB-(Size)	Class 1, 16", Straight Cuff, Red/Black, (Specify Size)
SA-E214B-(Size)	Class 2, 14", Straight Cuff, Black, (Specify Size)
SA-E214RB-(Size)	Class 2, 14", Straight Cuff, Red Black, (Specify Size)
SA-E214BCRB-(Size)	Class 2, 14", Bell Cuff, Red Black, (Specify Size)
SA-E216B-(Size)	Class 2, 16", Straight Cuff, Black, (Specify Size)
SA-E216RB-(Size)	Class 2, 16", Straight Cuff, Red/Black, (Specify Size)
SA-E216BCRB-(Size)	Class 2, 16", Bell Cuff, Red/Black, (Specify Size)
SA-E218CRB-(Size)	Class 2, 18", Contour Cuff, Red/Black, (Specify Size)
SA-E218BCRB-(Size)	Class 2, 18", Bell Cuff, Red/Black, (Specify Size)
SA-E314B-(Size)	Class 3, 14", Straight Cuff, Black, (Specify Size)
SA-E314RB-(Size)	Class 3, 14", Straight Cuff, Red/Black, (Specify Size)
SA-E314BCRB-(Size)	Class 3, 14", Bell Cuff, Red/Black, (Specify Size)
SA-E316RB-(Size)	Class 3, 16", Straight Cuff, Red/Black, (Specify Size)
SA-E316BCRB-(Size)	Class 3, 16", Bell Cuff, Red/Black, (Specify Size)
SA-E318CRB-(Size)	Class 3, 18", Contour Cuff, Red/Black, (Specify Size)
SA-E318BCRB-(Size)	Class 3, 18", Bell Cuff, Red/Black, (Specify Size)
SA-E416RB-(Size)	Class 4, 16", Straight Cuff, Red/Black, (Specify Size)
SA-E416BCRB-(Size)	Class 4, 16", Bell Cuff, Red/Black, (Specify Size)
SA-E418CRB-(Size)	Class 4, 18", Contour Cuff, Red/Black, (Specify Size)
SA-E418BCRB-(Size)	Class 4, 18", Bell Cuff, Red/Black, (Specify Size)

**SALISBURY**

by Honeywell



**Straight**



**Contour**



**Bell**



# GLOVE PROTECTORS



**Salisbury's ILP Series Leather Glove Protectors** are manufactured from top grain cowhide, or goatskin offering excellent comfort and protection for rubber insulating gloves. Feature adjustable straps with non-metallic buckles (protectors for class 00 and 0 are also available with elastic wrist only). Cuffs are tough leather on palm side and orange vinyl on back of hand. All Salisbury leather protectors meet ASTM F 696 Standards. It is the responsibility of the purchaser to determine the required minimum distance from the leather protector cuff to the bead of the rubber glove per ASTM F 496 specifications. Protectors are available in dual sizes 8/8.5, 9/9.5, 10/10.5, 11/11.5, & 12.

SA-ILPG10-(Size)	Glove Protectors, Goatskin, 10" OAL, (Specify Size)
SA-ILPG10A-(Size)	Glove Protectors, Goatskin, 10" OAL w/Adj.Straps (Specify Size)
SA-ILP3S-(Size)	Glove Protectors, Goatskin, 12" OAL, (Specify Size)
SA-ILP4S-(Size)	Glove Protectors, Goatskin, 13" OAL, (Specify Size)
SA-ILP5S-(Size)	Glove Protectors, Goatskin, 14" OAL, (Specify Size)
SA-ILP6S-(Size)	Glove Protectors, Goatskin, 15" OAL, (Specify Size)
SA-ILP7C-(Size)	Glove Protectors, Goatskin, 16" OAL, (Specify Size)

**SALISBURY**  
by Honeywell



SA-ILPG10



SA-ILPG10A



SA-ILP5S

**SafetyTest Glove Liners** enhance comfort of wearing rubber insulating gloves in every season. Liners provide warmth in the cold season and absorb perspiration in the warm months. Liners are made from stretch fabric that can fit any hand size.

ST-IL-1K Knit Glove Liner

**SafetyTest**

The **Field Air Inflation Roll Pin** makes the daily visual inspection of your rubber insulating gloves simple and efficient. Simply slide the end of the cuff of the glove into the jaws of the pin. Roll the glove over and around the pin to create a tight seal for better inflation and superior visual inspection of your rubber gloves. OSHA 1910.137 requires air test inspection for daily use of gloves.

ST-GIRP Glove Inflation Roll Pin

**SafetyTest**

**Salisbury Glove Inflator kit** provides a portable method of inspecting gloves in the field. The glove is secured to the inflator using a nylon strap and fastened with a velcro closure. The glove is inflated by pumping the rubber bellows against any surface. OSHA 1910.137 states "Insulating equipment shall be inspected before each day's use and immediately following any incident that can reasonably be suspected of having caused damage. Insulating gloves shall be given an air test, along with the inspection."

SA-G99 Glove Inflator Kit

**SALISBURY**

by Honeywell

SA-G99

**Salisbury Glove Dust** is a cooling frictionless powder that absorbs moisture and perspiration when wearing rubber gloves. Also prevents gloves from becoming sticky.

SA-10-4 Glove Dust 5 oz.

**SALISBURY**

by Honeywell

SA-10-4



ST-IL-1K



ST-GIRP



# SLEEVES



**Salisbury's Rubber Insulating Sleeves** are available in class 1, 2, 3 and 4. The Rubber Sleeves are designed to extend coverage of the arm from the cuff of the rubber insulating gloves to the shoulder, protecting these areas from accidental contact with energized conductors and equipment. Salisbury offers a dipped-type sleeve that is manufactured by dipping porcelain forms into liquefied rubber. The dipped sleeves have the same softness and flexibility as Salisbury Rubber Insulating Gloves. Salisbury also offers a molded sleeve manufactured by injection molding methods. The molded sleeves are extremely durable and have the added benefit of being resistant to ozone and ultraviolet radiation. Both types meet the requirements of ASTM D 1051. Available in a full range of styles, colors, and sizes.



**SA-2RY**



**SA-D2RRYEC**

**SALISBURY**  
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SA-2RY	Molded, Class 2, Regular, Yellow
SA-2RB	Molded, Class 2, Regular, Black
SA-2LY	Molded, Class 2, Large, Yellow
SA-2LB	Molded, Class 2, Large, Black
SA-2XLY	Molded, Class 2, X-Large, Yellow
SA-2XLB	Molded, Class 2, X-Large, Black
SA-3RY	Molded, Class 3, Regular, Yellow
SA-3LY	Molded, Class 3, Large, Yellow
SA-3XLY	Molded, Class 3, X-Large, Yellow

SA-D2RRYEC	Dipped, Class 2, Regular, Red(Inside)/Yellow(Outside), Extra-Curved Arm
SA-D2RRYEC-24	Dipped, Class 2, Regular/Short, Red(Inside)/Yellow(Outside), Extra-Curved Arm
SA-D2LRYEC	Dipped, Class 2, Large, Red(Inside)/Yellow(Outside), Extra-Curved Arm
SA-D2XLRYEC	Dipped, Class 2, X-Large, Red(Inside)/Yellow(Outside), Extra-Curved Arm
SA-D2RRYST	Dipped, Class 2, Regular, Red(Inside)/Yellow(Outside), Straight Cuff
SA-D2LRYST	Dipped, Class 2, Large, Red(Inside)/Yellow(Outside), Straight Cuff
SA-D2XLRYST	Dipped, Class 2, X-Large, Red(Inside)/Yellow(Outside), Straight Cuff
SA-D3RRYEC	Dipped, Class 3, Regular, Red(Inside)/Yellow(Outside), Extra-Curved Arm
SA-D3RRYEC-24	Dipped, Class 3, Regular/Short, Red(Inside)/Yellow(Outside), Extra-Curved Arm
SA-D3LRYEC	Dipped, Class 3, Large, Red(Inside)/Yellow(Outside), Extra-Curved Arm
SA-D3XLRYEC	Dipped, Class 3, X-Large, Red(Inside)/Yellow(Outside), Extra-Curved Arm
SA-D3RRYST	Dipped, Class 3, Regular, Red(Inside)/Yellow(Outside), Straight Cuff
SA-D3LRYST	Dipped, Class 3, Large, Red(Inside)/Yellow(Outside), Straight Cuff
SA-D3XLRYST	Dipped, Class 3, X-Large, Red(Inside)/Yellow(Outside), Straight Cuff
SA-D4RRYEC	Dipped, Class 3, Regular, Red(Inside)/Yellow(Outside), Straight Cuff
SA-D4RRYEC-24	Dipped, Class 3, Regular/Short, Red(Inside)/Yellow(Outside), Straight Cuff
SA-D4LRYEC	Dipped, Class 3, Large, Red(Inside)/Yellow(Outside), Straight Cuff
SA-D4XLRYEC	Dipped, Class 3, X-Large, Red(Inside)/Yellow(Outside), Straight Cuff





## SLEEVE ACCESSORIES

Salisbury's Sleeve Straps and Harness are manufactured with Type II Salcor® which is highly flexible, corona-resistant polymer with excellent aging and weathering qualities. Two sleeve straps or one harness is required per pair of sleeves. Four buttons are required per pair of sleeves.

ST-S1NB Sleeve Straps, Pair (No Buttons)

**SALISBURY**

by Honeywell

Salisbury's Sleeve Straps and Harness are manufactured with Type II Salcor® which is highly flexible, corona-resistant polymer with excellent aging and weathering qualities. Two sleeve straps or one harness is required per pair of sleeves. Four buttons are required per pair of sleeves.

SA-H1 Harness w/ (4) Buttons

**SALISBURY**

by Honeywell

Salisbury's Sleeve Straps and Harness are manufactured with Type II Salcor® which is highly flexible, corona-resistant polymer with excellent aging and weathering qualities. Two sleeve straps or one harness is required per pair of sleeves. Four buttons are required per pair of sleeves.

SA-B22 Screw-Type Sleeve Buttons

**SALISBURY**

by Honeywell



SA-B22



ST-S1NB



SA-H1





# OVERSHOES



SA-51511

SA-21406

**Salisbury's Dielectric Overshoes** are made from dark red ozone resistant rubber that is 100% water proof. The Overshoes have a fabric lining which is designed to easily slip over work boots. The Dielectric Overshoes are 100% tested to ASTM F1116 at 20kV. Available with non-skid construction sole or the improved "Bob-Sole" which has an aggressive tread for better traction.

SA-51511 20kV Overshoe; Slip-On, Bob-Sole, Whole Sizes 7-16  
SA-21406 20kV Overboot; 14", Adj. Side Strap, Whole Sizes 7-17



SA-51510

**Salisbury's F2413-05 EH Yellow Overshoes** are made from ozone resistant rubber that is 100% water proof. The Overshoes have a fabric lining which is designed to easily slip over work boots. The Overshoes are available in 14kV and 20kV ratings. Styles are as follows: shoes, boots, slip-ons, buckle configurations, and standard anti-skid bar tread sole or diamond V-grip out sole, also available with deep heel for storm work and climbing poles. Salisbury Dielectric Overshoes conform to the electrical hazard requirements of ASTM F2413-05.

SA-51510 14kV Overshoe; Slip-On, Whole & Half Sizes 6-12,  
Whole Sizes 13-17



SA-31910

**Salisbury's F2413-05 EH Yellow Overshoes** are made from ozone resistant rubber that is 100% water proof. The Overshoes have a fabric lining which is designed to easily slip over work boots. The Overshoes are available in 14kV and 20kV ratings. Styles are as follows: shoes, boots, slip-ons, buckle configurations, and standard anti-skid bar tread sole or diamond V-grip out sole, also available with deep heel for storm work and climbing poles. Salisbury Dielectric Overshoes conform to the electrical hazard requirements of ASTM F2413-05.

SA-31910 14kV Overboot; 11", 4 Buckle, Whole Sizes 7-17



**Salisbury's F2413-05 EH Yellow Overshoes** are made from ozone resistant rubber that is 100% water proof. The Overshoes have a fabric lining which is designed to easily slip over work boots. The Overshoes are available in 14kV and 20kV ratings. Styles are as follows: shoes, boots, slip-ons, buckle configurations, and standard anti-skid bar tread sole or diamond V-grip out sole, also available with deep heel for storm work and climbing poles. Salisbury Dielectric Overshoes conform to the electrical hazard requirements of ASTM F2413-05.



**SA-51581**

SA-51581 20kV Overshoe; Slip-On Whole and Half Sizes 7-12  
Whole Sizes 5,6, & 13-17

**SERVUS**  
by Honeywell

**Salisbury's F2413-05 EH Yellow Overshoes** are made from ozone resistant rubber that is 100% water proof. The Overshoes have a fabric lining which is designed to easily slip over work boots. The Overshoes are available in 14kV and 20kV ratings. Styles are as follows: shoes, boots, slip-ons, buckle configurations, and standard anti-skid bar tread sole or diamond V-grip out sole, also available with deep heel for storm work and climbing poles. Salisbury Dielectric Overshoes conform to the electrical hazard requirements of ASTM F2413-05.



**SA-31924**

SA-31924 20kV Overboot; 11", 4 Buckle, Whole Sizes 6-12

**SERVUS**  
by Honeywell

**Salisbury's F2413-05 EH Yellow Overshoes** are made from ozone resistant rubber that is 100% water proof. The Overshoes have a fabric lining which is designed to easily slip over work boots. The Overshoes are available in 14kV and 20kV ratings. Styles are as follows: shoes, boots, slip-ons, buckle configurations, and standard anti-skid bar tread sole or diamond V-grip out sole, also available with deep heel for storm work and climbing poles. Salisbury Dielectric Overshoes conform to the electrical hazard requirements of ASTM F2413-05.



**SA-21402**

SA-21402 20kV Overboot; 17", Adj. Side Strap, Whole Sizes 7-17

**SERVUS**  
by Honeywell

# BLANKETS



**Salisbury's Insulating Blankets** are designed for special cover-up situations. Blankets are manufactured from ozone resistant Salcor® (orange) and natural rubber (black). Blankets are flexible, versatile and compliant with ASTM D 1048. Blankets are available with reinforced eyelets and have reinforced beaded edges, which can be secured with blanket pins, snap buttons, straps or Zip-On Style (velcro) double stitched to the blanket with nylon thread for fast and easy installation or removal. Blankets are also available with a Slotted (Split) Style for increased versatility and flexibility in special cover-up situations. Split blankets are ideal for covering ridge pins, cross arms with insulators or any place a wire, pin or projection interferes with proper placement of other cover-up devices.

SA-13	Class 4, 22" x 22", Orange Salcor® w/28 Eyelets
SA-300E	Class 2, 36" x 36", Black Natural Rubber w/6 Eyelets
SA-900E	Class 4, 36" x 36", Orange Salcor® w/6 Eyelets
SA-15	Class 4, 22" x 22", Orange Salcor®, Split Style, w/28 Eyelets
SA-1100	Class 2, 36" x 36", Black Natural Rubber, Split Style w/28 Eyelets
SA-1300	Class 4, 36" x 36", Orange Salcor®, Split Style w/28 Eyelets
SA-183OS	Class 4, 18" x 36", Orange Salcor® w/Velcro-Style Closure
SA-900EV	Class 4, 36" x 36", Orange Salcor® w/Velcro-Style Closure

**SALISBURY**  
by Honeywell





**Salisbury's Arc Suppression Blankets** are used as a barrier for protection from explosive and incendiary effects of electrical arc and flashes. These hazardous electrical discharges can be caused by faults in cables, in cable splices and joints, and at transformer terminals, or they may be generated by the operation of switch gear, circuit breakers and lightening arrestors. The blankets are ideal for workers protection in underground vaults, switchyards, and other locations where electrical equipment poses a risk of exposure to explosive electrical discharges.

**SA-21655**

SA-21655 Arc 45 Suppression Blanket, 48" x 60"  
SA-21656 Arc 48 Suppression Blanket, 48" x 96"

**SALISBURY**

by Honeywell

**Salisbury's Switchboard Matting** is placed permanently in front of switchgear, motor control centers and other high voltage apparatus to provide personal protection for workers. It can also be used when tending take-up and pay-out reels, adding or replacing conductors or wrapped around poles when setting new poles to guard against accidental line contact. Switchboard matting is available in class 2 (20kV) or class 4 (40kV). Class 2 is made from high quality Type II Rubber, 1/4" thick and tested to 20kV to comply with ASTM D 178, Class 2 specifications. Class 4 is 1/2" thick and tested to 40kV to comply with ASTM D 178, Class 4 specifications. Matting has corrugated surface to enhance traction and reduce possibility of particles becoming embedded. Class 2 matting is available in 25 yard rolls and class 4 is available in 20 yard rolls. Both classes can be custom cut to specific lengths in 1 yard increments per customer request.

**SA-M24-2**

SA-M24-2 Switchboard Matting, Class 2, 24" Width x 3' Length  
SA-M30-2 Switchboard Matting, Class 2, 30" Width x 3' Length  
SA-M36-2 Switchboard Matting, Class 2, 36" Width x 3' Length  
SA-M48-2 Switchboard Matting, Class 2, 48" Width x 3' Length  
SA-M36-4 Switchboard Matting, Class 4, 36" Width x 3' Length

**SALISBURY**

by Honeywell



# BLANKET ACCESSORIES



**Salisbury's Blanket Pins** can be effectively used to hold insulating blankets and rubber cover-up in place. Springs are used for tension while extra holes in the body of the pin are used to grip conductors and prevent line hose from sliding. Pins have rubber tips to increase slip resistance. Blanket pins are available in hard wood or fiberglass reinforced nylon. The nylon pins have 5-1/2" opening and tapered ends to allow the pins to fit any brand of clampstick. Available with clip-pin for applications where a 90 degree angle is necessary for install or removal of pin.

- SA-21 Nylon w/ Pin Boots, 5.5" Jaw Opening, 9.5" OAL
- SA-HS21 Nylon w/ Pin Boots, Clip-Pin, 5.5" Jaw Opening, 9.5" OAL
- SA-YN20 Hardwood w/ Sure Grip

**SALISBURY**  
by Honeywell



SA-YN20



SA-HS21



SA-21

**The Klondike Clamp** is designed for securing a rubber insulating blanket around a pole. Replacing the use of rope or bungee cord. The use of tapes are never recommended for the adhesive degrades the insulative properties of the blanket causing early failure. The Klondike Clamp quickly and safely secures blankets in position on pole diameters ranging from 6" through 11" or 11"-20" without damaging the blanket. Molded from a tough weather resistant polymer with all stainless steel hardware the klondike clamp will provide long maintenance free field life. The large jaw opening of the clamp can also be used in a myriad of pad-mounted equipment situations where it is difficult to secure the blanket in position when draping over energized components.

- UT-USCP-001 Klondike Clamp; Regular, 6"-11"
- USCP-002 Klondike Clamp; Large, 11"-20"



UT-USCP-001

**The SafetyTest Blanket Straps** allows the lineman to simply wrap the Tie Strap around the positioned blanket and presses the velcro ends together.

- ST-BTS-40 Blanket Tie Straps; 40" Pair



ST-BTS-40

**SafetyTest**

The **SafetyTest Super Synch Sling** was developed to secure protective insulated equipment such as rubber blankets and plastic covers. The sling was also designed to deter linemen from using unapproved methods such as electrical tape to secure insulated blankets and covers to poles and structures. The Super Sling is constructed with military grade nylon webbing and insulated Salcor® rubber which can be connected to a nylon hook and synch tightly. A reflective tab has been sewn into the tail of the sling to provide a visual indication from the ground of the slings securement. The Super Synch Sling is available in three lengths; 39", 48" and 60". Customized lengths available upon request.

ST-BHS-39 Super Synch Sling, Nylon and Insulated Rubber  
 ST-BHS-48 Super Synch Sling, Nylon and Insulated Rubber  
 ST-BHS-60 Super Synch Sling, Nylon and Insulated Rubber



# BLANKET ACCESSORIES



SA-B1

**Salisbury's Blanket Buttons** are designed to secure eyelet-style insulating blankets. Button is made of yellow plastic and snaps through the eyelet with thumb pressure on the large head.

SA-B1 Blanket Button, Yellow

**SALISBURY**

by Honeywell



SA-MB6

**Salisbury Magnetic Buttons** are designed for use in eyelets of insulating blankets when covering energized portions in hard to cover areas like pad mounts, cubicles, switchboards and substations.

SA-MB6 Magnetic Button

**SALISBURY**

by Honeywell



ST-BC-6

**SafetyTest Blanket Canisters** are molded in bright orange, hi-impact polyethylene with ergonomic handle. Designed to protect insulating blankets when not in use. A tight-fitting cap is secured to the canister with polypropylene rope. 36" width, 6 blanket capacities.

ST-BC-6 6 Blanket Capacity w/ Handle

**SafetyTest**



SA-P2

**Salisbury Blanket Canisters** are molded in bright orange, hi-impact polyethylene. Designed to protect insulating blankets when not in use. A tight-fitting cap is secured to the canister with polypropylene rope. Available in 36" width, 2, 4 and 6 blanket capacities.

SA-P2 2 Blanket Capacity

SA-P4 4 Blanket Capacity

SA-P6 6 Blanket Capacity

**SALISBURY**

by Honeywell

**Hastings Insulator Hoods** are constructed from high visibility bright yellow ABS plastic. The hoods have a male and female interlocking system for connecting line guards. The hoods come with a standard eye for installation with hot sticks. The hood has a 35kV, 46kV and 69kV rating when used with equivalent rated line guards. Hoods are tested per ASTM specifications.

- HA-9144 Single Pin, 22" L
- HA-9770 Double Pin, Adjustable Lengths: 27", 32" & 37"



**HA-9144**



**Hastings Plastic Cross Arm Guards** are constructed from high visibility bright yellow ABS plastic. The Cross Arm Guards come with a standard eye for installation with hot sticks. The Cross Arm Guard is rated at 15kV phase to ground. Fits distribution and sub transmission arm sizes. Provides a barrier for linemen to prevent tie wires from contacting pins or cross arms. Sides are slotted so that guards can be installed over double arming bolts.

- HA-12012 Cross Arm Guard, Shot Gun Eye



**HA-12012**

**SafetyTest Thermoplastic Pole Guards** are installed before setting new poles to guard against accidental line contact. They also guard against pole contacts by personnel working in insulating aerial buckets or on platforms. Pole Guards are made from orange, Type I ABS, cold weather, high impact thermoplastic. 27 kV phase to ground.

- ST-PG4 4'
- ST-PG6 6'



**ST-PG4**



## COVERS



SA-CC24

**Salisbury's Cutout Covers** are made for insulating overhead cutouts as well as underground pad mount applications. Cutout Covers are made from Type II Salcor®. Cutout Covers comply with ASTM D 1049.

SA-CC24 Cutout Cover, Class 2, 24" x 15" x 3.5"

SA-CC30 Cutout Cover, Class 4, 30" x 20" x 7"

**SALISBURY**

by Honeywell



SA-117

**Salisbury Self-Securing Cable End Caps** are used on high voltage distribution cable ends found on vaults, cubicles and substations when cable remains energized during work. The caps keep moisture and contamination off trimmed cable ends. Cable End Caps are made from type II orange Salcor® and are rated at 20kV. Cable End Caps must be applied wearing rubber gloves.

SA-117 Class 2, 1.38" ID X 10" L, 4/0 to 500 MCM

SA-173 Class 2, .81" ID X 6" L, #4 to 4/0 AWG

SA-177 Class 2, 2.25" ID X 12" L

SA-178 Class 2, 3.19" ID X 16" L

**SALISBURY**

by Honeywell



SA-SC4

**Salisbury Spade Covers** provide temporary insulation when working in Padmount transformers and other electrical apparatus. Spade covers can be securely held in place and used indefinitely for front end protection. Larger covers can be used for elbows, multiple lead primary and secondary fittings and lugs used in underground enclosures and vaults. Molded from flexible Salcor®, and have excellent aging and weathering characteristics.

SA-SC4 Class 2, 2.75" X 4.4" X 10.75", 1" Lip Ext.

SA-SC5 Class 2, 3" X 6" X 10", 2" Lip Ext.

SA-SC6 Class 2, 3" X 6" X 10", 1.25" Lip Ext.

**SALISBURY**

by Honeywell

**Salisbury's MRG Universal Pin Type Insulator Covers** fit insulators through 8.5" diameter and 13.8 kV post-type insulators. A trim bead permits use on both 35kV and 15kV cross arm construction. Covers are made from Salcor® and feature RIB-GRIP® construction and comply with ASTM 1049 specifications.



SA-MRG Pin Type Insulator Cover, Class 4, Fits 8.5" Insulators/1.5-2.5" Line Hose

**SA-MRG**

**SALISBURY**

by Honeywell

**Salisbury's PTHL Post Type insulator Covers** interlock with 1.5-2.5" class 4 extended lip SU system or conventional line hose and accommodate insulators up to 16" in height. The PTHL cover also has external ribs on the ears which



SA-PTHL Post Type Insulator Cover, Class 4, Fits 6.5" Insulators /1.5-2.5" Line Hose

SA-PTHS Post Type Insulator Cover, Class 4, Fits 7" Insulators /1.5-2.5" Line Hose

**SALISBURY**

by Honeywell

**Salisbury's Insulator Covers** are used with conventional line hose to cover pin type insulators. The insulator covers are manufactured from Type II Salcor® and feature RIB-GRIP® construction to lock to the underside of the insulators. The large diameter arm overlaps the small arm of the adjoining cover on double-arm constructions which provides complete insulation of the joint regardless of the varying diameter between pins.



SA-OKRG Insulator Cover, Class 3, Fits 55-4 Insulator Class/1.25" - 1.5" Line

**SA-PTHL**

**SA-OKRG**

**SALISBURY**

by Honeywell

**Salisbury's Dead End Protectors cover** 4.25" and 6" bells or polymer insulators with a skirt diameter of less than 6". Protectors are made from Type II Salcor® with RIB-GRIP® construction. OR101 has outer ribs to be used with 2" and 2.5" I.D. line hose when using UC2 connector. The smaller, OR114 to be used to cover transformer bushings up to 4.5" in diameter. OR 124 covers polymer insulators up to 4.75" in diameter and 25" overall length including hardware. Replacement straps are available. Replacement straps for dead end protectors are made of high strength nylon webbing. The replacement straps feed through slots cut out of the dead end protectors and lock

SA-OR101 Dead End Protector, Class 2, Fits 2-6" Bell Size/1" Line Hose

SA-OR114 Dead End Protector, Class 3 Fits 1-4.25" Bell Size/1.5" Line Hose

SA-OR124 Dead End Protector, Class 3, Fits 2-4.25" Bell Size/15" Line Hose

SA-N24 Replacement Strap, for 114/124 Series Dead End Protectors

SA-N36 Replacement Strap, for 101 Series Dead End Protector



**SA-OR124**

**SALISBURY**

by Honeywell

# LINE HOSE



SA-OR150-6



SA-OR150-6C



SA-SU150-6



SA-SU150-6C

**Salisbury's Line Hose** is designed for protecting linemen from accidental contact from energized lines. Manufactured from Type II Salcor®. Salcor® remains flexible in cold weather and is not damaged by ozone radiation or ultraviolet rays. Line hose available in straight or connector end styles, ASTM Class 2 or 3, and numerous diameters and lengths. Salisbury Line Hose Connectors are also available to connect conventional line hose. Connectors are made from Type II Salcor® and can be used on 1.25" or 1.50" I.D. line hose.

SA-OR125-6	Class 2, Straight, 1.25" I.D. x 6' Lnth
SA-OR125-6C	Class 2, Connector End, 1.25" I.D. x 6' Lnth
SA-ORC125	Class 2, Connector, 1.25" I.D. x 12" Lnth
SA-OR150-45	Class 3, Straight, 1.50" I.D. x 4.5' Lnth
SA-OR150-45C	Class 3, Connector End, 1.50" I.D. x 4.5' Lnth
SA-OR150-6	Class 3, Straight, 1.50" I.D. x 6' Lnth
SA-OR150-6C	Class 3, Connector End, 1.50" I.D. x 6' Lnth
SA-ORC150	Class 3, Connector, 1.50" I.D. x 12" Lnth

**Salisbury's Extended Lip SU System Line Hose** are completely flexible cover-up device for voltages up to 34.5 kV. Extended Lip Line Hose can be installed by hand, wearing rubber insulating gloves, for and insulated aerial device or platform, or with hot stick. Manufactured from Type II Salcor®. Salcor® remains flexible in cold weather and is not damaged by ozone radiation or ultraviolet rays. Salisbury (SU) Line Hose Connectors are also available to connect straight lengths of SU system line hose and covers.

SA-SU150-45	Class 4 (SU), Straight, 1.5" I.D. x 4.5' Lnth
SA-SU150-45C	Class 4 (SU), Connect End, 1.5" I.D. x 4.5' Lnth
SA-SU150-6	Class 4 (SU), Straight, 1.5" I.D. x 6' Lnth
SA-SU150-6C	Class 4 (SU), Connect End, 1.5" I.D. x 6' Lnth
SA-UC	Class 4 (SU), Connect, 1.5" I.D. x 10.5' Lnth

**SALISBURY**  
by Honeywell



**Hastings Polyethylene Line Guards** are lightweight (1/3 the weight of similar rubber line hoses) and have a smooth polyethylene surface which is easy clean. The high visibility yellow line guards have male and female connecting ends which easily snap together. The polyethylene line guards are available in 15kV phase to phase, 8.4kV to ground, and 26.4kV phase to phase, 15.3kV phase to ground, (Brush Contact Only). The line guards meet or exceed ASTM F-712 & F 968 electrical requirements.

HA-6060 15kV, 6'  
HA-6050 15kV, 5'  
HA-6055 25kV, 5'  
HA-6065 25kV, 6'



**HA-6060**

**Chance Plastic Conductor Covers** surround "hot parts" and hardware to give linemen extra protection when rubber gloving or using hot sticks. Conductor and Insulator units mate together to provide continuous coverage for conductors and pin-type or post-type insulators or can be used as a dead-end cover. The bright orange covers are made of high-density polyethylene. Available with Grip-all adapter handle or Epoxiglas® handle. Manufactured to ASTM-F968 and tested to ASTM-F712.

CH-P4060184 25kV, 5' w/4' Epoxiglas® Handle  
CH-C4060181GA 25kV, 5' w/Grip-All Adapter  
CH-C4060181 25kV, 5' w/4' Epoxiglas® Handle  
CH-C4060514GA 36.6kV, 5' w/Grip-All Adapter



**CH-P4060184**



**Hastings Plastic Line Guards** are constructed from high visibility bright yellow ABS plastic. The interlocking line guards have male and female ends for connecting large spans. The guards come with 4' fiberglass installing sticks or standard eye for installation with hot sticks. The line guards are available in 15/25kV, 35kV, 46kV and 69kV ratings. Guards are tested per ASTM specifications.

HA-12936 15/25kV, 4' 6" L, Shot Gun Eye  
HA-6010 35kV, 4' 6" L, Shot Gun Eye  
HA-6011 35kV, 4' 6" L, 4' Installing Stick  
HA-6012 46kV, 4' 6" L, Shot Gun Eye  
HA-6013 46kV, 4' 6" L, 4' Installing Stick  
HA-12000 69kV, 4' 6" L, Shot Gun Eye  
HA-12001 4' 6" L, 4' Installing Stick



**HA-12936**



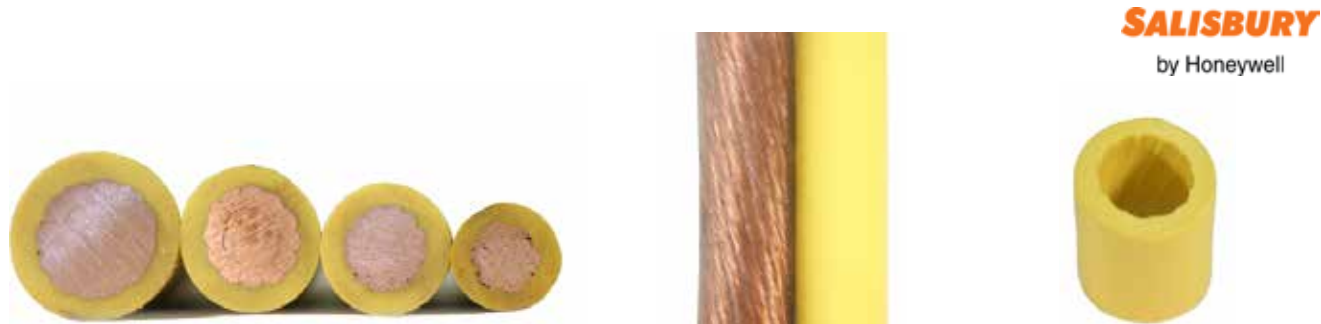


# GROUNDING & JUMPER CABLES



**Salisbury Grounding Cables** are made with extra flexible soft drawn copper (#30 AWG, 0.01") with two different thermoplastic elastomer jackets (yellow & clear). The yellow thermoplastic elastomer jacket meets ASTM F 855, Type I requirements. The clear PVC transparent thermoplastic jacket meets ASTM F 855, Type III requirements.

SA-2136	Grounding Cable, Yellow TPE Jacket, #2-665W	0.28 lb/ft
SA-2137	Grounding Cable, Yellow TPE Jacket, 1/0-1064W	0.49 lb/ft
SA-2138	Grounding Cable, Yellow TPE Jacket, 2/0-1330W	0.54 lb/ft
SA-2139	Grounding Cable, Yellow TPE Jacket, 4/0-2109W	0.84 lb/ft
SA-2128	Grounding Cable, Clear PVC Jacket, #2-665W	0.28 lb/ft
SA-2129	Grounding Cable, Clear PVC Jacket, 1/0-1064W	0.49 lb/ft
SA-2133	Grounding Cable, Clear PVC Jacket, 2/0-1330W	0.54 lb/ft
SA-2288	Grounding Cable, Clear PVC Jacket, 4/0-2109W	0.84 lb/ft



**Salisbury Insulated Jumper Cables** are lightweight and extremely flexible. Cables are resistant to oil, heat, moisture, ozone and abrasion. All cables have size and kV rating embossed. EPR low temperature unipass orange CV cured jacket. Fine stranded copper with alloy coating. The conductor has a semi-conducting shield surrounding to relieve voltage stress and improve dielectric strength and service life. Meets or exceeds ASTM F2321 requirements.

SA-2754	Insulated Jumper Cable, #2-259W; 15kV	0.44 lb/ft
SA-2755	Insulated Jumper Cable, 1/0-413W; 15kV	0.60 lb/ft
SA-2756	Insulated Jumper Cable, 2/0-427W; 15kV	0.71 lb/ft
SA-2757	Insulated Jumper Cable, 4/0-437W; 15kV	1.05 lb/ft
SA-21060	Insulated Jumper Cable, 2/0-427W; 25kV	0.75 lb/ft
SA-2059	Insulated Jumper Cable, 1/0-413W; 35kV	0.95 lb/ft



**Salisbury Threaded Copper Ferrules** provide low resistant connections to cable with a 5/8-11 UNC threaded stud that securely screws into a clamp. Nut and lock washers increase contact pressure and secure the assembly. The tin plated copper ferrules can be used on bronze or aluminum body clamps. Meets or exceeds ASTM F2321 requirements.

SA-2022 Threaded Ferrule, #2  
 SA-2023 Threaded Ferrule, 1/0  
 SA-2024 Threaded Ferrule, 2/0  
 SA-2025 Threaded Ferrule, 4/0

*Nut and washer included with threaded ferrules.*

**SALISBURY**

by Honeywell



**SA-2022**



**SA-2023**



**SA-2024**



**SA-2025**

**Salisbury Pressure "Plug" Copper Ferrules** are designed for use on all pressure terminal type clamps. The tin plated copper ferrules can be used on bronze or aluminum body clamps. Meets or exceeds ASTM F2321 requirements.

SA-24420 Pressure Ferrule, #2  
 SA-24421 Pressure Ferrule, 1/0  
 SA-24422 Pressure Ferrule, 2/0  
 SA-24423 Pressure Ferrule, 4/0

**SALISBURY**

by Honeywell



**SA-24420**



**SA-24421**



**SA-24422**



**SA-24423**

## GROUNDING CLAMPS



SA-7640001E

**SALISBURY**

by Honeywell

**Salisbury C-Type Ground Clamp**, Aluminum Body, Smooth Jaw, Stainless Steel Eyescrew, 5/8"-11 Threaded Terminal, 2/0 KCM ACSR (0.75") Max. Range, #6 (0.19") Min. Range. Grade 5.



SA-4200

**SALISBURY**

by Honeywell

**Salisbury C-Type Ground Clamp**, Bronze Body, Smooth Jaw, Eyescrew, 5/8"-11 Threaded Terminal, 477 MCM 18 X 1 ACSR (0.83") Max. Range, #8 (0.12") Min. Range. Grade 5.



CH-T6000790



**Chance C-Type Ground Clamp**, Bronze Body, Smooth Jaw, Eyescrew, 5/8"-11 Threaded Terminal, 477 MCM 18 X 1 ACSR (0.83") Max. Range, #8 (0.12") Min. Range. Grade 2.



CH-C6002271



**Chance C-Type Ground Clamp**, Bronze Body, Smooth Jaw, Eyescrew, 5/8"-11 Threaded Terminal, 1033 kcmil ACSR/1.25" dia. Max. Range, 6 Solid/0.162 dia. Min. Range. Grade 5.


**CH-C6002276**


**Chance C-Type Ground Clamp**, Aluminum Body, Serrated Jaw, Bronze Eyescrew, Pressure Type Terminal, 1033 kcmil ACSR/1.25" dia. Max. Range, 8 Solid/0.128 dia. Min. Range. Grade 5.


**CH-T6002708**


**Chance C-Type Ground Clamp**, Aluminum Body, Serrated Jaw, Bronze Eyescrew, 5/8"-11 Threaded Terminal, 1033 kcmil ACSR/1.25" dia. Max. Range, 8 Solid/0.128 dia. Min. Range. Grade 5.


**SA-21070**


**Salisbury C-Type Ground Clamp**, Bronze Body, Serrated Jaw, Eyescrew, 5/8"-11 Threaded Terminal, 1035.5 KCM ACSR (1.26") Max. Range, #6 (0.16") Min. Range. Grade 5.


**CH-C6001743**


**Chance C-Type Ground Clamp**, Aluminum Body, Smooth Jaw, Bronze Eyescrew, 5/8"-11 Threaded Terminal, 1000 kcmil ACSR/1.50" dia. Max. Range, 6 Solid/0.162 dia. Min. Range. Grade 5.



## GROUNDING CLAMPS



SA-1895

**SALISBURY**  
by Honeywell

**Salisbury C-Type Ground Clamp**, Aluminum Body, Serrated Jaw, Bronze Eyescrew, 5/8"-11 Threaded Terminal, 1431 KCM ACSR (1.5") Max. Range, #6 (0.16") Min. Range. Grade 5.



RL-R-GC1002

**RELIABLE**  
EQUIPMENT

**Reliable C-Type Ground Clamp**, Aluminum Body, Serrated Jaw, Bronze Eyescrew, 5/8"-11 Threaded Terminal, 1431 KCM ACSR (1.5") Max. Range, #6 (0.16") Min. Range.



SA-21942

**SALISBURY**  
by Honeywell

**Salisbury C-Type Ground Clamp**, Aluminum Body, Serrated Jaw, Eyescrew, Pressure Type Terminal, 21035.5 KCM ACSR (1.26") Max. Range, 6 Solid/0.06 dia. Min. Range. Grade 5.



CH-C6002282



**Chance C-Type Ground Clamp**, Aluminum Body, Serrated Jaw, Eyescrew, Pressure Type Terminal, 2" O.D. Bus Max. Range, 6 Solid/0.162 dia. Min. Range. Grade 5.



**CH-C6002256**



**Chance C-Type Ground Clamp**, Aluminum Body, Serrated Jaw, Eyescrew, 5/8"-11 Threaded Terminal, 2" O.D. Bus Max. Range, 6 Solid/0.162 dia. Min. Range. Grade 5.



**CH-G36051**



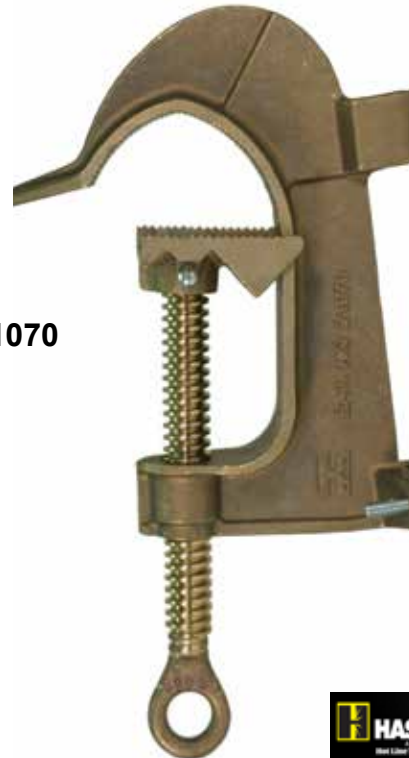
**Chance C-Type Ground Clamp**, Aluminum Body, Smooth Jaw, Bronze Eyescrew, Bronze Pressure Type Terminal, 2" O.D. Bus Max. Range, 6 Solid/0.162 dia. Min. Range. Grade 5.



**CH-T6000658**



**Chance C-Type Ground Clamp**, Aluminum Body, Smooth Jaw, Eyescrew, 5/8"-11 Threaded Terminal, 2" O.D. Bus Max. Range 6 Solid/0.162 dia. Min. Range. Grade 5.



**HA-21070**



**Hastings C-Type Ground Clamp**, Bronze Body, Serrated Jaw, Eyescrew, 5/8"-11 Threaded Terminal, 4/0 (2.88") Max. Range, #6 (0.16") Min. Range. Grade 5.

## GROUNDING CLAMPS



CH-C6000197



**Chance Duckbill Ground Clamp,** Aluminum Body, Serrated Jaw, Bronze Eyescrew, 5/8"-11 Threaded Terminal, 950 kcmil Cu. 1510 kcmil ACSR/ 1.506"Max. Range, 6 Sol. Cu./ 0.162" Min. Range. Grade 5.



CH-C6000434



**Chance Duckbill Ground Clamp,** Aluminum Body, Serrated Jaw, Bronze Eyescrew, Pressure Type Terminal, 950 kcmil Cu. 1510 kcmil ACSR/ 1.506"Max. Range, 6 Sol. Cu./ 0.162" Min. Range. Grade 5.



SA-1853

**SALISBURY**

by Honeywell

**Salisbury Duckbill Ground Clamp,** Aluminum Body, Serrated Jaw, Eyescrew, Threaded Type Terminal, 1590 MCM ACSR (1.65") Max. Range, #6 Sol. Cu. (0.162") Min. Range. Grade 5.



ST-TP15ADBT15

**SafetyTest**

EST. 1947

**SafetyTest Duckbill Ground Clamp,** Aluminum Body, Serrated Jaw, Eyescrew, Threaded Type Terminal, 1590 MCM ACSR (1.65") Max. Range, #6 Sol. Cu. (0.162") Min. Range. Grade 5H.



**Hastings Bus-Bar Ground Clamp w/ Hanger Stud**, Bronze Body, Serrated Jaw, Bronze Eyescrew, 5" OD Max. Range, 1-1/4" OD Min. Range, 3-1/4" L X 13/16" OD Stud. Grade 5



**SALISBURY**  
by Honeywell

**Salisbury Bus-Bar Ground Clamp**, Aluminum Body, Smooth Jaw w/ Flat Lower, Bronze Eyescrew, 3/4-10 Ferrule Threads, 3" I.P.S, 3.5" Max. Range, 1.75" Min. Range . Grade 5H



**Chance Bus-Bar Ground Clamp**, Aluminum Body, Smooth Jaw, Eyescrew, Pressure Type Terminal, 4" X 4" Sq. or 4.5" O.D. Bus Max. Range, 4/0 Str. Cu. Min. Range. Grade 5



**SALISBURY**  
by Honeywell

**Salisbury Bus-Bar Ground Clamp**, Aluminum Body, Smooth Jaw w/ Flat Lower, Bronze Eyescrew, 3/4-10 Ferrule Threads, 6.12" I.P.S, 6.62" Max. Range, 4" Min. Range. Grade 5H



## GROUNDING CLAMPS



CH-T6000819



**Chance Bus-Bar Ground Clamp** w/ 8.5" Grounding Stud, Aluminum Body, Smooth Jaw, Eyescrew, Pressure Type Terminal, 4" X 4" Sq. or 4.5" O.D. Bus Maximum Range, 4/0 Str. Cu. Min. Range. Grade 5



CH-T6000844



**Chance Bus-Bar Ground Clamp** w/ 8.5" Grounding Stud, Aluminum Body, Smooth Jaw, Eyescrew, Pressure Type Terminal, 6-5/8" O.D. Bus Maximum Range, 3-1/2" O.D. Bus Min. Range. Grade 6



ST-TP6ARA2T20-S



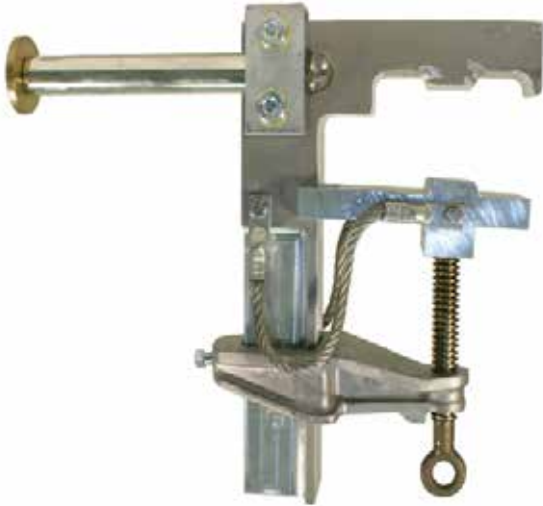
**Bus-Bar Ground Clamp** w/ 6.5" Grounding Stud, Aluminum Body, Smooth Jaw, Stainless Steel Eyescrew, Dual 5/8"-11 Threaded Terminal, 6-5/8" O.D. Bus Maximum Range, 3-1/2" O.D. Bus Min. Range. Grade 5H



ST-TP6ARB2T20-S-VP



**Bus-Bar Ground Clamp** w/ 6.5" Grounding Stud, Aluminum Body, Serrated Jaw, Stainless Steel Eyescrew, Dual 5/8"-11 Threaded Terminal, 6-5/8" O.D. Bus Maximum Range, 3-1/2" O.D. Bus Min. Range. Grade 5H



**CH-PST6003450**



**Chance Integral Web Bus-Bar Ground Clamp** w/ 6" Grounding Stud, Aluminum Body, Serrated Jaw, Eyescrew, 6" IWB Bus Maximum Range, 4" IWB Min Range. Grade 5



**ST-TP4X6AIWB2T20-S**



**Integral Web Bus-Bar Ground Clamp** w/ 6" Grounding Stud, Aluminum Body, Serrated Jaw, Stainless Steel Eyescrew, Dual 5/8"-11 Threaded Terminal, 6" IWB Bus Maximum Range, 4" IWB Min. Range. Grade 5H



## GROUNDING CLAMPS



HA-9153



**Hastings Flat-Face Ground Clamp**, Aluminum Body, Serrated Jaw, Bronze Eyescrew, Pressure Type Terminal, 1-1/2" Angles or Flat and (4/0) Cable Max. Range.



CH-C6002232



**Chance Flat-Face Ground Clamp**, Bronze Body, Serrated Jaw, Bronze Eyescrew, Threaded Type Terminal, 1-1/2" Angles or Flat Max. Range, 1/8" Min. Range.



HA-21571



**Hastings Flat-Face Ground Clamp**, Bronze Body, Serrated Jaw, Bronze Eyescrew, Threaded Type Terminal, 1-1/2" Angles or Flat Max. Range, 1/8" Min. Range.



SA-1815



**Flat-Face Ground Clamp**, Bronze Body, Serrated Jaw, Bronze Eyescrew, 5/8"-11 Threaded Terminal, 1-1/2" Angles or Flat Max. Range, 1/8" Min. Range.



CH-C6002231



**Chance Flat-Face Ground Clamp**, Bronze Body, Serrated Jaw, Bronze T-Handle, 5/8"-11 Threaded Terminal, 1-1/2" Angles or Flat Max. Range, 1/8" Min. Range.



CH-G33633SJ



**Chance Flat-Face Ground Clamp**, Aluminum Body, Serrated Jaw, Bronze Eyescrew, Pressure Type Terminal, 1-1/2" Angles or Flat Max Range, 1/8" Min. Range.



CH-G33634SJ



**Chance Flat-Face Ground Clamp**, Aluminum Body, Serrated Jaw, Bronze T-Handle, (Fine) Threaded Type Terminal, 1-1/2" Angles or Flat Max Range, 1/8" Min. Range.



CH-C60000085



**Chance Tower Ground Clamp**, Aluminum Body & Retainer w/ Bronze Scrubber-Type Contact Pads, T-Handle, (Fine) Threaded Type Terminal, 4" Structural Angles Max. Range, 2" Structural Angles Min. Range.



# GROUNDING CLAMPS



CH-G422810SJ



**Chance All-Angle Ground Clamp**, Serrated Jaws, Bronze Eyescrew, Pressure Type Terminal, 2-1/2" IPS/ 2.88" Max. Range, #2 Cu./ 0.258" Min. Range.



CH-G42291SJ



**Chance All-Angle Ground Clamp**, Serrated Jaws, Bronze Eyescrew, Pressure Type Terminal, 954 kcmil ACSR/ 1.196" Max. Range, #2 Cu./ 0.258" Min. Range.



HA-6715



**URD Spiking Clamp**, Aluminum Body, Smooth Jaw, Eyescrew, Pressure Type Terminal, 2-1/4" Cable Max.



SA-20867



**URD Spiking Clamp**, Aluminum Body, Serrated Jaw, Eyescrew, Threaded Type Terminal, 2.40" Cable Max.



**CH-C6002100**



**Ball Socket Ground Clamp**, Bronze Body, Bronze Eyescrew, Drilled 5/8"-11 for use with threaded ferrule.



**CH-C6002101**



**Ball Socket Ground Clamp**, Bronze Body, Bronze Eyescrew, Tapped 5/8"-11 for use on grounding cable threaded stud



**CH-T6002867**



**Ball Stud, Bronze**, 5/8" DIA. 1/2"-13 UNC Internal Thread, 3.3" OAL, 1-1/8" Nominal Shank Length.



**CH-C6002102**



**Ball Stud, Bronze**, 5/8" DIA. 1/2"-13 UNC Threaded, 4-1/4" OAL, 1-13/16" Nominal Shank Length.



**CH-T6002364**



**Ball Stud, Bronze**, 5/8" DIA. 1/2"-13 UNC Threaded, 7" OAL, 3-15/16" Nominal Shank Length.

# GROUNDING CLAMPS



ST-TS415

Truck Stud, Brass, 1" Dia. w/ 5/8-11 UNC Internal Thread, 4-3/4" OAL.



ST-GS512

Ground Extender, Brass, 1" Dia., 5-1/2" OAL.



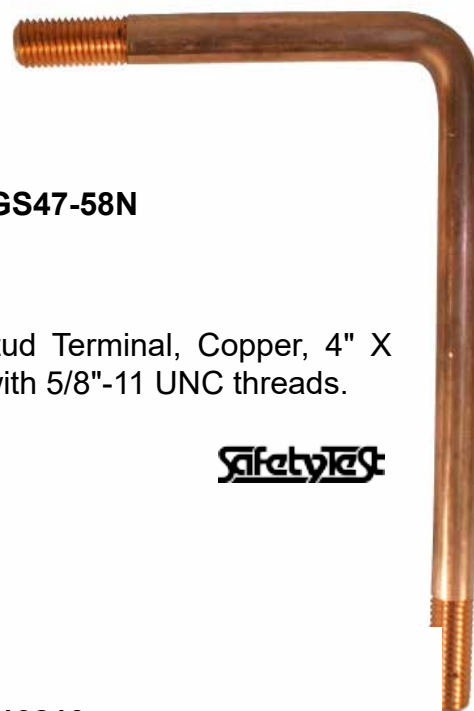
ST-TS615

Truck Stud, Brass, 1" Dia. w/ 5/8-11 UNC Internal Thread, 6-3/4" OAL.



CH-C6000841

Chance T-Stud Terminal allows for multiple attachment of standard ground clamps.



ST-GS47-58N

L-Stud Terminal, Copper, 4" X 7" with 5/8"-11 UNC threads.



CH-G3626

Hanger Stud, Rear Mount, 7/16" X 2-1/2".



HA-13210

Hanger Stud, Fits: HA-4706-4, HA-10375, HA-11190, HA-3172 Clamps.





**CH-215GE6**  
URD Elbow,  
15kV w/ 1/0 Connector



**CH-225GE6**  
URD Elbow,  
25kV w/ 1/0 Connector



**CH-235GE6**  
URD Elbow,  
35kV w/ 1/0 Connector



**CH-215GE7**  
URD Elbow,  
15kV w/ 2/0 Connector

**CH-225GE7**  
URD Elbow,  
25kV w/ 2/0 Connector

**CH-235GE7**  
URD Elbow,  
35kV w/ 2/0 Connector





# INSULATED JUMPER CLAMPS



SA-2115

**Salisbury Insulated Jumper Clamps** are available in two main line sizes with a maximum use voltage of 35kV. Assemble these clamps with insulated jumper cable and 5/8-11 UNC threaded ferrules. The clear plastic jumper clamps are compact, lightweight, and virtually unbreakable. The transparency allows easy inspection of the ferrule and cable inside of the handle. The body and jaw are made from a copper base alloy. The lower floating ring contact is bronze. 400 continuous maximum amps. 36kV phase to phase, 21kV phase to ground.

SA-1785 Jumper Clamp, 477 MCM (.9"-.162")

SA-2115 Jumper Clamp, 954 MCM (1.25"-.162")

**SALISBURY**  
by Honeywell



HA-11000

**Hastings Insulated Jumper Clamps** are available in two main line sizes up to 954 ACSR. Assemble these clamps with insulated jumper cable and 5/8-11 UNC threaded ferrules. Yellow handles are made from bright yellow, impact resistant modified polyolefin material. The clamp body is made from brass alloy and serrated floating ring contact jaw is made of bronze. Rated for 400 continuous maximum amps.

HA-13004 Jumper Clamp, 556-6 MCM (.9"-.162")

HA-11000 Jumper Clamp, 954 ACSR (1.25"-.162")



SafetyTest grounding cables and mechanical by-pass assemblies are custom made with quick turn-a-round orders.



## UNIVERSAL, SWITCH &amp; DISCONNECT STICKS



HA-460-08 (Switch)



HA-461-08 (Disconnect)

**Hastings' Universal, Switch & Disconnect Sticks** are constructed of woven fiberglass and manufactured resin rich to eliminate chipping and glass fiber peel. Unicellular core is self extinguishing and resistant to cleaning fluids and solvents. Bright yellow epoxy finish is integral part of laminate and will not peel. Switch and disconnect heads are manufactured from high-tensile cast bronze. All sections are 100% tested per OSHA and ASTM F-711.

HA-461-04	Disconnect Stick, 1.25" x 4'
HA-461-06	Disconnect Stick, 1.25" x 6'
HA-461-08	Disconnect Stick, 1.25" x 8'
HA-461-10	Disconnect Stick, 1.25" x 10'
HA-461-12	Disconnect Stick, 1.25" x 12'
HA-541-06	Disconnect Stick, 1.5" x 6'
HA-541-08	Disconnect Stick, 1.5" x 8'
HA-541-10	Disconnect Stick, 1.5" x 10'
HA-541-12	Disconnect Stick, 1.5" x 12'
HA-541-14	Disconnect Stick, 1.5" x 14'
HA-541-16	Disconnect Stick, 1.5" x 16'
HA-541-18	Disconnect Stick, 1.5" x 18'
HA-541-20	Disconnect Stick, 1.5" x 20'
HA-460-04	Switch Stick, 1.25" x 4'
HA-460-06	Switch Stick, 1.25" x 6'
HA-460-08	Switch Stick, 1.25" x 8'
HA-460-10	Switch Stick, 1.25" x 10'
HA-460-12	Switch Stick, 1.25" x 12'
HA-462-06	Switch Stick, 1.5" x 6'
HA-462-08	Switch Stick, 1.5" x 8'
HA-462-10	Switch Stick, 1.5" x 10'
HA-462-12	Switch Stick, 1.5" x 12'
HA-462-14	Switch Stick, 1.5" x 14'
HA-462-16	Switch Stick, 1.5" x 16'
HA-462-18	Switch Stick, 1.5" x 18'
HA-462-20	Switch Stick, 1.5" x 20'



Hanger



**TEREX®**

## UNIVERSAL, SWITCH & DISCONNECT STICKS



**HA-567-8 (Universal)**



**Cap End**

HA-567-4	Universal Stick w/Hanger, 1.25" x 4'
HA-567-6	Universal Stick w/Hanger, 1.25" x 6'
HA-567-8	Universal Stick w/Hanger, 1.25" x 8'
HA-567-10	Universal Stick w/Hanger, 1.25" x 10'
HA-567-12	Universal Stick w/Hanger, 1.25" x 12'
HA-469-10	Universal Stick w/Hanger 1.5" x 10'
HA-469-12	Universal Stick w/Hanger 1.5" x 12'
HA-469-14	Universal Stick w/Hanger 1.5" x 14'
HA-469-16	Universal Stick w/Hanger 1.5" x 16'
HA-469-18	Universal Stick w/Hanger 1.5" x 18'
HA-469-20	Universal Stick w/Hanger 1.5" x 20'
HA-4678-04	Double End Universal Stick, 1.25" x 4'
HA-4678-06	Double End Universal Stick, 1.25" x 6'
HA-4678-08	Double End Universal Stick, 1.25" x 8'
HA-4678-10	Double End Universal Stick, 1.25" x 10'
HA-4678-12	Double End Universal Stick, 1.25" x 12'
HA-4680-08	Double End Universal Stick, 1.5" x 8'
HA-4680-10	Double End Universal Stick, 1.5" x 10'
HA-4680-12	Double End Universal Stick, 1.5" x 12'
HA-4680-14	Double End Universal Stick, 1.5" x 14'





## UNIVERSAL , SWITCH & DISCONNECT STICKS

**Chance's Universal, Switch & Disconnect Sticks** provide insulation for linemen in opening and closing disconnect switches and cutouts. As well as for use with a wide variety of splined universal tools. The universal design allows for angling the tool up to 90 degrees. They are also used for installing and removing open-link fuse links. Poles are made of Epoxiglas® with NEMA-Standard Heads of cast bronze



**CH-H304613 (Switch)**



**CH-H304623 (Disconnect)**

CH-H304622	Disconnect Stick, 1.5" x 6'1"
CH-H304623	Disconnect Stick, 1.5" x 8'1"
CH-H304624	Disconnect Stick, 1.5" x 10'1"
CH-H304615	Disconnect Stick, 1.5" x 12'1"
CH-H304616	Disconnect Stick, 1.5" x 16'1"
CH-H304618	Disconnect Stick, 1.5" x 18'1"
CH-H304620	Disconnect Stick, 1.5" x 20'1"
CH-H304611	Switch Stick, 1.25" x 4'
CH-H304612	Switch Stick, 1.25" x 6'
CH-H304613	Switch Stick, 1.25" x 8'
CH-H304614	Switch Stick, 1.25" x 10'
CH-H304617	Switch Stick, 1.25" x 12'



**Hanger**

## UNIVERSAL , SWITCH & DISCONNECT STICKS



**CH-H1760 (Universal)**



**Cap End**

CH-PST4032913	Universal Stick w/Hanger, 1.25" x 4'2"
CH-H17601	Universal Stick w/Hanger, 1.25" x 6'1"
CH-H1760	Universal Stick w/Hanger, 1.25" x 8'2"
CH-H17603	Double End Universal Stick, 1.25" x 6'3"
CH-H17604	Double End Universal Stick, 1.25" x 8'3"
CH-H176010	Double End Universal Stick, 1.25" x 10'3"
CH-H176012	Double End Universal Stick, 1.25" x 12'3"
CH-H176014	Double End Universal Stick, 1.25" x 14'3"
CH-H17908	Double End Universal Stick, 1.5" x 8'3"
CH-H179010	Double End Universal Stick, 1.5" x 10'3"
CH-H179012	Double End Universal Stick, 1.5" x 12'3"
CH-H179014	Double End Universal Stick, 1.5" x 14'3"



# SHOTGUNS



**Hastings' Shotgun Sticks** are constructed of the finest electrical grade fiberglass. Available with External or Internal Operating Rods. Hook release trigger requires deliberate action to open hook. Hanger Hook is molded to shotgun head piece. Available with heavy rubber end cap or splined Universal Head.

HA-8104	4' 6", Ext Rod
HA-8104-U	4' 6", Ext Rod, w/ Universal Head
HA-8106	6' 6", Ext Rod
HA-8106-U	6' 6", Ext Rod, w/ Universal Head
HA-8108	8' 6", Ext Rod
HA-8108-U	8' 6", Ext Rod, w/ Universal Head
HA-8110	10' 6", Ext Rod
HA-8110-U	10' 6", Ext Rod, w/ Universal Head
HA-8112	12' 6", Ext Rod
HA-8112-U	12' 6", Ext Rod, w/ Universal Head
HA-8204	4' 6", Int Rod
HA-8204-U	4' 6", Int Rod, w/ Universal Head
HA-8206	6' 6", Int Rod
HA-8206-U	6' 6", Int Rod, w/ Universal Head
HA-8208	8' 6", Int Rod
HA-8208-U	8' 6", Int Rod, w/ Universal Head
HA-8210	10' 6", Int Rod
HA-8210-U	10' 6", Int Rod, w/ Universal Head
HA-8212	12' 6", Int Rod
HA-8212-U	12' 6", Int Rod, w/ Universal Head
HA-13412	Folding, 6' 6", Ext Rod
HA-13412-U	Folding, 6' 6", Ext Rod, w/ Universal Head
HA-13413	Folding, 8' 6", Ext Rod
HA-13413-U	Folding, 8' 6", Ext Rod, w/ Universal Head
HA-13414	Folding, 10' 6", Ext Rod
HA-13414-U	Folding, 10' 6", Ext Rod, w/ Universal Head
HA-13415	Folding, 12' 6", Ext Rod
HA-13415-U	Folding, 12' 6", Ext Rod, w/ Universal Head
HA-8158	Telescopic Shotgun Stick 8', Retract Lnth 5' 1", Ext Lnth: 6' 6", 8'
HA-81611	Telescopic Shotgun Stick 11', Retract Lnth 6' 6", Ext Lnth: 8' , 9'6", 11'
HA-81-811	Telescopic Shotgun Stick 12'6", Retract Lnth 8', Ext Lnth: 9'6", 11', 12'6"



HA-8108





Courtesy of Williams Electric Co., Shelby, NC





**Chance's External Rod Grip-All clamp sticks "Shotgun Sticks"** are the most versatile tool in a line worker's hands. The Grip-All Stick puts an easy- to- control "finger" on an insulated pole. Primarily designed for installing hot-line and grounding clamps, and also serves both overhead and underground circuits with various end fittings. The operating mechanism incorporates a slanting hand grip that opens the hook to grasp a clamp eye screw and retract it into the tool head. A thumb latch then must be depressed to release the locked hand grip so it can open the hook. The Clamp Sticks are constructed from Epoxiglas® with Lexan® heads.

CH-C4030291	4' 5" X 1-1/4", Ext Rod
CH-C4030291A	4' 5" X 1-1/4", Ext Rod w/ Universal Head
CH-C4030292	6' 5-1/2" X 1-1/4", Ext Rod
CH-C4030292A	6' 5-1/2" X 1-1/4", Ext Rod w/ Universal Head
CH-C4030293	8' 5-1/2" X 1-1/4", Ext Rod
CH-C4030293A	8' 5-1/2" X 1-1/4", Ext Rod w/ Universal Head
CH-C4030294	10' 5-1/2" X 1-1/4", Ext Rod
CH-C4030294A	10' 5-1/2" X 1-1/4", Ext Rod w/ Universal Head
CH-C4030295	12' 5-1/2" X 1-1/4", Ext Rod
CH-C4030295A	12' 5-1/2" X 1-1/4", Ext Rod w/ Universal Head



**Chance Telescoping Disconnect Stick (Hot Stick)** permits linemen to perform many routine jobs from ground level. The universal end fitting on the insulated top section accepts a wide variety of attachments, so linemen can disconnect switches, replace cut out tubes and reclose, remove pole covers, prune trees and complete many other overhead tasks. The Telescoping Hot Stick comes standard with a universal disconnect head. Spring-loaded plastic buttons keep the extended tool sections securely locked in position. As each section is extended and twisted slightly, the buttons pop into place. Available in standard duty (1-1/16" dia. tip) or heavy duty (1-1/4" dia. tip). Certified to OSHA dielectric requirements and tested per ASTM. specifications.



# SHOTGUNS & TELESCOPIC DISCONNECT



CH-4030296	Folding, 6' 7", Ext Rod
CH-4030296A	Folding, 6' 7", Ext Rod, w/ Universal Head
CH-4030297	Folding, 8' 6", Ext Rod
CH-4030297A	Folding, 8' 6", Ext Rod, w/ Universal Head
CH-4030298	Folding, 10' 6", Ext Rod
CH-4030298A	Folding, 10' 6", Ext Rod, w/ Universal Head
CH-4030299	Folding, 12' 6", Ext Rod
CH-4030299A	Folding, 12' 6", Ext Rod, w/ Universal Head
CH-4030342	Folding, 14' 6", Ext Rod,
CH-4030342A	Folding, 14' 6", Ext Rod, w/ Universal Head
CH-4030343	Folding, 16' 6", Ext Rod,
CH-4030343A	Folding, 16' 6", Ext Rod, w/ Universal Head
CH-C4031035	T-scopic 8', Retract Lnth 5' 2", Ext Lnth: 5'6", 6'9", 8'
CH-C4033060	T-scopic 8', Retract Lnth 5' 2", Ext Lnth: 5'10", 7'1", 8'3" w/univ.
CH-C4031036	T-scopic 14', Retract Lnth 8' 2", Ext Lnth: 8'6", 10'4", 12'2", 14'
CH-C4033061	T-scopic 14', Retract Lnth 8' 2", Ext Lnth: 8'10", 10'8", 12'6", 14'3" w/univ.



CH-C4030293



CH-C4031023	8', Retracted Length: 56", Extended Length: 8'
CH-C4031017	12', Retracted Length: 57", Extended Length: 8', 12'
CH-C4031018	16', Retracted Length: 59", Extended Length: 12', 16'
CH-C4031019	20', Retracted Length: 61", Extended Length: 12.5', 16.5', 20'
CH-C4031020	25', Retracted Length: 63", Extended Length: 16.5', 20.5', 25'
CH-C4031021	30', Retracted Length: 65", Extended Length: 17.5', 21.5', 25.5', 30'
CH-C4031022	35', Retracted Length: 67", Extended Length: 22', 26', 30.5', 35'
CH-T4033349	40', Retracted Length: 74.5", Extended Length: 22', 28', 34', 40'

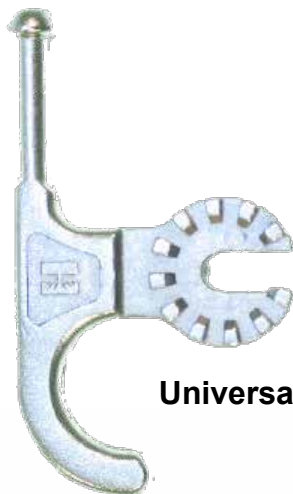


CH-C4031022

# TELESCOPIC DISCONNECT



**Hastings Tele-O-Pole Telescoping Hot Sticks** can be used with a variety of universal fittings in addition to the universal disconnect tip that is included. Sections are constructed from high density electrical grade fiberglass with laminated outer surface. Heavy-Duty designs are 1/4" larger than standard models, and provide additional stability when operating switches. All sections are 100% tested per OSHA and ASTM F-711.



Universal disconnect tip



**Hastings Tel-O-Pole II Triangular Telescoping Hot Sticks** has a foam core and offers new shape allowing each section to lock-in automatically. Unique tip section offers high visibility. Large locking buttons are easy to operate with or without rubber gloves. Universal head is constructed of strong aluminum alloy which incorporates corona discharge design and includes a captive Belleville washer to hold universal attachments securely. All sections are 100% tested per OSHA and ASTM F-711.

HA-HV-208	8', Retracted Length: 26"
HA-HV-212	12' 7", Retracted Length: 58"
HA-HV-216	16' 9", Retracted Length: 60"
HA-HV-220	21', Retracted Length: 62"



# TELESCOPIC DISCONNECT



HA-ST-225	25' w/ Tip Lock, Retracted Length: 60", Extended Lengths: 17, 21, 25'
HA-ST-230	30' w/ Tip Lock, Retracted Length: 61.625", Extended Lengths: 17, 21.5, 26, 30'
HA-ST-235	35' w/ Tip Lock, Retracted Length: 63.375", Extended Lengths: 17, 21.5, 26, 30, 35'
HA-ST-240	40' w/ Tip Lock, Retracted Length: 65.38", Extended Lengths: 22, 26, 30, 35, 40'
HA-SH-216	HD, 17' w/ Tip Lock; Retracted Length: 58.125", Extended Lengths: 9, 13, 17'
HA-SH-200	HD, 21.5' w/ Tip Lock, Retracted Length: 60", Extended Lengths: 13, 17, 21'
HA-SH-250	HD, 26' w/ Tip Lock, Retracted Length: 61.625", Extended Lengths: 13, 17, 21, 26'
HA-SH-230	HD, 30' w/ Tip Lock, Retracted Length: 63.375", Extended Lengths: 13, 17, 21, 26, 30'
HA-SH-235	HD, 35' w/ Tip Lock, Retracted Length: 63.38", Extended Lengths: 17, 21, 26, 30, 35'



HA-ST-235

HA-HV-225	25' 6", Retracted Length: 64"
HA-HV-230	30', Retracted Length: 66"
HA-HV-235	35', Retracted Length: 68"
HA-HV-240	39' 6", Retracted Length: 69"



HA-HV-208



# TELESCOPIC LAMP & MEASURING



**Hastings' Telescoping Measuring Stick** safely measure vertical heights. The lightweight construction is ideal for fast and accurate measurements of overhead lines, telephone, cable TV, highway clearance, structures, bridges, and transport carriers. As stick extends, measurement reading is displayed at top of base section for eye-level reading. Plastic hook on tip section. Red graduations marked in feet & inches. All sections are 100% tested per OSHA and ASTM F-711.

HA-E-25 Telescoping Measuring Stick, 25', 65.75" Retracted Length

HA-E-30 Telescopic Measuring Stick, 30', 65.75" Retracted Length

HA-E-35 Telescopic Measuring Stick, 35', 65.75" Retracted Length

HA-E-40 Telescoping Measuring Stick, 40', 65.75" Retracted Length

HA-E-50 Telescoping Measuring Stick, 50', 69.19" Retracted Length



HA-E-35

**Hastings' Telescoping Lamp Changers** were developed for use in the electric power field to remove elevated bulbs and broken sockets. The telescopic poles are manufactured from lightweight, reinforced, non-conductive fiberglass. Adaptable to McGill type changers and broken socket removers. Lamp changers are available for use with lamp changer poles or with a universal attachment for use with standard universal type Tel-O-Pole Sticks. All sections are 100% tested per OSHA and ASTM F-711.

HA-L-35	Telescopic Lamp Changer Pole, 36'-1" Extended Length, 64" Retracted Length
HA-151-CA	Lamp Changer Head, 100-200W
HA-152-C	Lamp Changer Head, 300-500W
HA-153-C	Lamp Changer Head, 750-1500W
HA-154-C	Lamp Changer Head, 400W T-16 Mercury Lamp
HA-161-C	Lamp Changer Head, 175W Mercury Lamp
HA-200	Lamp Changer Head, Broken Lamp Base Remover
HA-7013	Coil Spring for use w/150-AC, 154-C, 151-CA, 158-C, Lamp Changer Head



# CLAMP STICK & HOLDING TOOL



**Hastings Multi-Purpose Holding Tools** are designed for holding slack conductors during sleeving. Provides positive control for shaping and bending jumpers and buss wire. Ideal for applying factory formed tie wires, armor rods, and securing captured hardware during crimping operation. Aluminum head body with brass conductor base provides compact design while allowing a firm grip, polyurethane grip is non-conductive. Constructed of 1" woven fiberglass and manufactured resin rich to eliminate chipping and glass fiber peel. Unicellular core is self extinguishing and resistant to cleaning fluids and solvents. Available with Rigid Head or Adjustable Head (From straight to 30 degrees both sides of center). #6 1-1/16" Conductor Capacity. All sections are 100% tested per OSHA and ASTM F-711.



**HA-4604**

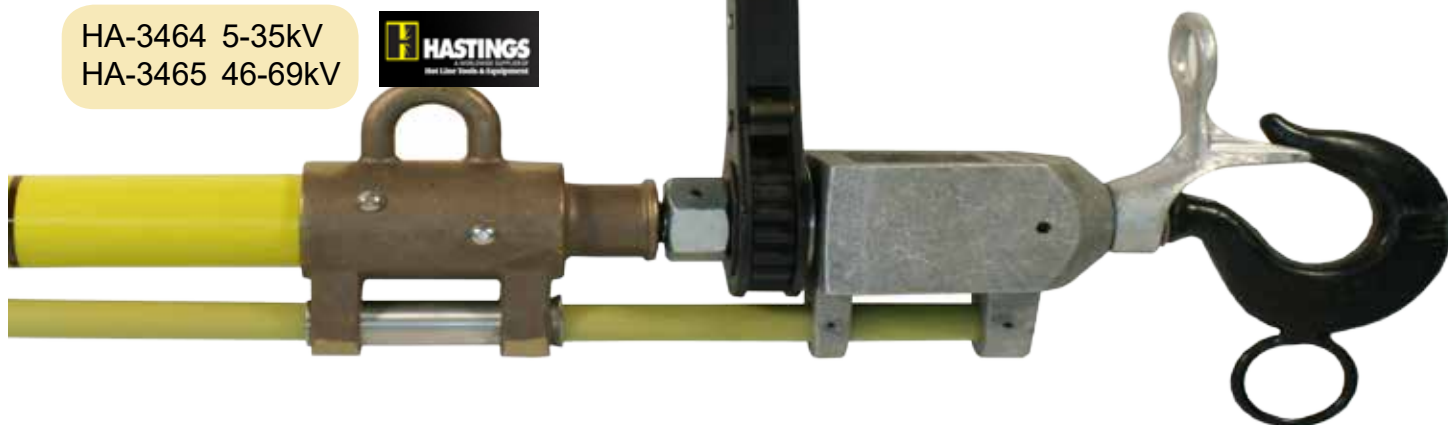
## Hastings Conductor Tensioning

**Tool** is an excellent tool for both hot stick and rubber gloving applications. It can be used for temporarily isolating sections of lines, changing out dead end insulators and line splicing. Tension tool can be installed and operated using hot sticks. Conductor hooks are stationary and have hot stick eyes and hot stick operable safety latches. Two models are available; one with 5-35KV (57"-69" working range) and another with 46-69KV(69"-84" working range) rating. Both with a 4000 lb. pulling capacity. Fiberglass components are tested for OSHA and ASTM F-711.

- HA-4600 Rigid Head, 4'
- HA-4601 Rigid Head, 6'
- HA-4602 Rigid Head, 8'
- HA-4603 Adjustable Head, 4'
- HA-4604 Adjustable Head, 6'
- HA-4605 Adjustable Head, 8'



- HA-3464 5-35kV
- HA-3465 46-69kV



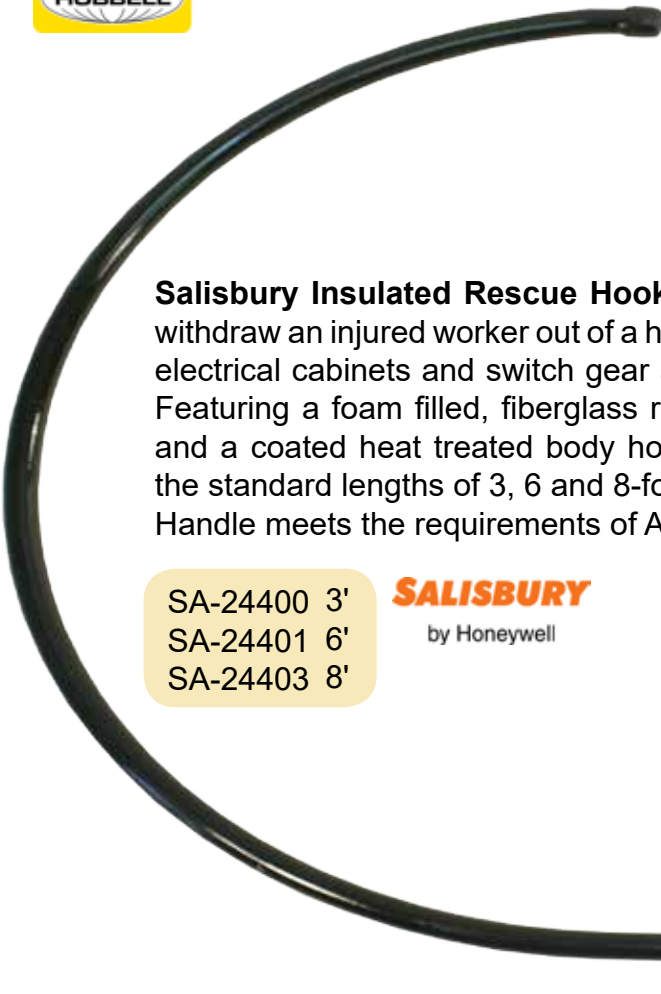
**HA-3464**

**Chance Positive Grip Clamp Stick** is constructed of Epoxiglas® and is for use on eye screw grounding or hot line clamps. Clamp stick can be mounted on the line and tightened at angles up to 30°. It has aluminum and bronze fittings. Regular length or "extra long head" for use with long eye screw ground clamps. Available with a tool hanger and a universal head or switch head on opposite end.



**CH-SPO1458**

- CH-HG30302 1.25" X 8'6" (Regular Length Head), w/ Universal Head
- CH-HG303012 1.25" X 8'6" (Extra Long Head), w/ Universal Head
- CH-SPO1458 1.25" X 8'6" (Regular Length Head), w/ Switch Head
- CH-HG30422 Clamp Stick Head (ONLY), (Regular Length)
- CH-HG30425 Clamp Stick Head (ONLY), (Extra Long)



**Salisbury Insulated Rescue Hook** is an invaluable tool for any workplace used to withdraw an injured worker out of a hazardous area. Confined spaces, in vaults, or near electrical cabinets and switch gear are some of the places where this tool is a must. Featuring a foam filled, fiberglass reinforced handle for superior electrical insulation and a coated heat treated body hook with an 18" opening. The stick is available in the standard lengths of 3, 6 and 8-foot. Other lengths are available as a special order. Handle meets the requirements of ASTM F711.

- SA-24400 3'
- SA-24401 6'
- SA-24403 8'

**SALISBURY**  
by Honeywell

**SA-24401**



# ISOLATING & SPIRAL LINKS



**Hastings Strap Hoist Isolating Links** are designed to provide extra protection when using strap hoist on primary voltages. The fiberglass links help overcome the loss of dielectric properties when the web straps become contaminated through field use. Isolating Links can be used with most strap hoists. All . 4000 lbs. load limit. Constructed of 1" diameter fiberglass with solid foam core. 100% tested per OSHA and ASTM F-711.

HA-3413	6", Swivel Eye Hook & Safety Latch Hook
HA-3414	12", Swivel Eye Hook & Safety Latch Hook
HA-3413-1	6", Swivel Eye Hook & Safety Latch Hook w/ Hot Stick Rings
HA-3414-1	12", Swivel Eye Hook & Safety Latch Hook w/ Hot Stick Rings



**HA-3414**

**Chance Hoist Link Sticks** are designed to permit hot-line work with a nylon-strap ratchet hoist. A properly applied link stick insulates the hoist from an energized conductor. The hoist link stick is a 1-1/4"-diameter Epoxiglas® pole with a steel safety latch hook, hot stick rings on one end and a butt swivel on the other. To apply the link stick, attach the hook of the stick to a wire grip using the hotstick eye to operate the hook. Complete the application by connecting the nylon-strap hoist to the link stick butt swivel and to a pole or crossarm. Rated working load: 4,000 lb.



CH-C4001175	15"
CH-C4002399	18"
CH-C4002400	24"



**CH-C4002400**

**Chance Spiral Link Sticks** are used in lieu of a strain link stick in close places where the lineman cannot safely install a strain link stick by hand. A lifting eye on the head ferrule enables the lineman to guide the Spiral Link Stick to the conductor with a hotstick. The pole of the Spiral Link Stick is made of 1-1/4" Epoxiglas®. Ferrule castings are of heat-treated aluminum alloy; spiral hook and butt ring of galvanized steel. 1510.5 Kcmil ACSR maximum conductor size. Tested per OSHA & ASTM F711.



CH-H4722	27.5"
CH-C4000812	57.5"



**CH-H4722**

**Hastings Insulated Jumper Holders** are designed to provide safety when installing and removing energized jumpers. Allows greater control with all jumpering requirements. Can be installed with all standard shotgun sticks or rubber gloves.

HA-3477 12", 6 Solid-954 ACSR  
 HA-3478 24", 6 Solid-954 ACSR  
 HA-12577 15", 4 Solid-636 ACSR



**HA-3477**



**HA-12577**

# UNIVERSAL STICK ATTACHMENTS


**TEREX®**

**Utility Solutions Disconnect Head** is used for opening and closing switches, opening and closing cutouts, etc. Bronze.


**UT-USSA-OHP**

**Chance Disconnect Head** is used for opening and closing switches, opening and closing cutouts, etc. Bronze.


**CH-C4001418**

**Chance Disconnect Head** is used for opening and closing switches, opening and closing cutouts, etc. Aluminum.


**CH-M44559**

**Hastings Disconnect Head** is used for opening and closing switches, opening and closing cutouts, etc. Equipped with extension for hanging stick from aerial structures. Aluminum.


**HA-P10431**

**Hastings Prong Disconnect** is used for opening and closing cutouts and disconnects. Bronze.


**HA-P10049**

**Hastings Disconnect Head (NEMA)** is designed for opening and closing switches, etc. Constructed from high strength aluminum-manganese alloy.


**HA-P10041**

**Hastings Pointed Disconnect** is used for opening and closing cutouts and disconnects found primarily in Southern United States. Aluminum.


**HA-P10047**

**Hastings Pigtail Disconnect** gives positive engagement when pulling disconnects and cutouts. Constructed of bronze.


**HA-A10042**

**Hastings High Visibility Pigtail Disconnect** allows operator to gauge distances and gives positive engagement when pulling disconnects and cutouts. Constructed of bronze.



**HA-A10111**



**Chance Hot Rodder Tool** is ideal for applying line ties and other formed wire products on energized lines. The smaller unit (CH-C4031071) is particularly adaptable to Super Top-Ties. The loop-type work end permits rotational control, which is difficult with conventional time tools.

**CH-C4031071** - 1 3/4 inch Loop  
**CH-C4030834** - 3 inch Loop



**Reliable Disconnect Fuse Hook** gives positive engagement when pulling fuse cutouts. Constructed of bronze.



**RL-REL-DFH**



**Chance Fixed Tie Stick Head** is for manipulating tie wires with or without looped ends. The sharp V-notched blade gets into tight places to pry tie wires loose. The head is set at 60° angle from the pole when attached, for ease of operation.



**CH-M445540**



**Hastings "S" Hook** is used for handling fallen wires and removing debris from lines. Constructed of brass.



**HA-P10046**



**Hastings Blade Tie Head** is designed for tie wires without looped ends.



**HA-P10056**



**Hastings Armor Rod Applicator "Wedding Ring Attachment"** is designed to facilitate application and removal of factory formed conductor ties and armor rods.



**HA-10-096**





# UNIVERSAL STICK ATTACHMENTS



**Chance Rotary Blade Tie Stick Head** is for manipulating tie wires with or without looped ends. The heat treated aluminum alloy body design permits a swivel action. Wire is wrapped or unwrapped without turning universal pole. A "V" notched carbon steel blade grasps tie wire securely.



CH-M445570



**Hastings Rotary Blade Tie Stick Head** has self-aligning swivel action for removal of ties without looped ends.



HA-A10021

**Chance Rotary Prong Tie Stick Head** is for placing insulator ties with looped ends. Prong swivels freely, permitting a full turn on the tie wire, without releasing contact. This minimizes the possibility of kinking or burning the wires. Heat treated aluminum alloy body.



CH-M445569



**Hastings Rotary Prong Tie Stick Head** is self-aligning, swivels freely, and is used for looped end tie wire.



HA-A10020

**Chance Utility Head** has a gator-like shape and is designed for placing and removing blocks, slings, circuit breakers, line hooks, and strain breakers.



CH-C4031417



**Chance Tie Wire Claw** easily and neatly applies tie wires, both factory-formed and field-formed. Claw controls wire with grip equal to pliers, permits securely wrapping tight coils onto conductor.



CH-C4031416

**Hastings Locking Pin** is used for lining up joints on clevis-type suspension insulators and on hardware preparatory to replacing pins.



HA-5455-15



**Chance Locating Pin** is used as a drift pin in aligning bolt holes as an aid in bolt and pin insertions. It is recommended for making hardware connections on tower transmission lines and line dead ends where aligning or hardware fitting is difficult.



CH-M445515

**Chance Snapout Cotter Key Remover** utilizes a hammer like action which makes it easy for pulling out stuck cotter keys. Release of the compression spring, by a quick jerk of the pole, deals the cotter key a hammer blow without disengaging the eye.



**Chance Cotter Key Tool** is used for ball and socket insulator couplings. This tool is used to push the key back into position.



**Chance Cotter Key Puller** is used to partially withdraw a ball-cotter key, so that the insulator can be removed from another insulator hanger. This puller, with its thin prong, is preferred for prying out standard keys deeply set on long insulator



**Hastings Cotter Key Pusher** is used for transmission insulator strings. Pushes legs on cotter key partially out of socket so ball can be disconnected. Slot can face to either side or rear.



**Hastings Cotter Key Replacer-Puller** is used for 1/8" Cotter Keys in clevis pins of distribution hardware.



**Chance Cotter Key Tool** is used for ball and socket insulator couplings. This tool is used to push the cotter key into position where great force is required. The Cotter Key Tool enters the socket and is most effective to force the key out.



**Chance Clevis Pin Installer** is designed for use on EHV hardware and insulators where the pin must be placed in semi-recessed areas. The 3 finger device is spring-loaded with cadmium-plated music wire for positive grip.



**Hastings Cotter Key Puller** is used for 3/16" cotter keys on clevis type fittings. Replacer is spring loaded.



# UNIVERSAL STICK ATTACHMENTS



**Chance All-Purpose Cotter Key Tool** is for pulling and replacing hump-type cotter keys. Particularly suitable for use on clevis pins and ball socket insulators. Easy guiding of cotter key provided by contoured slot and raised eye pin.

**CH-M445582**



**Chance Bolt Head Wrench** is used on 3/4" and 5/8" dia. bolt heads to keep bolt from turning as nut is being tightened. Extremely useful on rural ridge pin type construction. The outer edges on the wrench are tapered, so that they can be wedged between flanges on channel and bolt head to keep bolt turning.



**CH-M445588**

**Chance Ball Socket Adjuster** is used on heavy socket clevises particularly where aluminum suspension and dead-end clamps are attached to ball and socket insulators.

**CH-M445587**



**Chance Adjustable Insulator Forks** are designed to grasp 9" and 10" disk insulators used in dead-end construction, will raise most pin type insulators up to 15 lbs. Fiber jaws open and close by rotating screws.



**CH-M445567**

**Chance Knocker** is designed to knock out and pull the cotter keys on fog-type insulators. The Knocker Tool is spring assisted for greater impact in restricted space and under adverse working conditions. The Knocker has a standard universal fitting at one end and a universal fitting with wing nut on the other to receive cotter key tools.

**CH-C4030011**



**Hastings Ball Socket Adjuster** is used for supporting and aligning ball socket adapter between ball fitting on disc insulator and clevis fitting on suspension or strain clamp.



**HA-5455-29**

**Hastings Universal Ball Socket Fork** is used for aligning and holding ball socket fittings for removal of cotter pin.



**HA-5454-2**



**Hastings Insulator Fork** clamps around 10" disc insulator between porcelain and cap for removing single unit or holding insulator in alignment as cotter key is replaced.



**HA-5455-1**

**Chance Shepherd Hook** is designed for pulling and lifting insulator strings. Swivel action permits it to rotate and maintain its alignment, with the insulator at all times. Heat treated aluminum alloy.



**CH-M445539**

**Chance Universal Fuse Puller** may be preset to any position desired and locked there by tightening the wing nut. A spring assembly also permits the tool to be preset without locking, so that it will align with the fuse during the pulling operation. The fuse puller is opened and closed by turning the pole. Jaws are plastisol covered.

**CH-M445577** - 1/2 " - 1 1/2" Fuses

**CH-M445578** - 1 1/2 " - 2 1/2" Fuses



**Hastings Shepherd Hook** fits around caps of suspension insulators for aid in controlling strain or suspension strings being removed.



**HA-5455-31**

**Chance All-Angle Pliers** are designed to grasp from any angle, and tighten by clockwise rotation of the universal tool handle. The jaws are held firmly in position with a wing nut. Used as a holding device for retaining bolt heads and loose hardware, adjusting arcing horns, replacing cotter keys, etc.



**CH-C4030177**

**Hastings Universal Bolt Holder** used for replacing pins on clevis type hardware. Jaw is spring actuated.



**HA-5455-2**

**Hastings Wire Tong Head** is for light work such as holding jumpers clear of work area. Maximum conductor 1-3/8" dia.



**HA-A10023**



# UNIVERSAL STICK ATTACHMENTS


**TEREX®**

The **HD Electric Fuse Tool** is designed to assist in the installation and removal of most cutout type overhead fuse links. The Fuse Tool provides greater control of the fuse link during installation and removal. By using the Fuse Tool, line crews are able to quickly and safely remove and install most cutout type overhead fuse links found in overhead distribution systems.


**HD-FT-1**

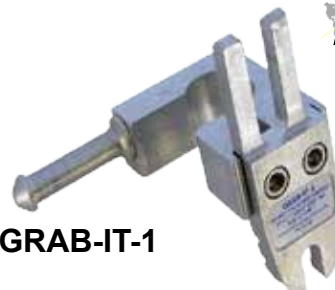
**Chance Universal Cutout Tool** is a 4-in-1 tool used as 100 amp fuse holders and electronic sectionalizer. Works on major brand of cutouts for easy lift out, placement, and opening and closing operations. Holds fuse holder in inverted position, more secure method than a disconnect prong.


**CH-PSC4033484**

**Chance Ratchet Wrench** is used for tightening bolts in substation equipment, and hardware bolt on transmission and distribution lines, etc. Equipped with a 1/2" square drive.


**CH-M44556**

**Utility Solutions Universal Grab-It Fuse Tool** is designed to safely remove or install overhead fuse tube barrels. The machined design allows for a positive grip on the fuse regardless of conditions. Available in 100 amp, 200 amp and SMU-20 fuse sizes.


**UT-GRAB-IT-1**

**Hastings Flexible Socket Wrench** has a 1/2" square drive head. Used with standard wrench sockets.


**HA-5455-46**

**Chance Flexible Socket Wrench** has a 1/2" square drive head. Flexible Wrench Head is made to fit standard wrench sockets. Flexibility permits use at various angles.


**CH-M445546**

**Hastings Ratchet Wrench** has a 1/2" square drive for use with standard wrench sockets. (Reversible Ratchet)


**HA-5455-6**

**Chance Hammer** is used for many operations around energized conductors, such as moving conductors, moving suspension clamps, and pieces of hardware requiring a forceful blow.



**CH-M445585**



**Hastings Ball Peen Hammer** is used for light impact around energized equipment. Made of silicone bronze.



**HA-5454-3**



**Hastings Screwdriver** is used for tightening and loosening screws. 3/8"W bit.

**HA-5455-28**



**Chance Folding Rule** is adaptable to many uses. It is particularly suited for obtaining measurements near live conductors in congested areas.



**CH-M445516**

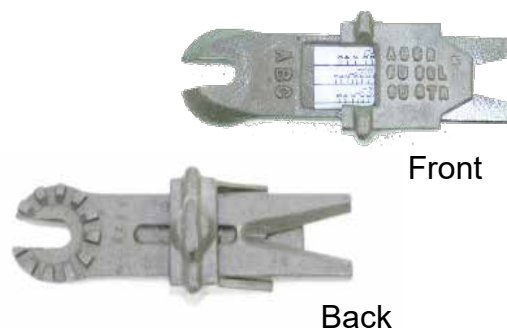
**Chance Linemen's Ratchet Wrench** is for tightening square nuts on 5/8" pole line hardware. The open box allows long bolts to run through the center. The long socket permits wrench handles to swing pass cross arm, when tightening top ridge pin nut.

**CH-M445589**



**Chance Conductor Gauge** is used to make a quick accurate check on the gauge of ACSR, solid or stranded copper conductors. The range is #4 Cu. through 4/0 ACSR.

**CH-M445572**



Front

Back

# UNIVERSAL STICK ATTACHMENTS



**The De-Viner Claw** allows vegetation to quickly be removed from any utility Structure. Can also be used to remove nests or fallen lines.



ST-DV-1

**Chance Inspection Mirror** enables the operator to inspect insulators, switch bases, and other equipment which is difficult to see without coming in contact with energized conductors.



CH-M445538

**Hastings Tree Saw Handle** adapts to universal pruning saw (HA-A11000) for use as a hand saw. Light weight aluminum handle with thumb screw for attaching to saw blade.



HA-A10016

**Chance Aerosol Can Holder** is designed to apply aerosol products such as, G.E. Insuljel to insulators or insecticides to bee and wasp nests on poles and cross arms. Also useful in applying paint, lubricant, etc., to hard-to-reach places. The Aerosol Can Holder can be applied by pulling the rope on the tool, a prong reaches out to depress the nozzle.

CH-C4032270



**Chance Skinning Knife** is for cutting or scraping insulation, cleaning conductors, etc., prior to making splices. Its use with a universal pole permits work near energized lines.



CH-M445550



**Hastings Tree Saw** has a 16" curved steel blade. Adapts to all pole trimmer assemblies and hot sticks with universal heads. Can be converted for use as a hand saw by attaching universal pruning saw handle (HA-A10016).



**TEREX®**

# UNIVERSAL STICK ATTACHMENTS

**Jameson Tree Saw Attachment** will allow many standard tree saw blades to be attached to the universal attachment and therefore utilized on any standard NEMA pole system.

**JAMESON****JA-SB-UC**

**Chance Chuck Blank** allows for screw drivers, hack saws, and other tools to be inserted in this device and secured in place by soldering. (Also available with wing nut

**CH-M445537**

**Chance Universal Adapter** has (2) universal fittings mounted perpendicular (90 degrees) to each other. When any universal tool is mounted to a universal stick the tool can be set at almost any angle to the stick. This adapter is useful for working in confined spaces.

**CH-M445584**

**Hastings Shotgun Tool Adapter** adapts shotgun sticks to universal attachments. Constructed of bronze alloy.

**HA-A10019**

**Salisbury Universal Threaded Adapter** has a 5/8"-11 internal thread which allows any male threaded tool or hardware to be inserted into the universal attachment.

**SA-3403****SALISBURY**

by Honeywell



**Chance Chuck Blank** allows for screw drivers, hack saws, and other tools to be inserted in this device and secured in place by soldering. (Also available with wing nut attachment)

**CH-M445510**

**Hastings 90 Degree Adapter** will allow fittings to be set at almost any angle to the stick.

**HA-5454-6**

**Salisbury Universal Shotgun (Clampstick) Adapter** allows for any clampstick "Shotgun" to be converted to a universal head attachment to accept any NEMA tool to be used with the clampstick. The adapter secures in the clampstick hook and head housing.

**SA-2500****SALISBURY**

by Honeywell





# UNIVERSAL STICK ATTACHMENTS



**Chance "Positive Grip" Clamp Stick Head** is for use with eye screw grounding clamps. The 6" head is for long eye screw grounding clamps.



**CH-M445529B**



**Chance Universal Conductor Cleaning Brush** has a V-position design to allow for a 2-sided cleaning action. The brushes can be turned or replaced with wear. Replacement Brushes (CH-M1899) available in box of 10.

**Chance Replacement Conductor Brushes, Bx/10**

CH-M445563  
CH-M1899



**CH-M445563**

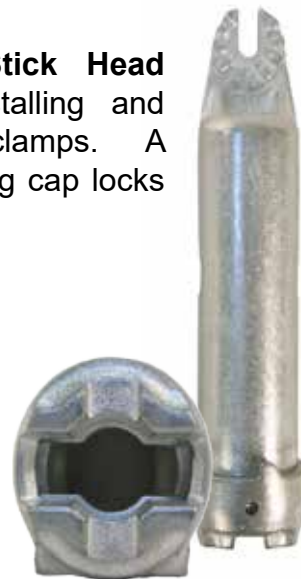


**CH-M1899**

**Hastings Clamp Stick Head** is designed for installing and removing hot line clamps. A quarter-turn of rotating cap locks tool on screw eye.



**HA-A10022**



**Hastings Universal Conductor Cleaning Brush** has a V-position design to allow for a 2-sided cleaning action. The brushes can be turned or replaced with wear. Replacement Brushes (HA-179) available in box of 10.

**Hastings Replacement Conductor Brushes, Bx/10**

HA-10-179



**HA-10-180**



**HA-10-179**

**TEREX®**

# UNIVERSAL STICK ATTACHMENTS

**Hastings Lamp Changers** were developed for use in the electric power field to remove elevated bulbs. Adaptable to McGill type changers.

- HA-151ACA Universal Lamp Changer, 100-200W
- HA-152-AC Universal Lamp Changer, 300-500W
- HA-153-AC Universal Lamp Changer, 750-1500W
- HA-154-AC Universal Lamp Changer, 400W T-16 Mercury Lamp
- HA-161-AC Universal Lamp Changer, 175W Mercury Lamp

**HA-151ACA**

**Hastings Broken Lamp Base Remover** developed for use in the electric power field to remove broken sockets. Adaptable to McGill type broken sockets.

- HA-200-A Universal Broken Lamp Base Remover

**HA-200-A**

**SafetyTest Bulb Biter** is designed to change out large utility bulbs. Apply Bulb Biter to universal hot stick with a built in universal hot stick adapter, raise and position around bulb, screw out old bulb. (Bulb stays in the Bulb Biter). Lower and remove old bulb and replace with new bulb.

- ST-BB Universal Bulb Biter

**ST-BB**

# STICK ACCESSORIES

**Hastings' Disconnect Heads (NEMA)** are designed for opening and closing switches, etc. Constructed from high strength manganese bronze for attaching to insulated sticks.

HA-P10037

HA-P10038

Disconnect (NEMA) Head, 1-1/4" dia. Sticks

Disconnect (NEMA) Head, 1-1/2" dia. Sticks



HA-P10038



**Hastings' Switch Heads (NEMA)** are constructed from high strength manganese bronze for attaching to insulated sticks.

Switch (NEMA) Head, 1-1/4" dia. Sticks



HA-P10036



**Hastings' Universal Head** for attaching to insulated sticks.

HA-A10017 Universal Head, 1-1/4" dia. Sticks

HA-A10018 Universal Head, 1-1/2" dia. Sticks



HA-A10018



**Hastings' Hot Stick Hand Guards** are for use on all hot sticks, including shotgun sticks. Molded from non-conductive "delrin". Split sleeve design for quick attachments and adjustments. Red color for safety is molded throughout, will not chip or peel.

HA-A30002

HA-A30003



**Hastings Hot Stick Hanger** is constructed with bronze hook and a stainless steel clamp for attaching to 1-1/4" & 1-1/2" dia. sticks.

HA-A10009 Hot Stick Hanger



HA-A10009



HA-A30002

**Hastings Hot Stick Base Caps** are constructed of heavy rubber with outer gripping design.

Female Base Cap, 1-1/4"

Female Base Cap, 1-1/2"

**Salisbury Hot Stick Holder** can be permanently mounted to secure hot sticks to trailers, compartments and tool rooms.

SA-1192 Hot Stick Holder Bracket



SA-1192



HA-A18007





## STICK ACCESSORIES

**Hastings Hold Card Tagging Tool** is manufactured from dielectric thermoplastic safety yellow material and can be installed on all models of shotgun sticks.

HA-1000  
Hold Card Tagging Tool



HA-1000

**Salisbury Hold Card Tagging Device** is manufactured from molded orange Salcor®. It is used to tag opened disconnect switches. It allows "Hold" cards to be placed on the circuit and fits over the heads of typical switch hot sticks.

**SALISBURY**

by Honeywell

SA-TD Hold Card Tagging Device



SA-TD

**Hastings' Weather Proof Card Holder** is made with bright red vinyl one side and clear vinyl plastic on the other side. Holder will keep hold cards dry, velcro closure at bottom and nylon strap with snap closure for attachment to tagging tool.

HA-13320 Weather Proof Card Holder



HA-13320

**Hastings Hold Card Tagging Clamp** provides a positive means of attaching a warning flag to an open switch or line. Easily installed with use of typical shotgun stick.

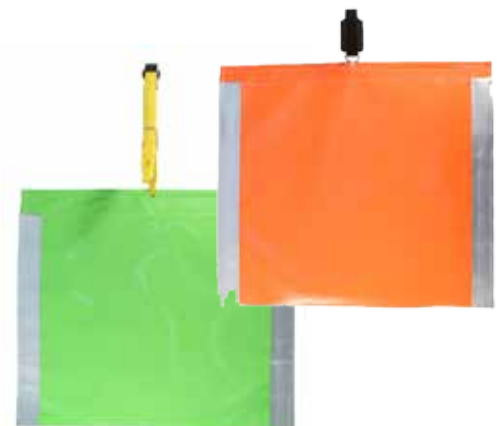
HA-9638  
Hold Card Tagging Clamp



HA-9638

**SafetyTest Warning Flags** are constructed of fluorescent green or orange with reflective tape identification on all four sides. The warning flags are available with velcro attachment or nylon clamp pins that can be easily attached using a typical shotgun stick. Flags can also be logoed with custom identifications.

- ST-WF-VG Warning Flag; Velcro, Fluorescent Green
- ST-WF-VO Warning Flag; Velcro, Fluorescent Orange
- ST-WF-CG Warning Flag; Nylon Clamp, Fluorescent Green
- ST-WF-CO Warning Flag; Nylon Clamp, Fluorescent Orange





# STICK CLEANING & REPAIR



HA-10-169

**Hastings Fiberglass Cleaner** is excellent for hot sticks, aerial booms, aerial buckets, and any electrical insulated equipment. Cleaner is non-alkali, non-toxic, non-acid, non-flammable, biodegradable and gentle to the skin. Can be applied with a soft cloth, sponge, or spray dispenser. Available Pre-mixed or Concentrate.

- HA-10-169 Fiberglass Cleaner, 1 Gallon
- HA-10-172 Fiberglass Cleaner, 1 Case/6 Gallons
- HA-10-168 Fiberglass Cleaner Concentrate, 1 Gallon
- HA-10-194 Fiberglass Cleaner Concentrate, 1 Case/6 Gallons



HA-10-091

**Hastings Fiberglass Wax** is a specially formulated high grade carnauba wax designed for hot sticks, aerial lift booms, and aerial lift buckets. Properly applied, the wax will produce a hard tack-free weather resistant surface which is resistant to temperatures and weather extremes. Wax may be applied by hand and hand polished, however, machine polished is recommended due to high carnauba wax content.

- HA-10-091 Fiberglass Wax, 14 oz. Can
- HA-091-1 Fiberglass Wax, 1/2 Case (6) 14 oz. Cans
- HA-091-2 Fiberglass Wax, 1 Case (12) 14 oz. Cans



HA-10-188

**Hastings Hot Stick Wipes** removes contaminants such as dirt, oils, creosote, and other undesirable matter. Excellent for daily wiping of your hot sticks prior to use. The hot stick wipe is individually packaged and leaves a silicone moisture barrier which enables water to "bead up" which eliminates the "blanket effect" when using hot sticks in wet conditions. 50 wipes conveniently packaged in a heavy duty cardboard dispenser.

- HA-10-188 Hot Stick Wipes; 50 count Dispenser



CH-C4002538

**Chance Moisture Eater II Epoxiglas® Cleaner** is designed for hotline tools, line hose, and blankets. The solvent is citrus based and is biodegradable.

- CH-C4002364 Moisture Eater II, 1 Gallon
- CH-C4002538 Moisture Eater II Wipes, (1) Box/ (50) Wipes



**Rainbow Fiberglass Protective Coating** is a clear acrylic protective coating for all wooden and fiberglass products. Protects ladders and other assemblies against decaying, cracking, chipping, fading, and flaking caused by the weather. Fast-drying, non-conductive coating. Easy-to-use aerosol formula; no brush required. May be used on hot sticks. NEETRAC tested to industry standards for FRP (Fiberglass Reinforced Plastic) tools.

RA-4621 Fiberglass Protective Coating, 12 oz. Aerosol Can



RA-4621

**Chance Epoxiglas® Bond Patching Kit** can be used to repair small surface ruptures on Epoxiglas® Hot Sticks, to install new ferrules on Epoxiglas® poles, or to assist in replacing rungs on Epoxiglas® Ladders. The kit consists of a tube of hardener and a tube of resin that are mixed immediately before repairs are made. A mixing stick is included, that can also be used to place the bond in the area to be repaired. Epoxiglas® Bond contains the same orange color as used in ® poles. Small surface ruptures can be repaired by removing damaged fibers, cleaning the void with Moisture Eater II cleaner-solvent and then applying Epoxiglas® Bond.

CH-H1917 Epoxiglas® Bond Patching



CH-H1917

**Hastings Epoxy Adhesive Kit** is a general purpose non-sag, high viscosity, 2-part adhesive specially formulated for difficult bonding applications where high performance is required. The epoxy adhesive is excellent for hot line tool construction and repair. Provides excellent adhesion to plastics, fiberglass, metal, wood, concrete and other surfaces. The safety yellow epoxy is the same material used in the construction of Hastings' fiberglass tools.

HA-10-097-1 Epoxy Adhesive Kit; Quart, (2) Pint System



HA-10-097-1

# CONDUCTOR EXTENSION ARMS



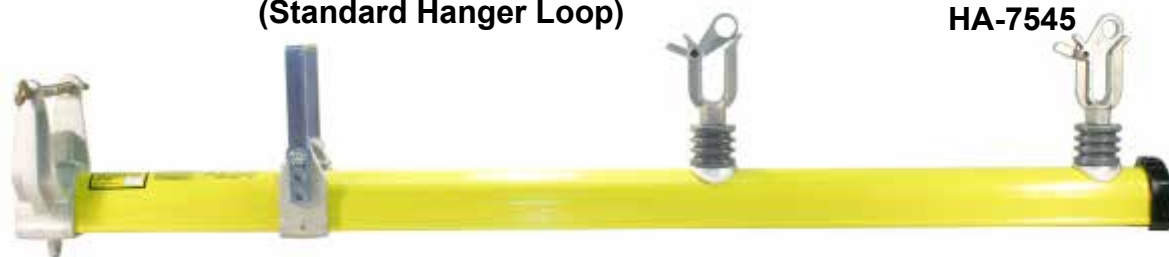
**Hastings Super 'U' Arm Extensions** are designed with a 'U' Shape for greater strength and durability. The support arms are designed for use as a temporary aid in reconductoring existing lines and insulator replacements, or as an aid for moving out conductors to obtain working clearance in congested areas. All arms include insulated conductor holders. Arms are rated for 34.5 kV phase to phase work applications. Standard conductor holders will accommodate Wire up to 1-1/16" (800 MCM). Large capacity conductor holders with a gate opening of 2-5/8" can accommodate conductors within a line hose. All Super 'U' Arms are load rated for 200 lbs.. per wire (conductor) holder. Available with large hanger loop for use on systems with larger cross arms. 100% electrically tested per OSHA and ASTM F-711.



HA-7545	2 Conductor Holders; Std, Fits 4-1/4" x 6-3/4" Arm
HA-7546	2 Conductor Holders; Std, w/ Large Hanger Loop (Fits 6" x 6" Arm)
HA-7547	1 Conductor Holder; Std, Fits 4-1/4" x 6-3/4" Arm
HA-7548	1 Conductor Holder; Std, w/ Large Hanger Loop (Fits 6" x 6" Arm)
HA-7553	2 Conductor Holders; Large Capacity, Fits 4-1/4" x 6-3/4" Arm
HA-7549	Std Hanger Loop; Fits 4-1/4" x 6-3/4" Arm
HA-7550	Large Hanger Loop; Fits 6" x 6" Arm

(Standard Hanger Loop)

HA-7545



**Chance Fiberglass Extension Arms** are constructed of Epoxiglas®. The extension arms are designed for use on voltages up to and including 15 kV where reconductoring or insulator replacement is necessary. The Epoxiglas® Extension Arms can be used on voltages up to 34.5 kV providing the wireholders are fitted with M48057 insulators. The Extension Arms are suspended under the crossarm by brackets to enable the conductor to be removed from the original crossarm and placed in the wireholder mounted on the extension arm. Standard extension arms (2-1/2" X 6') and conductor holders have a maximum verticle loading of 150 lbs. per holder. Heavy Duty extension arms (3" X 6') and conductor holders have a maximum verticle loading of 150 lbs. per holder. Tested per OSHA & ASTM F711.

CH-H480060	1 Conductor Holder; Std, Fits 3-3/4" x 4-3/4" Arm
CH-H480072	2 Conductor Holders; Std, Fits 4-1/4" x 6-3/4" Arm
CH-T4032417	2 Conductor Holders; Std, w/ Large Hanger Loop (Fits 6" x 6" Arm)
CH-C4001310	2 Conductor Holders; Heavy Duty, w/ Large Hanger Loop (Fits 6" x 6" Arm)



CH-T4032417



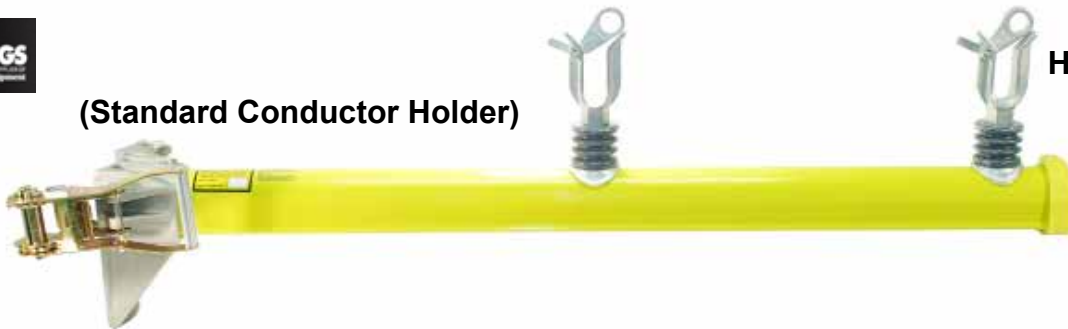
**Hastings Pole Mounted Super 'U' Conductor Support Arms** are designed with a 'U' shape for greater strength and durability. The support arms are designed for use as a temporary aid in reconductoring existing lines and insulator replacements, or as an aid for moving out conductors to obtain working clearance in congested areas. Unique FRP laminates resist weathering. All arms include insulated conductor holders. Arms are rated for 34.5 kV phase-to-phase work applications. All Super 'U' Arms are load rated for 200 lbs.. per wire (conductor) holder. Available with ratchet binder and nylon strap or chain type binder systems. 100% electrically tested per OSHA and ASTM F-711.

- HA-5045 1 Conductor Holder; 34-3/4" Length, Ratchet Binder
- HA-5047 2 Conductor Holders; 49-7/8" Length, Ratchet Binder
- HA-5046 1 Conductor Holder; 34-3/4" Length, Chain Binder
- HA-5048 2 Conductor Holders; 49-7/8" Length, Chain Binder
- HA-7551 Standard Super 'U' Conductor Holder
- HA-7552 Large Capacity Super 'U' Conductor Holder

**HA-7552**



**(Standard Conductor Holder)**



**HA-5045**

**Hastings Pole Mounted Conductor Support Arms** are designed for temporary support of conductors up to 1-1/16" OD. Ideal for reconductoring single phase and three phase armless construction. Also provides an excellent means of cross arm support when changing cross arms, hardware and performing routine maintenance. Constructed of 2-1/2" OD foam filled fiberglass. Recommended safe working load is 150 lbs. for double conductor holder arms and 200 lbs. for single conductor holder arms. Arms are rated for 15kV or 34.5 kV phase to phase work applications. Available with ratchet binder and nylon strap or chain type binder systems. All sections are 100% tested per OSHA and ASTM F-711.

- HA-5038 1 Conductor Holder; 15kV, 34" Length, Ratchet Binder
- HA-5039 1 Conductor Holder; 34.5kV, 34" Length, Ratchet Binder
- HA-5040 2 Conductor Holder; 15kV, 48-1/2" Length, Ratchet Binder
- HA-5041 2 Conductor Holder; 34.5kV, 48-1/2" Length, Ratchet Binder
- HA-5018 1 Conductor Holder; 15kV, 34" Length, Chain Binder
- HA-5019 1 Conductor Holder; 34.5kV, 34" Length, Chain Binder
- HA-5020 2 Conductor Holder; 15kV, 48-1/2" Length, Chain Binder
- HA-5021 2 Conductor Holder; 34.5kV, 48-1/2" Length, Chain Binder



**HA-5038**



# TEMPORARY CROSS ARMS



**Hastings Temporary Cross Arms** are an excellent tool for changing cross arms. Solid fiberglass arms provide maximum strength and are rated for 34.5 kV. Two piece assembly for easy installation. Mounting base has machined slots to accept arm bolts and includes a ratchet-strap assembly. Captive bolts and washers on arm assembly enable the arm to be mounted onto the mounting base without requiring tools. Recommended safe working load is 150 lbs. per side. Standard conductor holder will accept conductors up to 1-1/16" OD. Available with large capacity conductor holders which have an opening of 2-5/8" and will accommodate a conductor within a line hose.

HA-5051	2 Standard Conductor Holders, 64"
HA-5053	2 Large Capacity Conductor Holders, 64"
HA-5054	3 Standard Conductor Holders, 86.5"
HA-5055	3 Large Capacity Conductor Holders, 86.5"
HA-A1000	Standard Conductor Holder w/ Insulator
HA-A10039	Large Capacity Conductor Holder w/ Insulator
HA-A30008	Insulator; 34.5kV



**Hastings Temporary Dead End Arm** enables a line crew to reposition conductors off an existing dead end arm to gain working clearance for reconductoring and terminating the new conductors. Arms are constructed from 3" diameter fiberglass with a foam core to meet most load requirements for temporary dead ends. The dead end arm load rating has a total working load limit of 500 lbs. per position or 1000 lbs. total working load limit. Arms have 2 bushed holes with 18" spacing to accommodate 5/8" diameter hardware bolts for dead ends. Two aluminum sleeves are installed to prevent wear on fiberglass arm. Steel mounting brackets have multiple holes for adjustment to various arm sizes. Arms can be installed on top or bottom of existing cross arms. Two styles are available; Butt Swivel Eye for dead ending a single phase tap line or a Three-Way Aluminum Alloy Equipment Mounting Bracket for mounting a cutout, lighting arrester and dead ending a tap line. When utilizing the Butt Swivel or the Equipment Mounting Bracket for temporary hanging of a tap line; "only" slack spans are recommended with loads "not to exceed" 150 lbs., providing that the dead end arm is being held captive on the cross arm.

HA-7674	3way Bracket, Height Adj: 4-5/8", 4-7/8", 6-1/8", Width Adj: 3-7/8", 5", 6-1/8"
HA-7675	Butt Swivel, Height Adj: 4-5/8", 4-7/8", 6-1/8", Width Adj: 3-7/8", 5", 6-1/8"
HA-7676	3way Bracket, Height Adj: 4-5/8", 4-7/8", 6-1/8", Width Adj: 6-1/8", 7-1/4", 8-3/8"
HA-7677	Butt Swivel, Height Adj: 4-5/8", 4-7/8", 6-1/8", Width Adj: 6-1/8", 7-1/4", 8-3/8"
HA-11016	Conductor Holder for Temporary Dead End Arms, 3" dia. OD Arms



**HA-7675**



**HA-7675-end**



**HA-7674-end**

## TEMPORARY CUTOUT &amp; BYPASS TOOLS



CH-PSC6010342



**Chance's Temporary Cutout Tool** provides fuse protection during liveline maintenance. The cutout tool clamps onto primary conductor with a clamp stick/shotgun. The brass stud at lower end accepts clamp on temporary tap jumper. Insulated bushing and hot parts are from Chance Type C-Polymer Cutouts: upper contact with integral sleet shield and hooks for operation by load break tool and lower trunnion of cast bronze. Fuse tube should be fitted with fuse length rated no larger than 100 amps. Available for 15kV and 27kV systems. Optional with or without pivot-lever closing device. Pivot-lever permits closing by hookstick from side opposite the fuse tube.

- CH-PSC6010341 Cutout Tool, 15kV
- CH-PSC6010342 Cutout Tool, 25kV
- CH-PSC6010345 Cutout Tool, 15kV, w/Pivot-lever
- CH-PSC6010346 Cutout Tool, 25kV, w/Pivot-lever



UT-USJJ-001

**Utility Solutions patented Jack Jumper™ Cutout Tool** permits a safe and quick method to temporarily bypass an overhead cutout without the tedious use of bulky jumper cables. The tool is indispensable for fuse coordination tasks and permits easy bypass of an underground dip. The Jack Jumper™ Cutout Bypass Tool saves time and money, eliminates risk of service interruption and prevents accidental cross phasing. All Jack Jumper™ Cutout Bypass Tools are rated at 100 AMP. Installation and removal is done with a shotgun stick.

- UT-USJJ-001 15kV, 100 Amp.
- UT-USJJ-002 27kV, 100 Amp.
- UT-USJJ-003 15kV ABB Loadbreak Cutout
- UT-USJJ-004 15kV Chance Loadbreak Cutout
- UT-USJJ-005 38kV Cutout & S&C SMD-20 15kV Power Fuse
- UT-USJJ-006 Fuse
- UT-USJJ-007 S&C SMD-20 38kV Power Fuse
- UT-USJJ-008 S&C SMD-20 27kV Power Fuse
- UT-USJJ-009 27kV Chance Loadbreak Cutout
- 27kV ABB Loadbreak Cutout



**Utility Solutions Load-Ranger® XLT Load Break Tools** are the lightest portable loadbreak tools available. Incorporates a unique side located reset button which allows full tool reset without glove removal and high metal-to-metal clearance during operation to minimize flashover potential. Available in two operational voltage ranges: XLT-1 has a 27kV maximum and the XLT-2 has a 27kV nominal to 38kV maximum voltage range. Both units have a 900 amp maximum loadbreak rating. Load Break is available with or without break counter.

UT-USLR-XLT-1-H	XLT-1, 27kV Max., w/Counter & Hard Case
UT-USLR-XLT-1-S	XLT-1, 27kV Max., w/Counter & Soft Case
UT-USLR-XLT-1-NC-H	XLT-1, 27kV Max., No Counter, Hard Case
UT-USLR-XLT-1-NC-S	XLT-1, 27kV Max., No Counter, Soft Case
UT-USLR-XLT-2-H	XLT-2, 38kV Max., w/Counter & Hard Case
UT-USLR-XLT-2-S	XLT-2, 38kV Max., w/Counter & Soft Case
UT-USLR-XLT-2-NC-H	XLT-2, 38kV Max., No Counter, Hard Case
UT-USLR-XLT-2-NC-S	XLT-2, 38kV Max., No Counter, Soft Case



**UT-USLR-XLT-1**



**SC-5300R3**



**S&C Electric Company's Loadbusters** are the original lightweight, easy-to-use portable loadbreak tool for use with disconnects, cutouts, power fuses, and fuse limiters. It brings load-switching capability through 34.5 kV and 600 amperes nominal, 900 amperes maximum to your overhead distribution system. Loadbuster cuts installation and operation costs. There's no need for load interrupters on each device. Switching procedures are simplified to minimizing the duration and scope of outages. This rugged, reliable device interrupts with no external arc, meeting OSHA requirements for opening circuits under load.

SC-5300R3"27 kV Maximum, 14.4/25 kV Nominal  
SC-5400R3"38 kV Maximum, 25/34.5 kV Nominal



# LOAD BREAK & PICK-UP TOOLS



**Utility Solutions BREAK-SAFE® Load Break & Pick-up Tool** is a jumper clamp that functions like a portable switch. It is designed to operate on overhead distribution lines in conjunction with a mechanical jumper. The BREAK-SAFE® has three operating functions: Load Break, Load Pick-Up, and Continuous Current Duty. In order to keep personnel at a safe distance, the BREAK-SAFE® is operated with an insulated fiberglass hot stick for load break and load pick-up functions. The Yellow Safety Lock is also operated by a hot stick and helps prevent the tool from an unintended load break or pick-up operation.

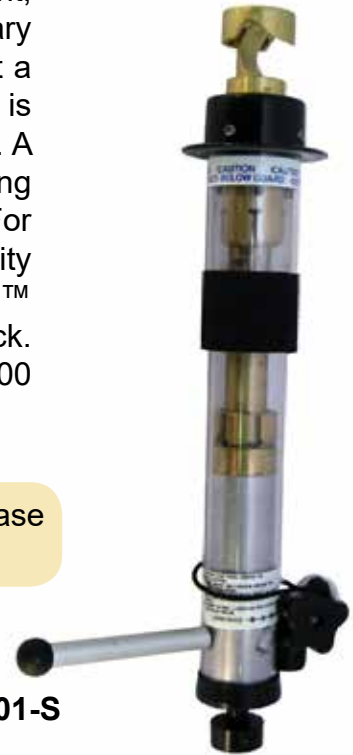
UT-USBS-15-1-PS-S 15kV-300 Amps, Floating Head & Soft Case  
 UT-USBS-27-1-PS-S 27kV-300 Amps, Floating Head & Soft Case  
 UT-USBS-46-1-PS-S 46kV-200 Amps, Floating Head & Soft Case

**UT-USBS-15-1-PS-S**



**Utility Solutions Mini-Max Portable Load Pick-up Tool** is a lightweight, compact, portable load pick-up tool that incorporates many of the revolutionary safety features found on the BREAK-SAFE®. Load pick-up is initiated at a safe distance by way of an insulated fiberglass hot stick. This method is safer than our competitors bulky lanyard method or hand tool interaction. A safety pin physically locks the MINI-MAX™ in the open position preventing an operator from breaking a load while handling and positioning the tool. For those organizations that do not allow the use of gloved installation, Utility Solutions offers the duckbill style head. This option allows the MINI-MAX™ to be installed and removed from the line using a fiberglass shotgun stick. Operational Voltage: 27 kV maximum. Continuous Current Ratings: 300 Amp. Available with floating or duckBill head.

UT-USMM-001-S Mini-Max; 27kV-300 Amps, w/ Floating Head & Soft Case  
UT-USMM-002-S Mini-Max; 27kV-300 Amps, w/ DuckBill & Soft Case

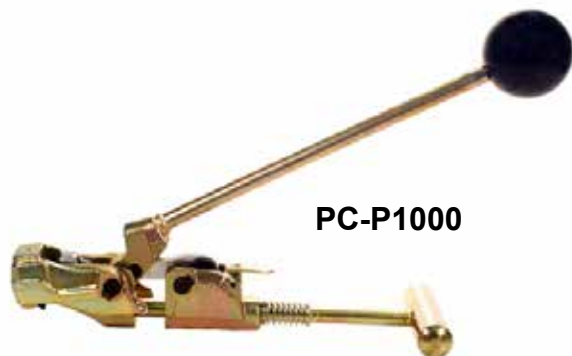
**UT-USMM-001-S**

**Utility Solutions Fuse Safe** provides portable current limiting fuse and fault close-in protection. This device is highly useful in dry, brush fire sensitive areas. Extremely effective when used in series with the Break Safe Tool. This tool is a set of top and bottom brackets designed to mount on the ends of a current limiting fuse. On the top bracket is a duckbill clamp for easy installation/removal of the FUSE- SAFE. On the bottom bracket is a parking stand that provides flexibility to the user during installation and operation. The FUSE-SAFE does not incorporate a fixed jumper lead so it is lightweight and highly portable. Installation of the brackets on the current limiting fuse is simple and easy, requiring only the use of a hex wrench. This tool can be used in series with the Break-Safe products to add temporary fuse protection and fault close-in protection. The FUSE SAFE can be provided with a current limiting fuse as selected by the user. Standard current limiting fuses are supplied by T&B Hi-Tech Fuses.

UT-USFS-002 Fuse Safe, with T&B Fuse

**UT-USFS-002**

## BANDING



PC-P1000

**Punch-Lok P1 Locking Tool** is designed for fast economical application of punch-lok clamps for maintenance, repairs and installations. The portable tool is drop forged and plated tempered steel construction. Comfortable ball handle for tensioning clamps. Accepts up to 5/8" wide clamps. Use PC-D-229 adapter for installing 3/8" clamps.

PC-P1000 P-1  
PC-D-229 3/8" Clamp Adapter



PC-D-550

**Punch-Lok D 550 Clamp Cutter** removes any punch type clamp with minimum effort. Rugged drop forged heat treated high carbon steel construction.

PC-D-550 D-550



PC-P-4

**Punch-Lok Pre-Formed Clamps** are constructed of high strength galvanized carbon steel.

PC-P-3	13/16" Clamp ID, 3/8" Band width, 100 Ct
PC-P-4	1" Clamp ID, 5/8" Band width, 100 Ct
PC-P-5	1-1/4" Clamp ID, 5/8" Band width, 100 Ct
PC-P-6	1-1/2" Clamp ID, 5/8" Band width, 100 Ct
PC-P-7	1-3/4" Clamp ID, 5/8" Band width, 100 Ct
PC-P-8	2" Clamp ID, 5/8" Band width, 100 Ct
PC-P-9	2-1/4" Clamp ID, 5/8" Band width, 100 Ct
PC-P-10	2-1/2" Clamp ID, 5/8" Band width, 50 Ct
PC-P-11	2-3/4" Clamp ID, 5/8" Band width, 50 Ct
PC-P-12	3-" Clamp ID, 5/8" Band width, 50 Ct
PC-P-14	3-1/2" Clamp ID, 5/8" Band width, 50 Ct
PC-P-16	4" Clamp ID, 5/8" Band width, 25 Ct
PC-P-18	4-1/2" Clamp ID, 5/8" Band width, 25 Ct
PC-P-20	5" Clamp ID, 5/8" Band width, 25 Ct
PC-P-24	6" Clamp ID, 5/8" Band width, 25 Ct
PC-P-26	6-1/2" Clamp ID, 5/8" Band width, 50 Ct
PC-P-28	7" Clamp ID, 5/8" Band width, 50 Ct
PC-P-32	8" Clamp ID, 5/8" Band width, 50 Ct



## CRIMPING

**Klein Crimping Tools** are designed for insulated and non-insulated terminals and connectors. The thin nose permits working in confined space. Crimping die marked for insulated and non-insulated solder less terminals and connectors. Accommodates wire from No. 10 to 22 AWG. Wire cutter in nose 9-3/4" OAL. Crimping tool available with Journeyman Series Tools grips that allow for a softer more comfortable outer surface and a harder more durable inner surface. The Journeyman contoured grips are color coded for quick identification of the tool.

KL-1005 Insulated/Non-Insulated Terminals  
KL-1006 Non-Insulated Terminals

**Reliable Manual (XPJ) Crimping Tool** is designed to easily crimp #2, #4, and #6 connectors. This tool is equivalent to the Nicopress XPJ Tool.

RL-REL-642S XPJ Tool



RL-REL-642S

**Burndy OH25 HYTOOL™** incorporates a full cycle ratchet and cam mechanism, allowing easy crimping action. The dieless crimper installs service entrance splice connectors from #10 through 1/0. 3 ton max force with 50 lbs max pressure handle force. OAL 12-1/4"

BN-OH25 OH25



BN-OH25

**Burndy OUR840 HYTOOL™** incorporates a full cycle ratchet and cam mechanism, allowing easy crimping action. The crimper installs 11 "X" dies for service entrance splice connectors. The die inserts snap into the permanent groove easily with one hand and locks securely in the tool with the spring loaded positive lock die retainer buttons. 4 ton max force with 8 lbs max pressure handle force. OAL 13"

BN-OUR840 OUR840



BN-OUR840

**Kearney OS Fixed Die Crimping Tools** are designed for quick application of residential service connections. The tool is available with a choice of three dies for compressing 1/2", 5/8" and 5/8" non-bow bare and insulated connectors, triplex sleeves and elbow terminating connectors.

CP-OS49 1/2" Fixed Die  
CP-OS50 5/8" Fixed Die  
CP-OS-620 5/8" Non-Bow Fixed Die



CP-OS50

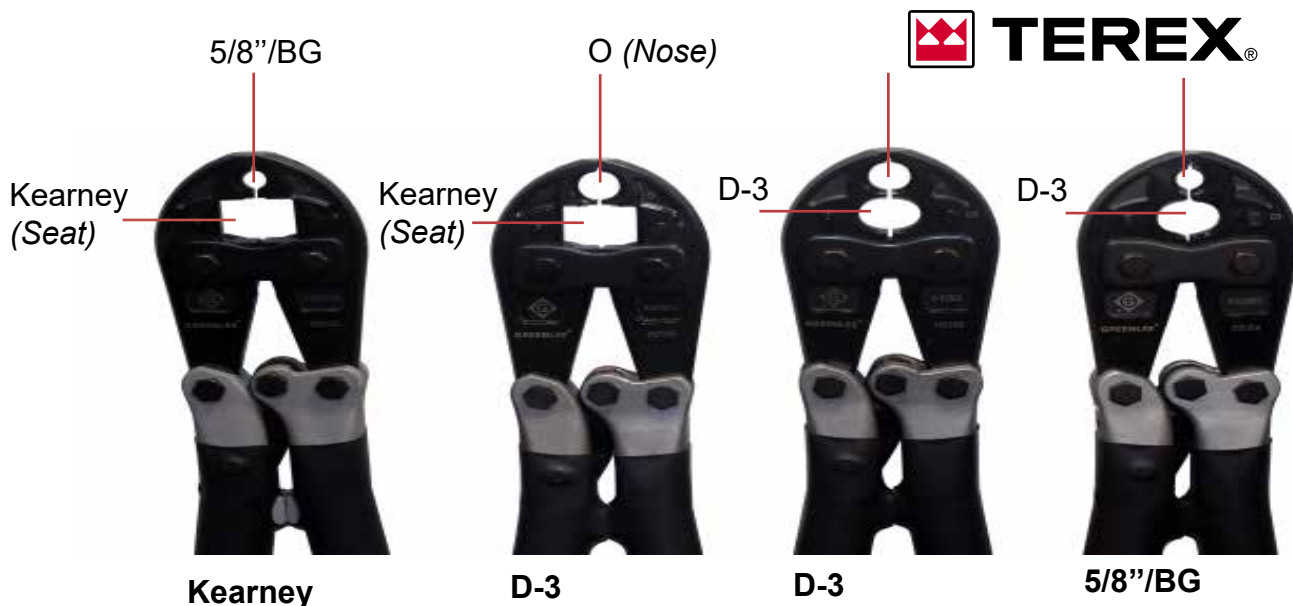


KL-1005





# CRIMPING



**BN-MD6**

**Burndy (MD6 style Pop) Crimping Tool** is designed for compression of sleeves, lugs and H-frame parallel groove connectors. The MD6 Series accepts Burndy style "W" type dies that clip into place over the rear D die groove. Constructed with curved hickory wooden handles. Available with a fixed O or 5/8" nose die.

BN-MD6 D-3 Seat Die & O Nose Die, Wooden Handles, Curved  
 BN-MD6-8 D-3 Seat Die & 5/8" Nose Die, Wooden Handles, Curved



**GR-02064**

**Greenlee Manual Crimping Tool (MD-6 type Pop Tool)** is designed for crimping a wide range of overhead service entrance connections, overhead Splices, and overhead taps. Equipped with D-3 die groove and either 5/8" (BG) or O die groove. The D-3 die groove serves as a die seat for all industry "W" die types. Bent fiberglass handles provide solid grip and excellent leverage. Over-center cam mechanisms provide complete crimps.

GR-02064 D-3 Seat Die & O Nose Die, Fiberglass Handles, Curved  
 GR-02065 D-3 Seat Die & 5/8" Nose Die, Fiberglass Handles, Curved  
 GR-08161 Kearney Seat Die & O Nose Die, Fiberglass Handles, Curved  
 GR-08160 Kearney Seat Die & 5/8" Nose Die, Fiberglass Handles, Curved



**Reliable Manual (MD-6 style Pop) Crimping Tools** exert 9000 lbs. of crimping force and are available with wood and fiberglass handles (straight or bent). The Pop Tool Series Crimpers install a full range of connectors from #14 through 4/0 and are equivalent to Burndy MD-6 tools. The crimper configurations feature acceptance of W-type (D-3) or Kearney style Seat die inserts with a fixed O or 5/8" (BG) nose. Spring loaded die retainer pins assure positive lock.



**RL-REL-K58**



**RL-REL-BG-FG**



**RL-REL-K58-FGBH**

RL-REL-0	D-3 Seat Die & O Nose Die, Wooden Handles, Curved
RL-REL-BG	D-3 Seat Die & 5/8" Nose Die, Wooden Handles, Curved
RL-REL-KO	Kearney Seat Die and O Nose Die, Wooden Handles, Curved
RL-REL-K58	Kearney Seat Die and 5/8" Nose Die, Wooden Handles, Curved
RL-REL-O-FG	D-3 Seat Die & O Nose Die, Fiberglass Handles
RL-REL-BG-FG	D-3 Seat Die & 5/8" Nose Die, Fiberglass Handles
RL-REL-KO-FG	Kearney Seat Die and O Nose Die, Fiberglass Handles
RL-REL-K58-FG	Kearney Seat Die and 5/8" Nose Die, Fiberglass Handles
RL-REL-O-FGBH	D-3 Seat Die & O Nose Die, Bent Handle
RL-REL-BG-FGBH	D-3 Seat Die & 5/8" Nose Die, Bent Handle
RL-REL-KO-FGBH	Kearney Seat Die and O Nose Die, Bent Handle
RL-REL-K58-FGBH	Kearney Seat Die and 5/8" Nose Die, Bent Handle



**Burndy (MD7 style Pop) Crimping Tool** is designed for compression of sleeves, lugs and H-frame parallel groove connectors. The MD7 Series accepts Burndy style "W" type dies that clip into place over the rear D die groove. The POSI-PRESS HYTOOL™ features bent composite polymer handles with a visual wear indicator that makes verification of the tools condition easy to determine. Available with a fixed O or 5/8".



**BN-MD7**

BN-MD7	D-3 Seat Die & O Nose Die, Bent Handles
BN-MD7-8	D-3 Seat Die & 5/8" Nose Die, Bent Handles



## CRIMPING



HU-EP-630A



**Huskie HU-EP-630A 6 Ton Manual Hydraulic Dieless Crimping Tool** with Open Head was designed to crimp Anderson Style Connectors. The operator simply positions the connector in the jaws and pumps until the tool bypasses at 6.2 ton of output. 2-Speed pump to reduce cycle time. Ram automatically retracts when crimp cycle is complete. Crimping head rotates 360°. Includes carrying case.

HU-EP-630A 6 Ton, Dieless, Open Head  
HU-EP-750A 6 Ton, Dieless, Flip-Top



HU-EP-510



**Huskie "C" Type 12 Ton Manual Hydraulic Crimping Tools** are designed to crimp splices to 600 MCM and lugs to 750 MCM. The Crimping Tools accept "U" style dies as well as many dies from Alcoa, Burndy, Blackburn, Thomas & Betts and Huskie. 2-Speed pump to reduce cycle time. Ram automatically retracts when crimp cycle is complete. Crimping head rotates 180 degrees. Available with 1" and 1-1/2" openings. Includes carrying case.

HU-EP-410 12 Ton, 'C' Type, 1" Opening  
HU-EP-510 12 Ton, 'C' Type, 1.5" Opening



HU-EP-510K



**Huskie "Kearney" Type 12 Ton Manual Hydraulic Crimping Tools** are designed to crimp splices to 477 ACSR and lugs to 1033 MCM. Crimping Tool accepts Kearney Type Dies commonly used in their models WH-2, PH-2, and WH-3 hydraulic tools. 2-Speed pump to reduce cycle time. Ram automatically retracts when crimp cycle is complete. Crimping head rotates 180 degrees. Available with larger 1-1/2" opening. Includes carrying case.

HU-EP-510K 12 Ton, Kearney Type



**Reliable "C" Type 12 Ton Manual Hydraulic Crimping Tools** are designed to crimp splices to 600 MCM and lugs to 750 MCM. The Crimping Tools accept "U" style dies as well as many dies from Alcoa, Burndy, Blackburn, Thomas & Betts and Huskie. The head swivels 180° which enables tool to be used in confined spaces. Two stage pumping piston for rapid advance, and twist handle release. Available with 1-3/16" or larger 1-1/2" jaw opening. Comes complete with carrying case.

RL-REL-430 12 Ton, 'C' Type, 1-3/16" Opening  
RL-REL-510 12 Ton, 'C' Type, 1-1/2" Opening



RL-REL-510



RL-REL-510K



**Reliable "Kearney" Type 12 Ton Manual Hydraulic Crimping Tools** are designed to crimp splices to 477 ACSR and lugs to 1033 MCM. The Crimping Tools accept standard Kearney style dies. The head swivels 180° which enables tool to be used in confined spaces. Two stage pumping piston for rapid advance, and twist handle release. Comes with larger 1-1/2" jaw opening and carrying case.

RL-REL-510K 12 Ton, "Kearney" Type, 1-1/2" Opening

**Burndy Y35 C-type 12 Ton Manual Hydraulic Compression Tool** accepts Burndy "U" type dies and is designed for sleeves, lugs and "H" frame parallel groove connectors. The Y35 features a rapid advance ram and 180° head rotation.

BN-Y35 12 Ton, C Type



BN-Y35



**Burndy Y750 Series C-type 12 Ton Manual Hydraulic Compression Tools** accept Burndy "U" type dies for the full line of HYGROUNDO® connectors with a conductor range of #14-750 kcmil AL/CU and #4-556.5 kcmil ACSR conductors. Also designed for sleeves, lugs and "H" frame parallel groove connectors. The Y750 features a wide mouth 1.65" opening C-type head which rotates 355°. Also available with a rubber covered head and handles for tool impact protection. Comes complete with high impact plastic carrying case.

BN-Y750HSXT 12 Ton, C Type, 1.65"  
BN-Y750CHSXT 12 Ton, C Type, 1.65" Rubber Covered



BN-Y750HSXT





# CRIMPING



## 6 Ton Burndy Type "W" Dies



BN-W-161	161
BN-W-162	162
BN-W-163	163
BN-W-164	164
BN-W-165	165
BN-W-166	166
BN-W-167	167
BN-W-171	171
BN-W-236	236
BN-W-237	237
BN-W-238	238
BN-W-239	239
BN-W-240	240
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BN-W-247	247
BN-W-248	248
BN-W-249	249
BN-W-251	251
BN-W-28K	28k
BN-W-660	660
BN-W-687	687
BN-W-690	690
BN-W-691	691
BN-W-693	693
BN-W-694	694
BN-W-702	702
BN-W-733	733
BN-W-737	737
BN-W-BG	BG
BN-W-C	C
BN-W-K840	K840
BN-W-KK	KK
BN-W-L	L
BN-W-O	O

\*6 Ton "W" Crimping Dies for Burndy Style MD6 & MD7 Tools.



CP-26958 9/16  
 CP-26992 5/8.- 1  
 CP-26993 O  
 CP-26994 D  
 CP-30041 1/2  
 CP-30042 3/8  
 CP-30043 5/16  
 CP-30084 737  
 CP-30124 840  
 CP-30154 1/4  
 CP-30450 781  
 CP-30500 Wire Cutter Die for 2/0 ACSR  
 CP-30554 B  
 CP-30611 P  
 CP-30744 BU-C  
 CP-30914 19/32  
 CP-36181 3/16

CP-36559 PLUM  
 CP-40114 11/16  
 CP-40493 T  
 CP-40495 K  
 CP-48410 J  
 CP-49341 ORANGE  
 CP-100600 510  
 CP-100601 635  
 CP-100602 747  
 CP-100606 980  
 CP-100609 845  
 CP-100613 620  
 CP-100618 702  
 CP-100625 500  
 CP-1006003-77A  
 CP-100603-11 11A  
 CP-100603-9 9A

## 6 Ton Kearney "D" Dies



# CRIMPING



## 12 Ton Burndy Type "U" Dies



BN-U-161	161	BN-U-26RT	26RT
BN-U-162	162	BN-U-27ART	27ART
BN-U-163	163	BN-U-27RT	27RT
BN-U-164	164	BN-U-28ART	28ART
BN-U-165	165	BN-U-28RT	28RT
BN-U-166	166	BN-U-29ART	29ART
BN-U-167	167	BN-U-39ART2	39ART2
BN-U-168	168	BN-U-39RT	39RT
BN-U-169	169	BN-U-490	490
BN-U-170	170	BN-U-654	654
BN-U-1CRT	1CRT	BN-U-655	655
BN-U-210	210	BN-U-659	659
BN-U-237	237	BN-U-678	678
BN-U-242	242	BN-U-705	705
BN-U-243	243	BN-U-788	788
BN-U-245	245	BN-U-840	840
BN-U-247	247	BN-U-997	997
BN-U-248	248	BN-U-998	998
BN-U-249	249	BN-U-BG	BG
BN-U-250	250	BN-U-C	C
BN-U-251	251	BN-U-D	D
BN-U-252	252	BN-U-D3	D3
BN-U-25ART	25ART	BN-U-M	M
BN-U-25RT	25RT	BN-U-N	N
BN-U-261	261	BN-U-O	O
BN-U-26ART	26ART	BN-U-R	R

\*12 Ton "U" Crimping Dies for Burndy Style Y35 & Y750 Tools.



## 12 Ton Alcoa Type "B" Dies



AC-BD	D
AC-B11AH	11AH
AC-B20AH-14AH	20AH-14AH
AC-B76AH	76AH
AC-B13AH-80EA	13AH-80EA

\*12 Ton B Series AH and SH Crimping Dies for Alcoa Style 12HHT30MM & 14HTR Tools.





CP-34682	635
CP-36457	D
CP-36459	N
CP-36463	1 1/8 - 1 HEX
CP-36467	O
CP-36472	U
CP-36474	15/16
CP-36476	840
CP-36478	781
CP-36480	737
CP-36481	625 WIDE
CP-36484	5/8.-1
CP-36486	19/32
CP-36488	9/16
CP-36490	1/2
CP-36494	3/8
CP-36496	5/16
CP-36498	1/4

CP-36828	P
CP-36830	C
CP-36832	B-K-T
CP-36834	747
CP-36836	573
CP-36838	510
CP-40063	727
CP-40151	11/16
CP-49435	3/4 HEX
CP-49437	19/32 HEX
CP-100370	15/16 HEX
CP-100399	1 - 2 HEX
CP-100400	1 1/8 - 2 HEX
CP-100433	1 5/16 HEX
CP-100434	1 1/2 HEX
CP-100455	9/16 WIDE
CP-100456	840 WIDE

## 12 Ton Kearney Type Dies



\* 12 Ton Crimping Dies for Kearny Style WH2, WH3, PH2 & PH13 Tools.

BN-P39ART	P39ART
BN-P39RT	P39RT
BN-P40ART	P40ART
BN-P40RT	P40RT
BN-P44ART	P44ART
BN-P44RT	P44RT
BN-P46RT	P46RT
BN-P-724	P-724
BN-PKR	PKR
BN-PN	PN

## 15 Ton Burndy "P" Type Dies



\*15 Ton "P" Crimping Dies for Burndy Style Y46 Tools.





# CRIMPING



## 15 Ton Die Adapters



**BN-PUADP-1**

BN-PUADP-1 U Die Adapters for 15T Burndy Y46 Heads

\*15 Ton Crimping Die Adapters for Burndy Style Y46 (P Dies) Tools.



**GR-48802**

GR-48802 U Die Adapters for 15T Kearney PH15 Heads

\*15 Ton Crimping Die Adapters for Kearney Style PH15 Tools.



**GR-48824**

GR-48824 Kearney 12T Die Adapters for PH15 Heads

\*15 Ton Crimping Die Adapters for Kearney Style PH15 Tools.



**GR-48820**

GR-48820 P Die Adapters for 15T Kearney PH15 Heads

\*15 Ton Crimping Die Adapters for Kearney Style PH15 Tools.



## 12/15 Ton Tap Cutters



CP-100024 Cut-Off Blade, #6-4/0  
CP-100026 Cut-Off Blade, 4/0-500

\*12/15 Ton Tap Cutters for Kearney  
WH2, WH3, PH2, PH13 & PH15 Tools.

## 30 Ton Crimping Dies



AC-3011AH 3011AH  
AC-3027AH 3027AH



## 60 Ton Crimping Dies



AC-6007CD 6007CD  
AC-6008CD 6008CD  
AC-6009CD 6009CD  
AC-6010CD 6010CD  
AC-6010SH 6010SH  
AC-6011CD 6011CD  
AC-6012CD 6012CD  
AC-6012SH 6012SH  
AC-6013CD 6013CD  
AC-6014CD 6014CD  
AC-6014SH 6014SH  
AC-6015AH 6015AH  
AC-6015CD 6015CD  
AC-6016CD 6016CD  
AC-6016SH 6016SH  
AC-6017CD 6017CD

AC-6018SH 6018SH  
AC-6020AH 6020AH  
AC-6020SH 6020SH  
AC-6024AH 6024AH  
AC-6027AH 6027AH  
AC-6030AH 6030AH  
AC-6034AH 6034AH  
AC-6036AH 6036AH  
AC-6038AH 6038AH  
AC-6040AH 6040AH  
AC-6074AH 6074AH  
AC-6074SH 6074SH  
AC-6075AH 6075AH  
AC-6075SH 6075SH  
AC-6076AH 6076AH  
AC-6076SH 6076SH



# CUTTING



**KL-63050**

**Klein High-Leverage Cable Cutter** is designed for precision, one handed shearing action with a maximum use of 4/0 aluminum, 2/0 soft copper and 100-pair 24 AWG communication wire. Perfect for working in confined spaces. Available with Standard, Journeyman or Insulated Handles. 9-1/2" OAL. DOES NOT CUT ACSR.

KL-63050 9-1/2" OAL, Red Handles  
KL-63050EINS 9-1/2" OAL, Insulated



**KL-63050-EINS**



**Klein Ratcheting Cable Cutter** has finger formed non-slip plastic grip handles with finger guards. Cleanly cuts copper up to 400 MCM and aluminum up to 600 MCM. Quick release level open blade at anytime during operation. Not designed for cutting steel or ACSR.



**KL-63060**

KL-63060 Ratcheting Cable Cutter



**Reliable RL-REL-750 Ratcheting Cable Cutter** has been designed to cut copper & aluminum cable with the convenience of single handed operation. This model features a full ratcheting cycle and release in all cutting positions. The handle locks in closed position for storage and transportation. Heavy duty handle features an ergonomic design to maximize cutting leverage. Length: 9 inches.



**RL-REL-750**

RL-REL-750 Ratcheting Cable Cutter





**Greenlee Ratcheting Cable Cutter** is the largest capacity single hand operated ratcheting cable cutter in the industry, 750 kcmil copper and 1000 kcmil aluminum. Two cutting actions, fast scissor cutting for small cable and insulation and converts automatically to ratchet mode.

GR-45207 Ratcheting Cable Cutter



**Klein Small Ratcheting ACSR Cable Cutter** cleanly cuts 336mcm Linnet ACSR and triplex steel messenger cable. Copper up to 400 MCM, as well as aluminum and multi-conductor cables up to 600 MCM. Unique ratchet action holds cable tight and allows rapid, straight cuts with minimum effort. Hold-open spring speeds cutting action. Quick-release lever opens blade at anytime during operation. Large, finger-formed handles have limit guards and bright yellow plastic covering for comfort and high visibility. Compact, lightweight tool can be locked in closed position for pouch carrying.

KL-63607 Small ACSR Ratcheting Cable Cutter



**Reliable ACSR Ratcheting Cable Cutter** is designed for cutting aluminum conductor up to 500 MCM and copper conductor up to 350 MCM. Also cuts ACSR up to 336 MCM and 3/16" steel.

RL-REL-9009 Reliable ACSR Ratcheting Cable



**Klein Large Ratcheting ACSR Cable Cutter** features replaceable cutting blades which can be replaced with three screws per blade. Cuts: ACSR up to 477 MCM, CU-AL (Aluminum) stranded up to 1-1/4", CU (Copper) solid up to 1" and Guy Strand up to 1/2".

KL-63800ACSR Large ACSR Ratcheting Cable Cutter



GR-45207



KL-63607



RL-REL-9009



KL-63800ACSR



## CUTTING



CO-0190FC



CO-0190MC



CO-1490MC



RL-REL-500



CO-0290FCS

**H.K. Porter Center Cut Bolt Cutters** are general purpose cutters designed for soft, medium, and hard metals such as: bolts, rod, spring wire, alloy wire, stranded guy wire, and most hard steel up to Brinnell 4550/Rockwell C48. Center cut design provides the cutting edge in the middle of the blade with an equal bevel on each side. Center cut jaws are ideal when flush or end cuts are not required. Toggle joints turn 50 lbs. hard pressure to 4000 lbs. Available with fiberglass or steel handles.

CO-1490MC 14" Steel Handle, 5/16" Soft/ 3/16"  
 CO-0090MC 18" Steel Handle, 3/8" Soft/ 1/4"  
 CO-0190MC 24" Steel Handle, 7/16" Soft/ 5/16"  
 CO-0290MC 30" Steel Handle, 1/2" Soft/ 3/8"  
 CO-0390MC 36" Steel Handle, 9/16" Soft/ 7/16"  
 CO-0590MC 42" Steel Handle, 11/16" Soft/ 1/2"  
 CO-0090FC 18" Fiberglass Handle, 3/8" Soft/ 1/4"  
 CO-0190FC 24" Fiberglass Handle, 7/16" Soft/ 5/16"  
 CO-0290FC 30" Fiberglass Handle, 1/2" Soft/ 3/8"  
 CO-0390FC 36" Fiberglass Handle, 9/16" Soft/ 7/16"

**Reliable Heavy Duty Sheer Type Cable Cutters** will cut aluminum, copper and communications cable ranging from 500MCM to 2,000MCM with minimum cable distortion and long life. Features, light rugged, heavy duty design that stands up to abuse. Die cut chrome blades for durability and edge hardness. High strength fiberglass handles on the REL-500 and REL-1000. Replaceable handles and blades. NOTE: Does not cut steel.

RL-REL-500 21" Handle, 500 MCM Cop./750 MCM Aluminum Capacity  
 RL-REL-1000 32" Handle, 1000 MCM Cop./1600 MCM Aluminum Capacity



**H.K. Porter Sheer Type Cable Cutters** are ideal for cutting copper or aluminum power and communication cable. Drop forged alloy steel jaws with sheer-cut type blades.

CO-0290FCS 25" Fiberglass Handle, 500 MCM Cop./750 MCM Alum. Capacity  
 CO-0390FCS 32" Fiberglass Handle, 750 MCM Cop./1200 MCM Alum. Capacity



## CUTTING



**H.K. Porter Compact Ratcheting Cable Cutters** are light weight and ideal for cutting soft cable. Ratchet-type jaws with sheer cut blades grip and hold while pumping action cuts cable. Fiberglass handles with non-slip plastic grips. 1-3/16" Capacity.



CO-6990FS

CO-6990FS 14" Fiberglass, 500 MCM Copper, 795 MCM Aluminum  
CO-6990FSL 19" Fiberglass, 750 MCM Copper, 795 MCM Aluminum



**H.K. Porter Ratcheting Soft Cable Cutter** cuts copper and aluminum power and communication cable up to 2" or 2500 MCM. Ratchet mechanism provides 5 times mechanical advantage over manual cutters.



CO-8690FSK

CO-8690FSK 27", 2" Capacity



**H.K. Porter Ratcheting Soft Cable Cutter** cuts copper, aluminum and rubber covered or lead covered power and communication cable up to 3". Ratchet mechanism provides 5 times mechanical advantage over manual cutters.



CO-8690CS

CO-8690CS 29-1/3", 3" Capacity



**Reliable Ratcheting Cable Cutter** is designed primarily for cutting ACSR up to 556 MCM or power cable up to 750 MCM. Single lever thumb slide release allows rapid opening and closing. Reinforced fiberglass handles with a protective rubberized coating.



RL-RC750H

RL-RC750H 556 MCM ACSR, 750 MCM Copper, 795 MCM Aluminum



## CUTTING



CO-8690FH



GR-757



CO-8690CK



GR-758



CO-8690TN



**H.K. Porter Ratcheting Hard Cable Cutter** cuts hard cable, ACSR, ACAR, ZEBRA and self supporting telephone cable with minimal distortion. Requires moderate pressure and short strokes to operate, ideal for confined spaces. Increased mechanical advantage over manual cutters.

CO-8690FH 29", 1-3/16" Capacity



**Greenlee 757 Ratcheting Hard Cable Cutter** cuts hard cable (ACSR) up to 954 kcmil and 1/2" soft steel rod. Two cutting actions, fast scissor cutting for small cable and insulation. Converts automatically to ratchet mode.

GR-757 29-1/4", 1.18" Capacity



**H.K. Porter Ratcheting Guy Strand Cutter** cuts EHS Guy strand, mild steel rods, and bolts up to 1/2" with minimal distortion. Requires moderate pressure and short strokes to operate, ideal for confined spaces. Increased mechanical advantage over manual cutters.

CO-8690CK 28", 1/2" Capacity



**Greenlee 758 Ratcheting Guy Strand Cutter** cuts EHS Guy strand, mild steel rods, and bolts up to 1/2" with minimal distortion. Two cutting actions, fast scissor cutting for small cable and insulation. Converts automatically to ratchet mode.

GR-758 27-3/4", 1/2" Capacity



**H.K. Porter Ratcheting Wire Rope Cutter** cuts aircraft, EHS Guy strand, wire rope, and hard stainless steel cable. Cuts all strands with minimal crushing and distortion. Requires moderate pressure and short strokes to operate, ideal for confined spaces. Increased mechanical

CO-8690TN 36", 3/4" Capacity





**Klein Cushioned Grip Nut-Driver** has premium chrome plated shank. Patented tip-IDENT® on end of cushion-grip handle is color coded allowing for quick recognition of size. Available in 7-Piece Nut-Driver Set which is packed in heavy plastic roll-up pouch with 2 grommets holes for hanging. Set consists of: 3/16", 1/4", 5/16", 11/32". \*All nut driver sizes available with insulated shaft. Insulated tools meet or exceed IEC 60900 and ASTM F 1505 and are clearly marked with the 1000 volt rating symbol.

KL-630-3/16	3/16" Hex, 6 3/4" OAL
KL-630-1/4	1/4" Hex, 6 3/4" OAL
KL-630-5/16	5/16" Hex, 6 3/4" OAL
KL-630-11/32	11/32" Hex, 6 3/4" OAL
KL-630-3/8	3/8" Hex, 6 3/4" OAL
KL-630-7/16	7/16" Hex, 7 5/16" OAL
KL-630-1/2	1/2" Hex, 7 5/16" OAL
KL-630-9/16	5/8" Hex, 9 3/8" OAL
KL-630-5/8	5/8" Hex, 9 3/8" OAL
KL-631	Set, 7-Piece



KL-630-9/16



KL-630-9/16-INS



KL-631



**Klein 600 Series** cushion-grip screwdrivers are designed for the most demanding uses. With heavy-duty square shank for wrench-assisted turning. Keystone-Tip (Flathead)

KL-600-01	Square Shank, 1/4" X 1 1/2", 3-7/16" OAL
KL-600-04	Square Shank, 1/4" X 4", 8-11/32" OAL
KL-600-06	Square Shank, 5/16" X 6", 10-15/16" OAL
KL-600-08	Square Shank, 3/8" X 8", 13-7/16" OAL
KL-600-12	Square Shank, 1/2" X 12", 17-6/16" OAL



**Klein 602 Series** cushion-grip screwdrivers are built to handle the tough jobs with ease. With heavy-duty or insulated round shank. Keystone-Tip (Flathead) screwdrivers available with insulated shaft. Insulated tools meet or exceed IEC 60900 and ASTM F 1505 and are clearly marked with the 1000 volt rating symbol.

KL-602-1	1/4" X 1-1/2", 3-7/16" OAL
KL-602-3	7/32" X 3", 6-3/4" OAL
KL-602-4	1/4" X 4", 8-11/32" OAL
KL-602-6	5/16" X 6", 10-15/16" OAL
KL-602-8	3/8" X 8", 13-7/16" OAL
KL-602-10	3/8" X 10", 15-7/16" OAL
KL-602-12	3/8" X 12", 17-7/16" OAL
KL-602-4-INS	Insulated, 1/4" X 4", 8-11/32" OAL
KL-602-6-INS	Insulated, 5/16" X 6", 10-15/16" OAL
KL-602-10-INS	Insulated, 3/8" X 10", 15-7/16" OAL



**Klein 603 Series** cushion grip screwdrivers are designed with Profilated® tips to provide a more consistent geometric symmetry than conventional Phillip-tip screwdrivers. Provide more accurate fit and torque without slippage.

KL-603-1	No.2 pt. 1 1/4", 14-3/8" OAL
KL-603-3	No.1 pt. 3", 11-3/8" OAL
KL-603-4	No.2 pt. 4", 11" OAL
KL-603-6	No.3 pt. 6", 8-3/4" OAL
KL-603-7	No.2 pt. 7", 6-3/4" OAL
KL-603-10	No.2 pt. 10", 13-1/8" OAL
KL-603-3-INS	Insulated, No.1 pt. 3", 11-3/8" OAL
KL-603-4-INS	Insulated, No.2 pt. 4", 11" OAL
KL-603-6-INS	Insulated, No.3 pt. 6", 8-3/4" OAL



KL-600-06

KL-602-06

KL-602-6-INS

KL-603-06

KL-603-6-INS



**Stanley Jacketed Graphite Ball Peen Hammer** has heat tempered high carbon steel head. Ergonomic cushioned grip and molded jacket are designed to absorb shock. Exceeds ANSI safety specifications.

PT-54-732 32 oz. Head, 15" OAL



PT-54-732



**Klein Ballpeen Hammer** has a high carbon hardened steel head. Crowned face with uniform bevel. Smoothly rounded peen. Straight-grain hickory handle.

KL-803-24 24 oz. Head, 15" OAL



KL-803-24



**Klein Linemen's Double-Face Hammer** designed for pole-line work. Well-balanced with the weight to drive lag bolts. Drop-forged tempered steel head is only (3 3/4)" long for use in confined area. Identical faces with (1 3/4)" round-crown driving surface and beveled edges. High-strength shock absorbent fiberglass handle with compatible perforated neoprene grip bonded to handle. Available with smooth faced head or milled faced head for less slippage.

KL-809-36 Smooth Faced; 36 oz. Head, 15" OAL  
KL-809-36MF Milled Faced; 36 oz. Head, 15" OAL



Milled Faced

KL-809-36



**Stanley Fatmax® Antivibe® Curved Claw Hammer** is constructed from one piece forged steel and has a patented tuning fork design which reduces harmful vibrations. Ergonomically designed rubber grip handle is molded directly onto shaft.

SN-51-941 16 oz. Head, 13-5/16" OAL



SN-51-941



# KNIVES (SPLICERS)



KL-44200



KL-5188



KL-5188T



KL-46037



**Klein Cable Splicer Knife** has special-purpose short blade w/ comfortable handle. Blade made of the finest cutlery steel & tempered to hold its edge.



KL-44200 1-3/4" Blade, 6-1/4" OAL  
KL-5188 Holster, Slotted, Leather for use w/KL-44200  
KL-5188T Holster, Tunnel, Leather for use w/KL-44200

**Klein Cable Splicer's Kit** comes complete with cable splicer's knife, electrician's scissors with stripping notches and slotted leather holder for belts. The Cable Splicer's Knife has special-purpose short blade with comfortable handle. Blade made of the finest cutlery steel & tempered to hold it's edge.



KL-46037 Cable Splicer Kit

**Klein Lightweight Lockback Coping Blade Pocket Knives** are manufactured from premium quality AUS8 hardened stainless steel. Anodized aluminum handle for corrosion resistance. Thumb stub provides easy one handed opening. Comes complete with removable pocket/belt clip.

KL-44007



KL-44007 2-1/2", Stainless Steel Blade, Aluminum Handle

KL-1550-14



**Klein Coping Pocket Knife** has a big carbon-steel coping-type blade 3" long. Wood grain plastic hand. Riveted construction with large shackle. Blade locks open.

KL-1550-14 3" Carbon Steel Blade Plastic Handle



# KNIVES (SINGLE BLADE)



**KL-44003**

**Klein Lightweight Lockback Single Blade Pocket Knives** are manufactured from premium quality AUS8 hardened stainless steel. Thumb stub provides easy one handed opening. Available with impact resistant nylon handle with rubber insert or slim, stylish comfortable aluminum handle.

**KL-44000-BLK**



**KL-44000**



KL-44000	2-1/4" Single Blade, Aluminum Handle
KL-44000-BLK	2-1/4" Single Blade, Aluminum Handle, Black
KL-44001	2-1/2" Single Blade, Aluminum Handle
KL-44003	2-3/4" Single Blade, Nylon/Rubber Handle

## POCKET KNIVES (SLITTING/SHEEPFOOT)

**Klein Slitting Pocket Knives** have extra-large curved sheepfoot slitting-blade. Ideal for heavy-duty line work. Blade locks open. Cutting blade available in standard carbon steel or stainless steel. High density plastic handles.



**KL-1550-24**

**KL-1550-44**



KL-1550-4	2-5/8" Carbon Steel Blade, Wood Grain Plastic
KL-1550-24	2-1/2", Stainless Steel Blade, Blue Plastic
KL-1550-44	2-5/8" Stainless Steel Blade, Wood Grain Plastic



**Klein Slitting Pocket Knives** have large curved sheepfoot slitting-blade. Ideal for heavy-duty line work. Blade locks open. Cutting blade is manufactured in AUS8 Stainless Steel. Handle is impact resistant nylon with rubber insert or anodized aluminum. Thumb-stud provides easy one handed opening.

**KL-44006**



**KL-44005**



KL-44004	2-3/8" Stainless Steel Blade, Nylon/Rubber Handle
KL-44005	2-5/8" Stainless Steel Blade, Nylon/Rubber Handle
KL-44006	2-5/8" Stainless Steel Blade, Aluminum Handle



## KNIVES (SKINNING)



KL-1570-3



KL-1570-



KL-1580-3



KL-1570-3LR-INS



BU-70903



KL-44131



KL-44130



KL-44132



**Klein Linemen's Skinning Knife** has tempered-steel blade w/ blade back ground flat for scraping copper wire. Comfortable textured handle with finger grooves provides a firm, comfortable grip. Large finger guard helps keep fingers away from blade. Notch on back of blade for scraping or removing wire insulation. Comes w/ or w/o handle ring. 3" Blade, 8" OAL.

KL-1570-3	8" OAL, w/ Handle Ring
KL-1570-3LR	8" OAL
KL-1580-3	8" OAL, w/ Handle Ring
KL-1570-3LR-INS	8" OAL, Insulated



**Buckingham Skinning Knives** are forged with high quality steel. Cushioned gripped handle for comfortable and firm grip. Comes with or without handle ring.



BU-7090	With Ring
BU-70901	Without Ring
BU-70903	Notched Blade With Ring

## KNIVES (UTILITY)

**Klein Utility Knives** have a heavy duty durable construction. High quality triple ground blades stay sharper longer. Rubber grips on handle for improved comfort and control. Available in fixed design for heavy cutting applications or folding for compact storage. Also available with auto loading and retractable blade systems.

KL-44131	Folding
KL-44130	Folding, Retract./Auto Loading
KL-44132	Fixed, Retract./Auto Loading





**Klein Magnetic Torpedo Level** has three high impact yellow vials for easy viewing of all angle levelling.

KL-930-9 Magnetic Torpedo Level 9"



KL-930-9



**Klein Folding Rules** are constructed of hardwood with clear abrasion resistant coating and tough nylon fiberglass. Black markings on yellow with red stud center markings every 16 inches. Measurements are marked on both sides and both edges, graduated to 1/16".

KL-901-6 Folding Rules, Wood, Outside Read  
KL-911-6 Folding Rules, Fiberglass, Outside



KL-911-6



KL-901-6



**Klein Woven Fiberglass Tapes** are completely enclosed within a moisture-proof vinyl case for protection. Can be completely immersed in water without adverse effects. All metal parts are nickel plated. Tape line graduated in feet and inches to 8ths. Black graduating numbers and red foot markings on yellow background. Available in 50' and 100' lengths.

KL-946-50 Fiberglass Tape, 50'  
KL-946-100 Fiberglass Tape, 100'



KL-946-100



**Stanley Steel Max™ Tape Rule** has Mylar® coated blade and BladeArmor™ coating on first three inches for durability and to extend product life. AirLock™ rubber grip slide lock. Available in 25', 30' and 8 meter.

PT-33-799 Max™ Tape, 1" x 25'



PT-33-799



# PINS & PLIERS



**Klein Broad Head Bull Pins** are forged and heat treated to increase strength and reduce the possibility of chipping. The larger head increases efficiency by providing a larger striking surface.

KL-3256 10" OAL, 1-1/16" Head, 1/4" Point  
KL-3255 13-3/4" OAL, 1-1/4" Head, 5/16" Point



KL-D502-10

**Klein Adjustable Pump Pliers'** jaws are positioned and locked into place by engaging tongue in proper groove. Series of channels gives wide range of jaw openings. Jaws cannot slip even under heavy pressure. Available with standard yellow plastic dipped, heavy-duty red plastic dipped, Journeyman Series handles or insulated orange handles. Journeyman Series Tools have state-of-the-art dual material molding grips that allow for a softer more comfortable outer surface and a harder more durable inner surface. Insulated tools meet or exceed IEC 60900 and ASTM F 1505 and are clearly marked with the 1000 volt rating symbol.



KL-J502-10

KL-D502-06 6-1/2" Standard, 1" Capacity  
KL-D502-10 10" Standard, 1-3/4" Capacity  
KL-D502-12 12" Standard, 2-1/8" Capacity  
KL-D502-16 16" Standard, 4-1/4" Capacity  
KL-D502-10-EINS 10" Insulated, 1-3/4" Capacity  
KL-J502-10 10", Journeyman 1-3/4" Capacity



KL-D502-10-EINS



**CHANNELLOCK Adjustable Pliers** are the most recognized name in its line. The classic CHANNELLOCK Blue Dipped plastic grips provide hand comfort and ergonomic performance. Right angle teeth, undercut tongue and groove provide maximum bite and minimum slippage.

CK-420 9-1/2" OAL, 1 1/2" Capacity  
 CK-424 4-1/2" OAL, 1/2" Capacity  
 CK-426 6-1/2" OAL, 7/8" Capacity  
 CK-430 10" OAL, 2" Capacity  
 CK-440 12" OAL, 2 1/4" Capacity  
 CK-460 16" OAL, 4 1/4" Capacity  
 CK-480 20-1/4" OAL, 5 1/2" Capacity



CK-430



KL-D2000-48



KL-J2000-48



KL-D2000-48-EINS

KL-D2000-28 Standard, 8"  
 KL-D2000-48 Standard, 8" Angled Head  
 KL-J2000-28 Journeyman, 8"  
 KL-J2000-48 Journeyman, 8" Angled Head  
 KL-D2000-28-EINS Insulated, 8"  
 KL-D2000-48-EINS Insulated, 8" Angled Head

**Klein High Leverage Flush Cutting Pliers** are designed with a wide throat clearance for clean, even cutting of wire or nails at close range. Extended handles for longer reach and increased leverage. High leverage design provides ultra durable cutting knives for ACSR, bolts, nails, and most hardened wire.

KL-D2000-32 Plastic Dipped, 8-1/2"



KL-D2000-32





# PLIERS



**KL-D2000-09NECR**



**KL-J2000-09NECR**



**KL-D2000-NE-EINS**

**Klein 2000 Series** high leverage side cutting pliers are designed with ultra durable cutting knives for ACSR, bolts, nails, and most hardened wire. The high leverage design and streamlined nose provide 46% greater cutting and gripping power. Available with optional crimping die for crimping sleeve connectors or a 5/8" thread opening which holds and cleans pole line bolts and rods for line work. Also available with standard plastic dipped handles, Journeyman Series handles or insulated orange handles. Journeyman Series Tools have state of the art dual material molding grips that allow for a softer more comfortable outer surface and a harder more durable inner surface. Insulated tools meet or exceed IEC 60900 and ASTM F 1505 and are clearly marked with the 1000 volt rating symbol.

KL-D2000-09NE	Standard, 9-1/4"
KL-D2000-09NECR	Standard, 9-1/4", Crimper
KL-D2000-09NETH	Standard, 9-1/4", Bolt Thread
KL-J2000-09NE	Journeyman, 9-1/4"
KL-J2000-09NECR	Journeyman, 9-1/4", Crimper
KL-D2000-NE-EINS	Insulated, 9-1/4"



**KL-D203-08**



**KL-J203-08**



**KL-D203-8-EINS**

**Klein Heavy-Duty Long Nose Pliers** with side cutters. This plier permits wrapping, looping and cutting. The heavier design long-nose pliers allow easier, more comfortable cutting. Available with optional skinning hole and crimper. Standard Plastic-Dipped handles, Journeyman Series handles for comfortable grip or insulated orange handles. Journeyman Series Tools have state-of-the-art dual material molding grips that allow for a softer more comfortable outer surface and a harder more durable inner surface. Insulated tools meet or exceed IEC 60900 and ASTM F 1505 and are clearly marked with the 1000 volt rating symbol.

KL-D203-6	Standard, 6-5/8"
KL-D203-8	Standard, 8-5/8"
KL-J203-6	Journeyman, 6-5/8"
KL-J203-8	Journeyman, 8-5/8"
KL-D203-6-EINS	Insulated, 6-5/8"
KL-D203-8-EINS	Insulated, 8-5/8"





**Klein Heavy-Weight Hacksaw** is constructed of durable tubular steel frame which allows storage of extra blades. Provides faster sawing and permits efficient one handed use when necessary.



KL-701-12

KL-701-12 Heavy-Weight w/Golden Tri-Cut Blades  
 KL-1200BI-P Golden Tri-Cut Blades, 10 Pack  
 KL-1200BI Golden Tri-Cut Blades, 100 Pack



**Klein Dual Purpose Hacksaw** has pivot lock to adjust blade tension for straighter cuts and longer blade life. Aluminum finger grip handle and front end. Thumb guard on front end for two handed sawing.



KL-701-S

KL-701-S Dual Purpose w/Golden Tri-Cut Blades  
 KL-1200BI-P Golden Tri-Cut Blades, 10 Pack  
 KL-1200BI Golden Tri-Cut Blades, 100 Pack



**Greenlee PVC Saws** have a "V" tooth design which enables straight cuts on push and pull saw strokes. Blade can be sharpened for extended use. Pointed blade makes dry wall surface penetration easy. Available in 13" or 18" lengths.



GR-00114

GR-00113 13"  
 GR-00114 18"  
 GR-00115 Replacement Blade for 13" (GR-00113)  
 GR-00116 Replacement Blade for 18" (GR-00114)



# SCISSORS



KL-2100-7



\*Side view

**Klein Electrician Scissors** are designed for telecom and electrical applications. Constructed of strong tempered steel with nickel plated corrosion resistant finish. Scraper and file on outside of both blades. Serrated lower blade reduces slippage. Optional stripping notches for stripping 19 AWG and 23 AWG. Also available in a cable splicer's kit with splicer knife and leather holder. \*See cable splicer kit in knife section.

KL-2100-7 w/Stripping Notches



KL-22002

**Klein Broad Blade Utility Sheer** is designed with short jaws to provide powerful cutting action. High-leverage design provides powerful cutting actions for light metals, rubber, cables, wire metal screen, cordage, plastics and rope. One blade is serrated for non-slip cutting action. Extended handle provides comfort and cutting leverage.

KL-22002 Broad Blade Utility Sheer, Large



KL-24001

**Klein Spring Action Snips** are designed for cutting Kevlar® insulation for fiber optics and electronic filaments. One blade is serrated for non-slip cutting action. Spring loaded for self opening action and closure lock for convenient storage.

KL-24001 Snip, 6-1/2" OAL





**Stanley Heavy Duty 1/4" Cable Tacker Stapler** accepts crown and flat staples. Hi/Low Power adjustment and anti-jam mechanism. Built-in wire guide prevents stapling into the wire. Narrow front allows stapling in tight places. Comfort grip handle with lock. Stanley super hold staples (optional) provide bonding adhesive on the lower portion of the chisel point. Staple is activated when driven into wood, providing extra holding power. UL approved for non-metallic sheathed cable (romex). Available in sizes 5/8" and 7/8", and come in 1000 unit pack.

PT-CT10X 1/4" Cable Tacker  
PT-CT710X 5/8" Staple, 1000 Pack  
PT-CT714X 7/8" Staple, 1000 Pack



**Buckingham Staple Stick** prevents the user from dropping staples or having them fly into the road or the user's face. Approximately two loaded staple sticks service a standard distribution pole.

BU-574 12 Staple Capacity



BU-574



## STRIPPING



KL-11053

**Klein Compact Wire Strippers** have precision shear-type blades and easy to read markings. Strippers come in 3 different AWG sizes with color coded comfort gripped handles. All sizes cleanly shear 6-32 and 8-32 screws. Coil spring provides fast self opening action and closer lock for convenient storage. 7-1/8" OAL.

22-32 AWG Stranded & 20-30 AWG Solid

KL-11053 6-12 AWG Stranded  
KL-11055 12-20 AWG Stranded & 10-18 AWG  
KL-11057 Solid



KL-1010

**Klein Long Nose Multi-Purpose Wire Stripper** easily cuts and strips wire 10-22 AWG. Narrow, serrated pliers nose to pull, loop and bend wire. Long, curved cutting blade. Cutters and strippers are in front of the pivot for maximum ease of use in reaching into tight places. Color coated crimping dies for insulated and non-insulated terminals. Also crimps lugs and splices. Crimps 7-8 mm ignition and distributor terminals. Plastic covered cushioned handles. 8-1/4" OAL.

KL-1010 Long Nose Multi-Purpose



KL-1001

**Klein Multi-Purpose Electrician Wire Stripper** easily cuts and strips stranded wire 10-22 AWG and solid wire 8-18 AWG. Color coated crimping dies for insulated and non-insulated terminals. Also crimps lugs and splices. Crimps 7-8 mm ignition and distributor terminals. Cleanly shears bolts. Wire cutter in nose. Plastic covered cushioned handles. 8-1/2" OAL.

KL-1001 8-22 AWG



KL-11063

**Klein Wire Stripper** cuts and strips 8-22 AWG wire with ease. Compound action stripping: grip and strip via single-action squeezing motion. Precision machined stripping holes easily remove insulation without damaging the wire. Remove up to 1" (25 mm) in length of the insulation layer (jacket layer) in a single step. Tension loaded wire-grip gently holds the cable while retaining cable geometry. Cast alloy chassis with heavy-duty Ecoat finish for corrosion resistance and durability.

KL-11063 8-22 AWG





**Thomas and Bett Cable Stripping Tool** quickly and easily removes insulation of cable sizes from 1 AWG to 1000 MCM. Cables can be stripped at the end or any end point where a tap is desired. Selector screw allows for preset insulation stripping without nicking the conductor.

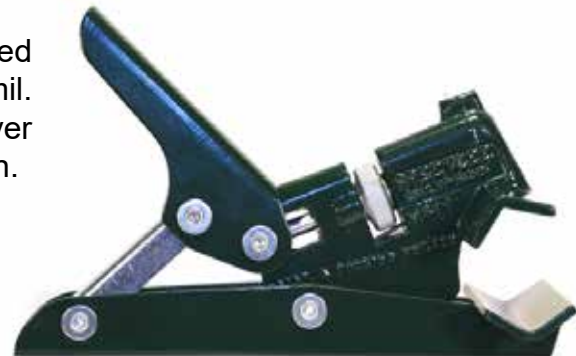
TH-368-CK Cable Stripping Tool



TH-368-CK

**Greenlee Adjustable Cable Stripping Tool** is designed for mid-span and end termination from 1/0 to 1000 kcmil. Strips TW, THW, THWN, THHN and similar single-layer insulation. Selector screw allows for preset blade depth.

GR-1905 Cable Stripping Tool  
GR-21978 Replacement Blade



GR-1905



**Ripley 2 X 2 & 4 X 4 Cable End Strippers** are designed for 600 volt secondary cable #6 AWG to 500 MCM (concentric, compressed or compacted). Interchangeable bushings strip different cable sizes with a choice of square cut or chamfer cut blades. Guarded cutting blades insure safety while providing precision stripping with no conductor damage. Select 2 bushings when ordering 2 X 2 (RI-36100) and 4 bushings when ordering 4 X 4 (RI-36000).

RI-36100 2 X 2 Plus  
RI-36000 4 X 4 Plus



RI-36100



RI-36000



# STRIPPING



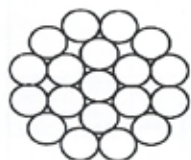
## 2 X 2 & 4 X 4 PLUS Bushings to Square



Square Cut



Concentric  
Strand  
Conductor



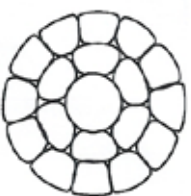
CONDUCTOR SIZE AWG	INSULATION THICKNESS											
	45 MIL			60 MIL			80 MIL			95 MIL		
	Max.	O.D	PART NUM- BER	Max.	O.D	PART NUM- BER	Max.	O.D	PART NUM- BER	Max.	O.D	PART NUM- BER
	(in.)	(mm)		(in.)	(mm)		(in.)	(mm)		(in.)	(mm)	
6	0.290	7.37	10-30030	0.315	8.00	10-32540	-----	-----	-----	0.390	9.91	10-40075
4	0.340	8.64	10-35030	0.365	9.27	10-37540	-----	-----	-----	-----	-----	-----
2	0.390	9.91	10-40030	0.440	11.18	10-45040	0.465	11.81	10-47560	-----	-----	-----
1	-----	-----	-----	0.465	11.81	10-47540	0.515	13.08	10-52560	-----	-----	-----
1/0	-----	-----	-----	0.515	13.08	10-52540	0.565	14.35	10-57560	0.590	14.99	10-60075
2/0	-----	-----	-----	0.565	14.35	10-57540	0.590	14.99	10-60060	0.640	16.26	10-65075
3/0	-----	-----	-----	0.615	15.62	10-62540	0.665	16.89	10-67560	0.690	17.53	10-70075
4/0	-----	-----	-----	0.665	16.89	10-67540	0.715	18.16	10-72560	0.740	18.80	10-75075
MCM	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
250	-----	-----	-----	-----	-----	-----	0.765	19.43	11-77560	0.790	20.07	11-80075
350	-----	-----	-----	-----	-----	-----	0.865	21.97	11-87560	0.890	22.61	11-90075
500	-----	-----	-----	-----	-----	-----	0.990	25.15	11-100060	1.040	26.42	11-105075

Compressed  
Strand  
Conductor



CONDUCTOR SIZE AWG	INSULATION THICKNESS											
	45 MIL			60 MIL			80 MIL			95 MIL		
	Max.	O.D	PART NUM- BER	Max.	O.D	PART NUM- BER	Max.	O.D	PART NUM- BER	Max.	O.D	PART NUM- BER
	(in.)	(mm)		(in.)	(mm)		(in.)	(mm)		(in.)	(mm)	
6	0.290	7.37	10-30030	0.315	8.00	10-32540	-----	-----	-----	0.390	9.91	10-40075
4	0.340	8.64	10-35030	0.365	9.27	10-37540	-----	-----	-----	-----	-----	-----
2	0.390	9.91	10-40030	0.415	10.54	10-42540	0.465	11.81	10-47560	-----	-----	-----
1	-----	-----	-----	0.465	11.81	10-47540	0.515	13.08	10-52560	-----	-----	-----
1/0	-----	-----	-----	0.490	12.45	10-50040	0.540	13.72	10-55060	0.590	14.99	10-60075
2/0	-----	-----	-----	0.540	13.72	10-55040	0.590	14.99	10-60060	0.615	15.62	10-62575
3/0	-----	-----	-----	0.590	14.99	10-60040	0.640	16.26	10-65060	0.665	16.89	10-67575
4/0	-----	-----	-----	0.665	16.89	10-67540	0.690	17.53	10-70060	0.740	18.80	10-75075
MCM	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
250	-----	-----	-----	-----	-----	-----	0.740	18.80	11-75060	0.765	19.43	11-77575
350	-----	-----	-----	-----	-----	-----	0.840	21.34	11-85060	0.890	22.61	11-90075
500	-----	-----	-----	-----	-----	-----	0.965	24.51	11-97560	1.015	25.78	11-102575

Compacted  
Strand  
Conductor



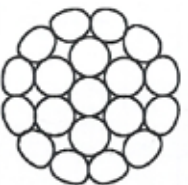
CONDUCTOR SIZE AWG	INSULATION THICKNESS											
	45 MIL			60 MIL			80 MIL			95 MIL		
	Max.	O.D	PART NUM- BER	Max.	O.D	PART NUM- BER	Max.	O.D	PART NUM- BER	Max.	O.D	PART NUM- BER
	(in.)	(mm)		(in.)	(mm)		(in.)	(mm)		(in.)	(mm)	
6	0.290	7.37	10-30030	0.315	8.00	10-32540	-----	-----	-----	0.390	9.91	10-40075
4	0.340	8.64	10-35030	0.365	9.27	10-37540	-----	-----	-----	-----	-----	-----
2	0.390	9.91	10-40030	0.415	10.54	10-42540	0.465	11.80	10-47560	-----	-----	-----
1	-----	-----	-----	0.440	11.18	10-45040	0.490	12.35	10-50060	-----	-----	-----
1/0	-----	-----	-----	0.465	11.81	10-47540	0.515	13.08	10-52560	0.565	14.35	10-57575
2/0	-----	-----	-----	0.515	13.08	10-52540	0.565	14.35	10-57560	0.590	14.99	10-60075
3/0	-----	-----	-----	0.565	14.35	10-57540	0.615	15.62	10-62560	0.640	16.26	10-65075
4/0	-----	-----	-----	0.615	15.62	10-62540	0.665	16.89	10-67560	0.690	17.35	10-70075
MCM	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
250	-----	-----	-----	-----	-----	-----	0.715	18.16	11-72560	0.740	18.80	11-75075
350	-----	-----	-----	-----	-----	-----	0.790	20.07	11-80060	0.840	21.34	11-85075
500	-----	-----	-----	-----	-----	-----	0.915	23.24	11-92560	0.965	24.15	11-97575

Concentric  
Strand  
Conductor



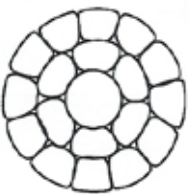
CONDUCTOR SIZE AWG	INSULATION THICKNESS											
	45 MIL			60 MIL			80 MIL			95 MIL		
	Max. (in.)	O.D (mm)	PART NUM- BER	Max. (in.)	O.D (mm)	PART NUM- BER	Max. (in.)	O.D (mm)	PART NUM- BER	Max. (in.)	O.D (mm)	PART NUM- BER
6	0.290	7.37	12-30030	0.315	8.00	12-32540	-----	-----	-----	0.390	9.91	12-40075
4	0.340	8.64	12-35030	0.365	9.27	12-37540	-----	-----	-----	-----	-----	-----
2	0.390	9.91	12-40030	0.440	11.18	12-45040	0.465	11.81	12-47560	-----	-----	-----
1	-----	-----	-----	0.465	11.81	12-47540	0.515	13.08	12-52560	-----	-----	-----
1/0	-----	-----	-----	0.515	13.08	12-52540	0.565	14.35	12-57560	0.590	14.99	12-60075
2/0	-----	-----	-----	0.565	14.35	12-57540	0.590	14.99	12-60060	0.640	16.26	12-65075
3/0	-----	-----	-----	0.615	15.62	12-62540	0.665	16.89	12-67560	0.690	17.53	12-70075
4/0	-----	-----	-----	0.665	16.89	12-67540	0.715	18.16	12-72560	0.740	18.80	12-75075
MCM	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
250	-----	-----	-----	-----	-----	-----	0.765	19.43	13-77560	0.790	20.07	13-80075
350	-----	-----	-----	-----	-----	-----	0.865	21.97	13-87560	0.890	22.61	13-90075
500	-----	-----	-----	-----	-----	-----	0.990	25.15	13-100060	1.040	26.42	13-105075

Compressed  
Strand  
Conductor



CONDUCTOR SIZE AWG	INSULATION THICKNESS											
	45 MIL			60 MIL			80 MIL			95 MIL		
	Max. (in.)	O.D (mm)	PART NUM- BER	Max. (in.)	O.D (mm)	PART NUM- BER	Max. (in.)	O.D (mm)	PART NUM- BER	Max. (in.)	O.D (mm)	PART NUM- BER
6	0.290	7.37	12-30030	0.315	8.00	12-32540	-----	-----	-----	0.390	9.91	12-40075
4	0.340	8.64	12-35030	0.365	9.27	12-37540	-----	-----	-----	-----	-----	-----
2	0.390	9.91	12-40030	0.415	10.54	12-42540	0.465	11.81	12-47560	-----	-----	-----
1	-----	-----	-----	0.465	11.81	12-47540	0.515	13.08	12-52560	-----	-----	-----
1/0	-----	-----	-----	0.490	12.45	12-50040	0.540	13.72	12-55060	0.590	14.99	12-60075
2/0	-----	-----	-----	0.540	13.72	12-55040	0.590	14.99	12-60060	0.615	15.62	12-62575
3/0	-----	-----	-----	0.590	14.99	12-60040	0.640	16.26	12-65060	0.665	16.89	12-67575
4/0	-----	-----	-----	0.665	16.89	12-67540	0.690	17.53	12-70060	0.740	18.80	12-75075
MCM	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
250	-----	-----	-----	-----	-----	-----	0.740	18.80	12-75060	0.765	19.43	13-77575
350	-----	-----	-----	-----	-----	-----	0.840	21.34	13-85060	0.890	22.61	13-90075
500	-----	-----	-----	-----	-----	-----	0.965	24.51	13-97560	1.015	25.78	13-102575

Compacted  
Strand  
Conductor



CONDUCTOR SIZE AWG	INSULATION THICKNESS											
	45 MIL			60 MIL			80 MIL			95 MIL		
	Max. (in.)	O.D (mm)	PART NUM- BER	Max. (in.)	O.D (mm)	PART NUM- BER	Max. (in.)	O.D (mm)	PART NUM- BER	Max. (in.)	O.D (mm)	PART NUM- BER
6	0.290	7.37	12-30030	0.315	8.00	12-32540	-----	-----	-----	0.390	9.91	12-40075
4	0.340	8.64	12-35030	0.365	9.27	12-37540	-----	-----	-----	-----	-----	-----
2	0.390	9.91	12-40030	0.415	10.54	12-42540	0.465	11.80	12-47560	-----	-----	-----
1	-----	-----	-----	0.440	11.18	12-45040	0.490	12.35	12-50060	-----	-----	-----
1/0	-----	-----	-----	0.465	11.81	12-47540	0.515	13.08	12-52560	0.565	14.35	12-57575
2/0	-----	-----	-----	0.515	13.08	12-52540	0.565	14.35	12-57560	0.590	14.99	12-60075
3/0	-----	-----	-----	0.565	14.35	12-57540	0.615	15.62	12-62560	0.640	16.26	12-65075
4/0	-----	-----	-----	0.615	15.62	12-62540	0.665	16.89	12-67560	0.690	17.35	12-70075
MCM	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
250	-----	-----	-----	-----	-----	-----	0.715	18.16	12-72560	0.740	18.80	13-75075
350	-----	-----	-----	-----	-----	-----	0.790	20.07	13-80060	0.840	21.34	13-85075
500	-----	-----	-----	-----	-----	-----	0.915	23.24	13-92560	0.965	24.15	13-97575





RI-WS-5

**Ripley WS 5 End Stripper** is designed for 600 volts to 35 kV cables with 0.260" to 1.265" OD. Strips XLPE, Polyethylene and EPR insulation. Ideal for primary URD cable. Guarded cutting blade prevents injury. Rotating stop bar permits accurate preset lengths up to 4". Bar removable for infinite stripping. Accepts RI-SW2 ratchet wrench for leverage. Must choose bushing insert when ordering SW 5.

RI-WS-5 WS 5



BUSHING SELECTION TABLE					
Cable O.D. to be stripped			Cable O.D. to be stripped		
Max. (in.)	O.D (mm)	BUSHING NUMBER	Max. (in.)	O.D (mm)	BUSHING NUMBER
0.260 - 0.285	6.60 - 7.24	WS 5 - 0.300	0.761 - 0.785	19.33 - 19.94	WS 5 - 0.800
0.286 - 0.310	7.26 - 7.87	WS 5 - 0.325	0.786 - 0.810	19.96 - 20.57	WS 5 - 0.825
0.311 - 0.335	7.90 - 8.51	WS 5 - 0.350	0.811 - 0.835	20.60 - 21.21	WS 5 - 0.850
0.336 - 0.360	8.53 - 9.14	WS 5 - 0.375	0.836 - 0.860	21.23 - 21.84	WS 5 - 0.875
0.361 - 0.385	9.17 - 9.78	WS 5 - 0.400	0.861 - 0.885	21.87 - 22.48	WS 5 - 0.900
0.386 - 0.410	9.80 - 10.41	WS 5 - 0.425	0.886 - 0.910	22.50 - 23.11	WS 5 - 0.925
0.411 - 0.435	10.44 - 11.05	WS 5 - 0.450	0.911 - 0.935	23.14 - 23.75	WS 5 - 0.950
0.436 - 0.460	11.07 - 11.68	WS 5 - 0.475	0.936 - 0.960	23.77 - 24.38	WS 5 - 0.975
0.461 - 0.485	11.71 - 12.32	WS 5 - 0.500	0.961 - 0.985	24.41 - 25.02	WS 5 - 1.000
0.486 - 0.510	12.34 - 12.95	WS 5 - 0.525	0.986 - 1.010	25.04 - 25.65	WS 5 - 1.025
0.511 - 0.535	12.98 - 13.59	WS 5 - 0.550	1.011 - 1.035	25.67 - 26.29	WS 5 - 1.050
0.536 - 0.560	13.61 - 14.22	WS 5 - 0.575	1.036 - 1.060	26.31 - 26.92	WS 5 - 1.075
0.561 - 0.585	14.25 - 14.86	WS 5 - 0.600	1.061 - 1.085	26.95 - 27.56	WS 5 - 1.100
0.586 - 0.610	14.88 - 15.49	WS 5 - 0.625	1.086 - 1.110	27.58 - 28.19	WS 5 - 1.125
0.611 - 0.635	15.52 - 16.13	WS 5 - 0.650	1.111 - 1.135	28.22 - 28.83	WS 5 - 1.150
0.636 - 0.660	16.15 - 16.76	WS 5 - 0.675	1.136 - 1.160	28.85 - 29.46	WS 5 - 1.175
0.661 - 0.685	16.79 - 17.40	WS 5 - 0.700	1.161 - 1.185	29.49 - 30.10	WS 5 - 1.200
0.686 - 0.710	17.42 - 18.03	WS 5 - 0.725	1.186 - 1.210	30.12 - 30.73	WS 5 - 1.225
0.711 - 0.735	18.06 - 18.67	WS 5 - 0.750	1.211 - 1.235	30.76 - 31.37	WS 5 - 1.250
0.736 - 0.760	18.69 - 19.30	WS 5 - 0.775	1.236 - 1.260	31.39 - 32.00	WS 5 - 1.275
-----	-----	-----	1.261 - 1.285	32.03 - 32.64	WS 5 - 1.300



**Speed Systems Insulation Speed Strippers** are designed to remove PE, XLP, EPR and other types of insulation from high voltage power cables. The tool has precise blade depth adjustment. No bushings are required. Speed Stripper also available with SP-1700 Semi-Con scorer combined with tool. Cable OD range 1/2" - 1-3/4".

SP-1542-2CL Speed Stripper  
 SP-1542-2AS w/Semi-Con Scorer  
 SP-1562 Wedge Blade



**SP-1542-2CL**



**Ripley Banana Peeler** (Semi-Con Scorer) has an adjustable spring loaded blade for precise scoring of depths from 1-90 mils. Designed for "strippable" semi-con URD cable shield. Teflon coated cable guide allows for one hand scoring on circumference and length. Unique cartridge adapts to out of round cables. RI-34230 Replacement Blade.



**RI-BP-A**

RI-BP-A 0.375"-0.750" O.D. Cable Range  
 RI-BP-1A 0.75" - 1.25" O.D. Cable Range  
 RI-BP-2A 1.25" - 2.00" O.D. Cable Range  
 RI-34230 Replacement Blade



**Speed Systems Semi-Con Scorers** have adjustable blade depth (0.001" - 0.100") for scoring the semi-conductive shield of high-voltage cable so the semi-con can be removed without nicking or damaging the cable insulation. Leaf springs maintain consistent pressure during operation and will cut square or spiral.

SP-1700-SS 0.50" - 2.00 " O.D. Cable Range  
 SP-1800-SS 1.75" - 3.00" O.D. Cable Range  
 SP-1678 Replacement Blade



**SP-1700-SS**



# WRENCHES



**CHANNELLOCK Adjustable Wrenches** have extra capacity jaws to support larger nuts and bolts. They feature a measurement scale to determine size of nuts, pipes etc... while using the tool. Longer jaws grip better by avoiding slippage or nut round off. Thinner jaws for greater access in tight spaces.



CK-806W	6" OAL, 0.983" Capacity
CK-808W	8" OAL, 1.18" Capacity
CK-810W	10" OAL, 1.375" Capacity
CK-812W	12" OAL, 1.50" Capacity
CK-815W	15" OAL, 1.69" Capacity
CK-818W	18" OAL, 2.13" Capacity
CK-824W	24" OAL, 2.44" Capacity

**Klein Extra-capacity Jaw Designed Adjustable Wrenches**, open (3/16)" wider than standard design wrenches. Extra capacity allows use of smaller size wrench to allow for larger jobs. Ideal for use in confined spaces. Available with chrome plated, plastic dipped or heavy duty plastic



KL-507-10



KL-D507-10

KL-507-6	6" OAL, Chrome, 15/16" Capacity
KL-507-8	8" OAL, Chrome, 1-1/8" Capacity
KL-507-10	10" OAL, Chrome, 1-5/16" Capacity
KL-507-12	12" OAL, Chrome, 1-1/2" Capacity
KL-D507-6	6" OAL, Plastic, 15/16" Capacity
KL-D507-8	8" OAL, Plastic, 1-1/8" Capacity
KL-D507-10	10" OAL, Plastic, 1-5/16" Capacity
KL-D507-12	12" OAL, Plastic, 1-1/2" Capacity



**Greenlee Composite Handle Adjustable Wrench** has a wide capacity jaw and is precision machined to tight tolerances for professional feel and smooth operation. Measuring scale on head for easy sizing.



GR-56320	8" OAL
GR-56321	10" OAL
GR-56322	12" OAL





**Stanley Proto Heavy-Duty Adjustable Pipe Wrench** has a full floating hook jaw which provides instant grip and easy release. Large knurl and power threads provide fast positive jaw adjustment.

PT-824HD 4" Jaw Opening, 24" OAL

**PROTO**



PT-824HD

**Klein Combination Wrenches** are forged from the highest quality alloy steel with a durable chrome plated finish. Open ends are offset at standard 15° angle for confined working areas and box ends have 15° angle offset to provide clearance over obstructions. Box ends have 12 point. Combination wrenches are available in 7, 9, 12 and 14-piece wrench sets. Wrench sets include pouch with marked pockets for each wrench. Metric wrenches and sets are also available.

- KL-68410 1/4", 5-1/8" OAL
- KL-68411 5/16", 4-3/8" OAL
- KL-68412 3/8", 6-1/8" OAL
- KL-68413 7/16", 6-5/8" OAL
- KL-68414 1/2", 7-1/8" OAL
- KL-68415 9/16", 7-1/2" OAL
- KL-68416 5/8", 8-1/2" OAL
- KL-68417 11/16", 9" OAL
- KL-68418 3/4", 9-7/8" OAL
- KL-68419 13/16", 10-5/8" OAL
- KL-68420 7/8", 11-1/2" OAL
- KL-68421 15/16", 12-1/2" OAL
- KL-68422 1", 13-1/4" OAL
- KL-68423 1-1/16", 14-1/4" OAL
- KL-68424 1-1/8", 15-1/2" OAL
- KL-68425 1-1/4", 16-3/4" OAL
- KL-68400 7-Piece Set
- KL-68402 9-Piece Set
- KL-68404 12-Piece Set
- KL-68406 14-Piece Set



KL-68418



# WRENCHES



**Klein Erection Wrenches** are drop-forged from alloy steel to withstand high-leverage and heavy loads. Wrench handle features deep-offset to provide additional hand clearance to provide additional hand clearance without sacrificing tightening power. Continuous taper of handle makes lining-up bolt holes easy, allows use on a range of bolt-hole sizes without binding. Available in U.S. heavy, U.S. regular, and Utility nut sizes. Catalog #, bolt size and nominal opening size are stamped on every wrench for easy identification. American Bridge Design. Utility Nut Type, 3/4" Bolt Size, 1-1/16" nominal opening, 16- 1/2" length.

KL-3210	1/2" Bolt Size, 7/8" Opening, 14-1/2" OAL
KL-3211	5/8" Bolt Size, 1-7/16" Opening, 14-1/2" OAL
KL-3212	3/4" Bolt Size, 1-1/4" Opening, 16-1/2" OAL
KL-3213	7/8" Bolt Size, 1-7/16" Opening, 17-1/4" OAL
KL-3214	1" Bolt Size, 1-5/8" Opening, 17-11/16" OAL
KL-3219	1/2" Bolt Size, 3/4" Opening, 14-5/8" OAL
KL-3220	1/2" Bolt Size, 13/16" Opening, 14-1/2" OAL
KL-3221	5/8" Bolt Size, 1" Opening, 14-3/4" OAL
KL-3222	3/4" Bolt Size, 1-1/8" Opening, 16-1/2" OAL
KL-3223	7/8" Bolt Size, 1-5/16" Opening, 17-1/4" OAL
KL-3224	1" Bolt Size, 1-1/2" Opening, 17-11/16" OAL
KL-3231	5/8" Bolt Size, 15/16" Opening, 14-3/4" OAL
KL-3232	3/4" Bolt Size, 1-1/16" Opening, 16-1/2" OAL
KL-3238	15", 1/2" Square-Drive Hex Drive
KL-3239	15", 1/2" Capacity



KL-3221



**Klein 1/2" Drive Ratcheting Erection Wrench** accepts 1/2" square-drive hex sockets. Eliminates the need for carrying several fixed-size wrenches. Dropped forged from alloy steel. Continuous taper of handle makes lining-up bolt holes easy, allows use on a range of bolt-hole sizes without binding.



KL-3238

KL-3238 15", 1/2" Square-Drive Hex Drive



**Klein Adjustable-Head Erection Wrench** fits all nuts and bolts up to 1 1/2". Eliminates the need for carrying several fixed-size wrenches. Dropped forged from alloy steel. Continuous taper of handle makes lining-up bolt holes easy, allows use on a range of bolt-hole sizes without binding.



KL-3239

KL-3239 15", 1/2" Capacity



# WRENCHES



**Klein Classic Folding Hex-Key Sets** are constructed of tough heat treated alloy steel. Hex-Key ends are square cut for a secure full-depth fit and maximum contact to prevent slippage and stripping of the socket.



KL-70591 9 Key, 5/34", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"  
 KL-70581 8 Key, 1/2", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32"  
 KL-70583 8 Key, 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"  
 KL-70579 5 Key, 3/16", 7/32", 1/4", 5/16", 3/8"

**Klein T-Handle Hex-Keys** are constructed of tough heat treated alloy steel. T-Handle design delivers more torque to the fasteners. Available in 6" and 9" lengths and in a 10 piece set.

KL-76206 3/32"  
 KL-76207 7/64"  
 KL-76208 1/8"  
 KL-76209 9/64"  
 KL-76210 5/32"  
 KL-76212 3/16"  
 KL-76214 7/32"  
 KL-76216 1/4"  
 KL-76220 5/16"  
 KL-76224 3/8"  
 KL-76232 1/2"  
 KL-70152 10 Piece Set, 6"  
 KL-79206 3/32"  
 KL-79207 7/64"  
 KL-79208 1/8"  
 KL-79209 9/64"  
 KL-79210 5/32"  
 KL-79212 3/16"  
 KL-79214 7/32"  
 KL-79216 1/4"  
 KL-79220 5/16"  
 KL-79224 3/8"  
 KL-79232 1/2"  
 KL-70153 10 Piece Set, 9"

KL-70153



# WRENCHES



KL-3146B



KL-3146



KL-3146 Standard, 5/8" Hardware, Large End 1-3/32" & 29/32"  
Small End 13/16" & 5/8"

KL-3146B Bell System, NEMA Hardware, Large End 1-1/16" & 1-3/16"  
Small End 11/16" & 7/8"



KL-KT151T



KL-KT155THD

**Klein Ratcheting Linemen's Wrenches** have a unique bolt-through design that makes them ideal for tightening nuts and bolts on flanges, couplings, saddles, or long threaded shafts. Enclosed ratcheting mechanism with reversible control head. Triple Combination Square Socket for the most common utility hardware, 1" x 1-1/8" on one side and 3/4" socket on the other side. The Linemen's Socket will fit 1/2", 5/8", and 3/4" hardware which is most common on utility poles, lag bolts, 'C' clamps, and suspension bolts. Also available as a 5-in-1 design featuring a unique ratcheting box wrench on the other end with 2 wrench sizes: 9/16" & 3/4". Optional standard or heavy duty riveted stamped



KL-KT151T 13" OAL

KL-KT155T 5-in-1, 9-3/8" OAL, Standard

KL-KT155HD 5-in-1, 9-3/8" OAL, HD

RL-REL-LTRW



RL-REL-LTW

**Reliable Ratcheting Linemen's Wrenches** have a unique bolt-through design that makes them ideal for tightening nuts and bolts on flanges, couplings, saddles, or long threaded shafts. Distribution 3-1 Square Socket for the most common utility hardware, 1" x 1-1/8" on one side and 3/4" socket on the other side. The Linemen's Socket will fit 1/2", 5/8", and 3/4" hardware which is most common on utility poles, lag bolts, 'C' clamps, and suspension bolts. Transmission 2-1 square socket for the most common utility tower hardware; 1-1/4 square nuts on 3/4" hardware, and 1-3/8" square nuts on 7/8" hardware, as well as 1-1/2" hex nuts.



RL-REL-LTW Distribution LW, 13" OAL

RL-REL-LTRW Transmission LW, 17" OAL



The Speed Systems "Transformer" Ratcheting Wrenches are designed to provide end-to-end isolation for maximum safety. The RBW Wrenches have an ergonomically designed handle with a center window displaying the separation of the wrench ends. The wrenches are available with a variety of hex wrench options.

SP-RBW-1 5/16" Hex Shaft, Extended 1-1/2"



**Rauckman Utility Bugwrenches** allow line workers to carry one tool that will install hundreds of different connectors. The Bugwrenches have a 1000 volt rating and a visual indicator to alert the operator of the appropriate isolated area.

RK-BW2093P 5/16" Allen & Straight Penta Socket  
RK-BW223 9/16" Box & 3/4" Box



RK-BW2093P



RK-BW223

**Klein Insulated Linemen's Box Wrench** combines two popular wrench sizes, 9/16" & 3/4". Meets ASTM F1505-07 1000 volt rating. Innovative see through handle confirms metal wrench ends are not connected.

KL-KT223-INS 9/16" X 3/4" Insulated, 8-1/4" OAL



KL-KT223-INS



The Klein Ratchet Box Sets are packed in heavy plastic roll-up pouch. Wrenches flip over to reverse ratchet. Sets are available in 5 & 7 piece kits. 5 piece set contains: 3/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 5/8" x 3/4". 7 piece set contains: 3/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 5/8" x 3/4", 11/16" x 3/4", 13/16" x 7/8".

KL-68200 1/4"x5/16", 4 3/8" OAL  
KL-68201 3/8"x7/16", 5 1/2" OAL  
KL-68202 1/2"x9/16", 6 7/8" OAL  
KL-68203 5/8"x11/16", 8 1/4" OAL  
KL-68204 5/8"x3/4", 8 1/4" OAL  
KL-68205 11/16"x3/4", 9 1/4" OAL  
KL-68206 13/16"x7/8", 9 1/4" OAL  
KL-68221 Set: 5-Piece  
KL-68222 Set: 7-Piece



KL-68221





# WRENCHES



KL-65504



**The Klein 12-Piece 3/8" Drive Socket-Wrench Set** consists of (4) 6-point sockets: 3/8", 7/16", 1/2" and 9/16". (4) 12-point sockets: 5/8", 11/16", 3/4" and 13/16". (1) Sparkplug socket. (2) Extensions: 13/4" and 6" long. (1) 3/8" drive ratchet. Set comes packaged in hinged metal box.

KL-65504 12-Piece, 3/8" Drive Set



KL-65502

**Klein 8-Piece 3/8" Drive Deep Socket Set** consists of (8) 6-point deep sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" & 13/16". Set is packaged in hinged metal box.

KL-65502 8-Piece, 3/8" Drive Deep



KL-65510



**Klein 12-Piece 1/2" Drive Socket-Wrench Set** consists of (9) 12-point sockets: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8" & 15/16". (1) 5" Extension. (1) 5/8" Sparkplug socket. (1) 1/2" Drive Ratchet. Comes packaged in hinged metal box.

KL-65510 12-Piece, 1/2" Drive Set



KL-65514

**Klein 8-Piece 1/2" Drive Deep Socket Set** consists of (8) 12-point deep sockets: 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8" & 15/16". Set is packaged in hinged metal box.

KL-65514 8-Piece, 1/2" Drive Deep Socket



# WRENCHES



**Stanley Proto 18-Piece 1/2" Drive Socket Set** consists of (18) 12-point sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", 1/2" ratchet drive, 5" extension, 15-3/4" hinge handle drive. Set comes packaged in hinged metal box.

PT-54120 18-Piece, 1/2" Drive



PT-54120



**Stanley Proto 15-Piece 1/2" Drive Socket Set** consists of (15) 12-point sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", & 1-1/4". Sockets are mounted on 17" socket bar with clips.

PT-54114 15-Piece, 1/2" Drive



PT-54114

**Stanley Proto 7-Piece 1/2" Drive Hex Bit Set** consists of: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16" & 5/8" hex bits and 9" socket bar with clips.

PT-5441-7 Set 7-Piece, 1/2" Drive Hex Bit



PT-5441-7

**Stanley Proto 6-Piece 1/2" Drive Extra Long Hex Bit Set** consists of: 1/4", 5/16", 3/8", 1/2", 9/16" & 5/8" hex bits and 9" socket bar with clips.

PT-5441-6XL 6-Piece, 1/2" Drive Extra Long



PT-5441-6XL

# WRENCHES



The Speed Systems "Transformer" Penta Sockets have stainless steel Penta socket welded to a 3/4" hex socket with a square drive in the center of assembly. Available with 3/8" drive or 1/2" drive. When used on socket extension, socket can be reversed using either end.

SP-PHS-1 Penta/Hex Socket w/ 3/8" Drive  
SP-PHS-2 Penta/Hex Socket w/ 3/4" Drive



SP-PHS-1

SP-PHS-2

The Speed Systems "Transformer" Isolated Hex Extension is designed for use with a socket or torque wrench where total isolation is required between the socket and extension. For use on secondary set screw bar connectors. Isolation is constructed of thick-walled filament wound fiberglass.


**SP-ISE-4**

SP-ISE-4 5/16" Hex Shaft & 3/8" Drive


**SP-PHW-1**

The Speed Systems "Transformer" Penta/Hex Wrench 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.

SP-PHW-1 Penta/Hex Socket & 3/4" Hex





# ANCHORING

Chance's **PISA® Anchor Installing Tool Systems** consist of: Kelly Bar Adapter, Torque Indicator, Locking Dog Assembly and Drive-End Wrench Assembly. **The Standard Drive-End Wrenches** (orange tipped) install 8000 or 10,000 ft.-lb. (small hub) Tough One® Anchors. 4000 ft.lb. standard-strength PISA Anchors or 6000 ft.-lb. mid-strength PISA Anchors. **Hybrid Drive-End Wrenches** (yellow tipped) install 8000 ft.-lb. (large hub) Tough One® Anchors, 6000 ft.-lb. PISA 6 Anchors and 7000 ft.-lb. PISA 7 Anchors. Tough One® Drive-End Wrenches (red tipped) install 8000 & 15,000 ft.-lb. (large hub) Tough One® Anchors and 1-1/2" core anchors. Drive-End Wrenches & Extensions are available in 3-1/2' and 7' lengths.



**TEREX®**



CH-C102-1583



CH-C303-1064

- CH-C102-1583 7' Standard Drive-End Wrench, Orange
- CH-C303-1064 7' Hybrid Drive-End Wrench, Yellow
- CH-C102-1595 3-1/2" Standard Drive-End Wrench, Orange
- CH-C303-1063 3-1/2" Hybrid Drive-End Wrench, Yellow
- CH-C630027 3-1/2" Standard Extension
- CH-C630028 7' Standard Extension
- CH-C303-0982 3-1/2' Tough One® Drive-End Wrench, Red
- CH-C303-0983 7' Tough One® Drive-End Wrench, Red
- CH-C303-0987 3-1/2' Tough One® Extension
- CH-C303-0988 7' Tough One® Extension



**Chance Standard Kelly Bar Adapters** have 6 holes for 1/2" bolts on a 5-1/4" bolt circle and come with (6) 1/2" grade 5 bolts, nuts, lock washers and bent arm pin with coil lock. Tough One® Kelly Bar Adapters have 12 holes for 5/8" bolts on a 7-5/8" bolt circle. Comes with (12) 5/8" grade 2 bolts, nuts, lock washers and bent arm pin with coil lock.



CH-630011HD

- CH-630013 2" Hex, 5-1/4" Bolt Circle w/6 Holes
- CH-630011HD 2-1/2" Hex, 5-1/4" Bolt Circle w/6 Holes
- CH-630012HD 2-5/8" Hex, 5-1/4" Bolt Circle w/6 Holes
- CH-630014 2-1/4" Square, 5-1/4" Bolt Circle w/6 Holes
- CH-630015 2-1/2" Square, 5-1/4" Bolt Circle w/6 Holes
- CH-C303-0940 3" Hex, 7-5/8" Bolt Circle w/12 Holes, Tough One®
- CH-C303-1227 3" Square, 7-5/8" Bolt Circle w/12 Holes, Tough One®



**Chance Standard Locking Dog Assembly** has 6 holes for 1/2" bolts on a 5-1/4" bolt circle and comes with (6) 1/2" grade 5 bolts, nuts and lock washers. The Tough One® Locking Dog Assembly has 12 holes for 5/8" bolts on a 7-5/8" bolt circle and comes with (12) 5/8" grade 2 bolts, nuts and lock washers.



CH-C303-0069HD

- CH-C303-0069HD Standard Locking Dog Assembly
- CH-C303-0981 Tough One® Locking Dog Assembly





**Chance Drive Tools** are designed for installing SS5, SS150 or RR anchors. The drive tool requires the appropriate kelly bar adapter. Drive tool comes complete with bolts, nuts and lockwashers.

- CH-639001 SS5, SS150 or RR Drive Tool.(6) 1/2" Holes on 5 1/4" B.C.
- CH-303-0195 SS175 Drive Tool.(12) 5/8" Holes on 7 5/8" B.C.
- CH-303-0201 SS200 Drive Tool.(12) 5/8" Holes on 7 5/8" B.C.
- CH-303-0202 SS225 Drive Tool.(12) 5/8" Holes on 7 5/8" B.C.



**CH-639001**



**Chance Drive Tools** are designed for installing SS5, SS150 or RR anchors. The drive tool requires the appropriate kelly bar adapter. These drive tools slide into locking dog adapter and are retained by spring loaded dogs.

- CH-C303-0020 SS5, SS150 or RR Drive Tool. Fits Standard Locking Dog Assembly
- CH-C303-1035 SS5, SS150 or RR Drive Tool. Fits Tough One Locking Dog Assembly
- CH-T303-1403 SS175 Drive Tool. Fits Tough One Locking Dog Assembly
- CH-C303-1077 SS200 Drive Tool. Fits Tough One Locking Dog Assembly



**CH-C303-0020**



**Chance's PISA® Anchor Installing Tool Systems** consist of: Kelly Bar Adapter, Torque Indicator, Locking Dog Assembly and Drive-End Wrench Assembly. The Torque Indicator is adaptable to either 5-1/4" or 7-5/8" bolt circle. The Torque Indicator is available in digital and analog.

- CH-C303-1578 Digital Torque Indicator
- CH-C303-1340 Analog Torque Indicator



**CH-C303-1578**

**Chance's Anchor Expanding (Buster) Bar** simplifies the job of expanding anchors by distributing the weight of the bar evenly around the anchor rod to reduce handle vibration. The hook of the expanding and tamping bar wraps around the anchor rod to keep the expanding head from slipping off the anchor top plate. This tool is also effectively used for tamping in soil above the installed anchor. The base casting is attached directly to the fiberglass handle.

- CH-C302-0003 10' Expanding & Tamping Bar
- CH-C302-0004 12' Expanding & Tamping Bar



**CH-C302-0003**

# AXES, HOOKS & MATTOCKS



**STIHL's Precision Axes** are constructed from premium hardwood handles and drop-forged heads with precision ground edge.

SI-PA20 19-3/4" Ash Handle, 2.9 lb Head  
 SI-PA50 29-1/2" Ash Handle, 4.4 lb Head  
 SI-PA80 33" Hickory Nut Handle, 6.6 lb Head

**STIHL**

**Council Tool's Bush Hooks** are constructed with solid hickory hardwood handles and solid steel double edge blades.

CU-1436 36" Hickory Handle, 14" Double Edge Blade  
 CU-640C 40" Hickory Handle, 16" Double Edge Blade

**Nupla's Ergo Power® Bush Hooks and Mattocks** have injection molded plastic over fiberglass handles for a smooth finish and superior strength.

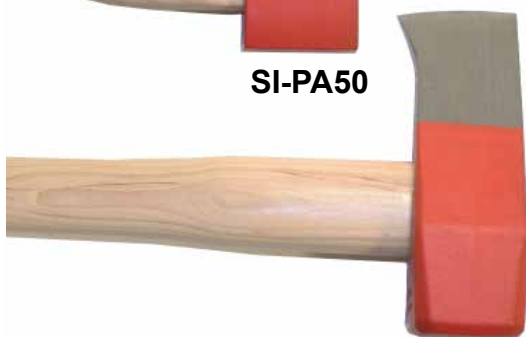
NU-72940 36" Fiberglass Handle, 17" Double Edge Blade  
 NU-24552 36" Fiberglass Handle, Mattock



SI-PA20



SI-PA50



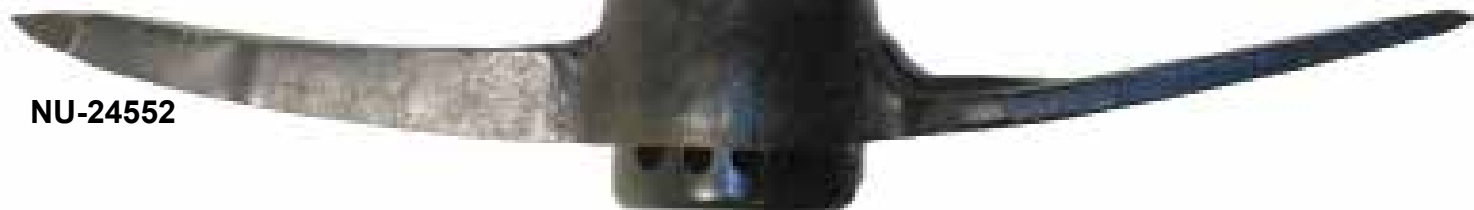
SI-PA80



CU-1436



NU-72940



NU-24552



**Hisco's Cant Hooks** are manufactured with solid fiberglass handles. Unsurpassed in strength. Available with 10" and 12" drop forged steel hooks with pencil point tips.

HI-HI48CHS-10 Fiberglass Cant, 48" Handle, 10" Hook  
HI-HI48CHS-12 Fiberglass Cant, 48" Handle, 12" Hook



**HI-HI48CHS-10**

**Oshkosh's Cant Hooks and Peavies** are constructed with hard wood handles and high carbon steel hooks. They are designed for balance and easy handling of utility poles and logging. Cant Hooks have teeth on the toe ring which provide a tight grip on a wide range of poles. Peavies have a spike with a sharp point on the toe ring which provides an aggressive method of maneuvering poles and logs. Cant Hooks/Peavies are available in various sizes. \*Adding an extension or mechanical force on the handle can result in tool damage and serious injury to the user.

OS-199A Cant, 2-1/2" X 4' Handle, 8" Hook  
OS-199 Cant, 2-1/2" X 4' Handle, 9" Hook  
OS-200 Cant, 2-1/2" X 4'6" Handle, 9" Hook  
OS-200-483 Cant, 2-1/2" X 4'6" Handle, 10-1/2" Hook  
OS-201 Cant, 2-1/2" X 5' Handle, 9" Hook  
OS-201-483 Cant, 2-1/2" X 5' Handle, 10-1/2" Hook  
OS-206 Cant, 2-3/4" X 6' Handle, 10-1/2" Hook



**OS-201**

**Dixie Industries Cant Hooks** are manufactured from top quality straight grain white mountain hickory hardwood, kiln dried to 18% moisture content, then precision cut to an exact fit. Aluminum handles are made of anodized aluminum which lasts considerably longer than non-anodized aluminum when used in wet or corrosive work environments. Duckbill Hooks are drop forged with the bills ground to a fine point. Clasps and extension toe rings are ductile iron castings for long lasting service. Replacement parts including handles, duckbill hooks, extension toe rings and clasps are available.

CF-06250 Cant, 2-1/2" X 4'6" Handle, 9" Hook  
CF-06260 Cant, 2-1/2" X 5' Handle, 9" Hook



**CF-06250**



# DIGGING BARS & SOIL PROBES



Oshkosh's Digging Bars are constructed of high carbon hardened steel. Three types of digging bars available: Crow & Digging, Tamp & Digging, and Digging Spud w/Tamper. The crow and digging bars have a 2" chisel on one end and are pointed on the other end. This product is used primarily for splitting or separating wood, concrete or metal forms. Round tamp and digging bars have a 2" chisel on one end and a malleable iron tamper on the opposite end. Digging spud with tamper is the preferred digging tool. The Digging Spud is made from 1" steel pipe for easy gripping, is well balanced and easy to use. The 3-1/2" blade is hammer forged from high carbon steel, press fitted and welded onto the pipe. \*Anything over 8' has to be shipped via Motor Freight.

OS-1061 7' X 1" Crow & Digging  
OS-1062 8' X 1" Crow & Digging  
OS-1063 6' X 1" Crow & Digging  
OS-1064 7' X 1-1/8" Crow & Digging  
OS-1065 8' X 1-1/8" Crow & Digging  
OS-1066 9' X 1-1/8" Crow & Digging  
OS-1067 10' X 1-1/8" Crow & Digging  
OS-1068 12' X 1-1/8" Crow & Digging



**Digging**



**Crow**



**Wedge**



**Ball**

**Nupla Fiberglass Digging Bars** are constructed with hardened steel ends and solid Nuplaglas® handle. Nuplaglas® TCP pultrusion is twice as strong as typical fiberglass. Nupla utilizes an optimal 70-75% fiberglass to resin formulation to produce maximum strength handles with a smooth finish. Fiberglass digging bars deliver the force of steel with less weight.



NU-69354 6' Bar with Wedge and Ball  
NU-69355 8' Bar with Wedge and Ball



**HI-HIUP-48**



HI-HIUP-36 Probe, 36" Handle  
HI-HIUP-42 Probe, 42" Handle  
HI-HIUP-48 Probe, 48" Handle  
HI-HIEP-60 Probe, 60" Handle  
HI-HIA455 Replacement Pointed Steel Tip



**NU-69401**

**Nupla's Classic® Soil Probes** are constructed of super duty Nuplaglas® which provide exceptional strength and has a durable metal tip. Available with standard diameter shaft or heavy duty diameter shaft for difficult terrain. Also available in 48" or 60" lengths.



NU-69401 Probe, 48" Standard w/Metal Tip  
NU-69405 Probe, 48" Heavy Duty w/Metal Tip



**Hisco's Post Hole Diggers** are stamped from solid steel. The blade head is 9-1/2" L by 6-1/2" W with a 6-1/4" spread. Premium fiberglass handles have a solid wood core molded Ergo-Power® grip handles. Handles have double-dip tuftfoam grip.

- HI-HIPHD4 Post Hole Digger, 48" Handle
- HI-HIPHD6 Post Hole Digger, 72" Handle
- HI-HIPHD8 Post Hole Digger, 96" Handle
- HI-HIPHD10 Post Hole Digger, 120" Handle



**Nupla's Classic® Post Hole Diggers** are constructed of super duty Nuplaglas® which provide exceptional strength and have butt grip non-slip comfort and secure holding. Blades are constructed from 14 gauge steel, 15" length and 6-1/2" diameter and have a closed back blade design.

- NU-69548 Post Hole Digger, 48" Handle
- NU-69562 Post Hole Digger, 72" Handle
- NU-69596 Post Hole Digger, 96" Handle
- NU-69598 Post Hole Digger, 120" Handle

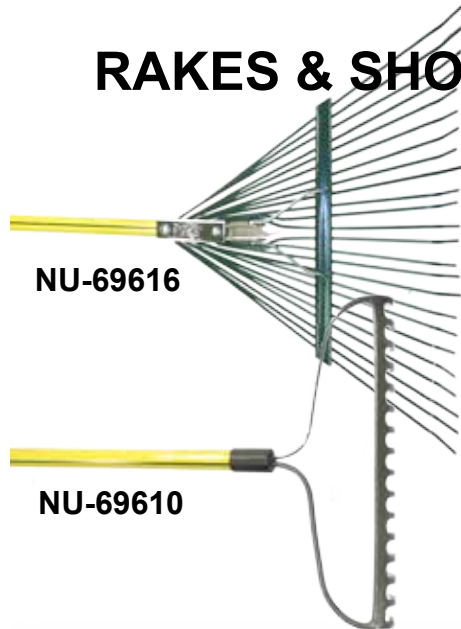


**Oshkosh's Post Hole Diggers** are available with split handle and solid handle operation. The split handle design allows the operator to perform a forward-and-back motion, similar to a scissor type motion. This design has a wider blade opening which allows for a larger whole to be dug. The solid handle design allows the operator to perform a side-to-side motion to capture the load which is standard for post hole diggers. The operating action begins with the handles together and the handles are then pulled apart to capture the load. The blades are made of heavy gauge alloy steel which are welded to the fulcrum bracket, therefore no rivets are present to shear off. Two bolts hold each handle securely to digger head making them easy to replace when necessary. \*Anything over 8' has to be shipped via Motor Freight.

- OS-2051-6 6' Solid Handle
- OS-2051-7 7' Solid Handle
- OS-2051-8 8' Solid Handle
- OS-2051-9 9' Solid Handle
- OS-2051-10 10' Solid Handle
- OS-2051-12 12' Solid Handle
- OS-2050-6 6' Split Handle
- OS-2050-7 7' Split Handle
- OS-2050-8 8' Split Handle
- OS-2050-9 9' Split Handle
- OS-2050-10 10' Split Handle
- OS-2050-12 12' Split Handle



# RAKES & SHOVELS

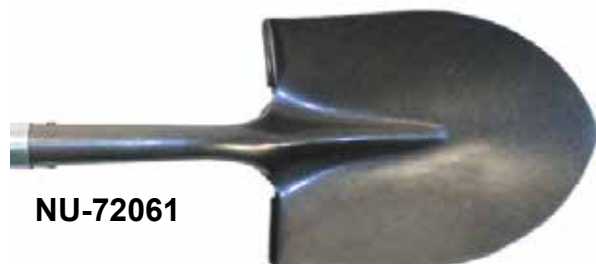


NU-69616

NU-69610

**Nupla's Classic Rakes** are constructed of super duty Nuplaglas® which provide exceptional strength and have butt grip non-slip comfort and secure holding. Classic handles have round smooth finish with cushion grip butt end.

NU-69616 Bow Rake, 60" Fiberglass Handle, 16 Tine Steel Head  
NU-69610 Leaf Rake, 54" Fiberglass Handle, 24" Steel Head



NU-72061



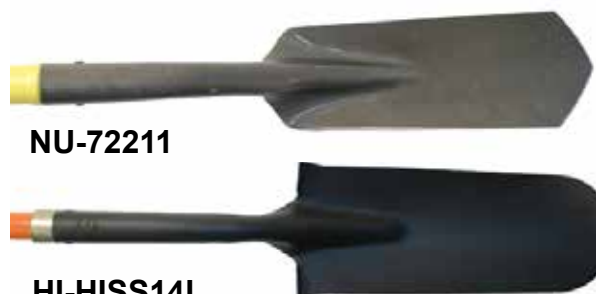
NU-72071

**Nupla's Industrial Shovels and Spades** are constructed with molded Ergo-Power® grip handles and feature a variety of blade types. Handles are also available with a butt grip for non-slip comfort, D-grip for secure pushing and pulling or end cap to protect end of handle. Blades are hollow back, which is the most popular choice because of it's lightweight design.

NU-72061 Round Pt, 48" 14 Gauge, 9" X 11-1/2"  
NU-72071 Square Pt, 48" 16 Gauge 9-7/8" X 11-1/2"  
NU-72091 Sharp Shooter, 48" 16 Gauge, 4-3/4" X 14"  
NU-72211 Trenching, 48" 16 Gauge, 4" X 12" Curved



NU-72211



HI-HISS14L



HI-HIRTMSL

**Hisco's Shovels and Spades** are stamped from a single piece of steel with forward turned steps for secure and comfortable foot placement. Premium fiberglass handles have a solid wood core, molded Ergo-Power® grip handles and feature a variety of blade types. Handles are also available with a double-dip tufoam grip for non-slip comfort or D-grip for secure pushing and pulling.

HI-HISS14L 14" Drain Spade, 48" Double Dip  
HI-HISS16L Handle  
HI-HISS16D 16" Drain Spade, 48" Double Dip  
HI-HIRTMSL Handle  
HI-HISPMSL 16" Drain Spade, 28" D-Grip Handle

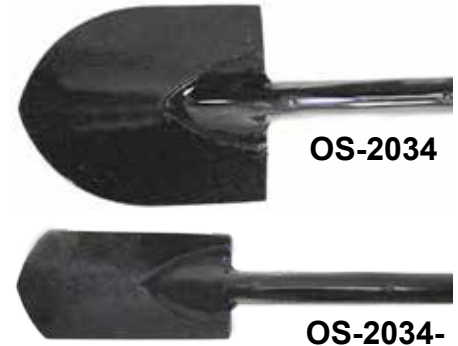


# SHOVELS, SPOONS & TAMPS



**Oshkosh's Straight Shovels** are made with hard wood handles and have high carbon steel blades. The blade is forged and heat treated with a straight pattern for effective use in deep holes. The blades are available in a standard 10" or narrow 6" width. The shovel traps and handle have footage markers to indicate hole depth. \*Anything over 8' has to be shipped via Motor Freight.

OS-2032	7' Ash Handle, 10" Blade Width
OS-2033	8' Ash Handle, 10" Blade Width
OS-2034	9' Ash Handle, 10" Blade Width
OS-2035	10' Ash Handle, 10" Blade Width
OS-2036	12' Ash Handle, 10" Blade Width
OS-2032-6	7' Ash Handle, 6" Blade Width
OS-2033-6	8' Ash Handle, 6" Blade Width
OS-2034-6	9' Ash Handle, 6" Blade Width
OS-2035-6	10' Ash Handle, 6" Blade Width
OS-2036-6	12' Ash Handle, 6" Blade Width



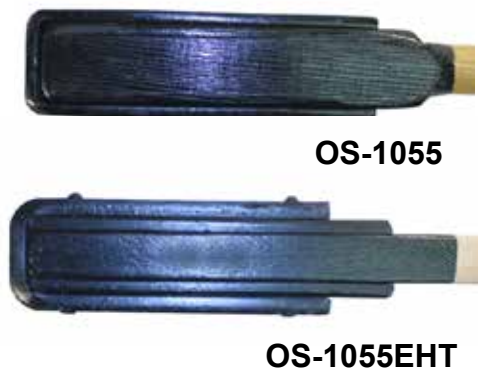
**Oshkosh's Spoon "Shovels"** are available with Western Pattern blade design for harder clay like soils. Eastern Pattern blade design for lighter sandier soils. Both designs have a scoop shape for lifting mud, water and backfill from deep holes. The shovel straps and handles have footage markers to indicate hole depth. \*Anything over 8' has to be shipped via Motor Freight.

OS-2023	7' Western Spoon
OS-2023E	7' Eastern Spoon
OS-2024	8' Western Spoon
OS-2024E	8' Eastern Spoon
OS-2025	9' Western Spoon
OS-2025E	9' Eastern Spoon
OS-2026	10' Western Spoon
OS-2026E	10' Eastern Spoon
OS-2027	12' Western Spoon
OS-2027E	12' Eastern Spoon



**Oshkosh's Tamping Bars** are used to flatten and smooth dirt, stone, asphalt and other aggregate. The Tamping Bars are available with hard wood handles or hardened 1" diameter steel stock. The Steel Tamping Bars have a 4" round tamping head on one end and a 6" x 3-3/4" oval shape tamping head on the other end. The wooden handle tampers are available in different weights and a variety of handle lengths. \*Anything over 8' has to be shipped via Motor Freight.

OS-1044	8' Steel
OS-1054	7' Wood, Heavy Weight
OS-1055	8' Wood, Heavy Weight
OS-1056	9' Wood, Heavy Weight
OS-1057	10' Wood, Heavy Weight
OS-1058	12' Wood, Heavy Weight
OS-1054EHT	7' Wood, Extra Heavy Weight
OS-1055EHT	8' Wood, Extra Heavy Weight
OS-1056EHT	9' Wood, Extra Heavy Weight





# TAMPS, DRIVERS & SLEDGE HAMMERS



**Hisco's Tamping Bars** are constructed with fiberglass handles. Available with curved or rectangular tamping heads.

- HI-HICT-8 8' Fiberglass Tamp, Curved Head
- HI-HICT-8 8' Fiberglass Tamp, Rectangular Head



**Reliable Manual Ground Rod Drivers** provide an effective alternative to auger type grounding devices in situations where the work surface is extremely hard or frozen. The driver is designed to handle an 8' rod while standing on the ground and drive the rod below the grade without the need of additional tools. It handles the job with relative ease and contains the impact force within the unit. A 5' section of 5/8 inch copper clad threaded ground rod is included with the temporary ground rod drivers. The temporary ground rod drivers allow the ground rod to be installed or removed. A threaded adapter is available for the temporary ground rod driver to allow ground rods to be permanently installed. The permanent or temporary drivers are available with a straight shaft or with "D" style handles.

- RL-REL-MGRDNH Permanent Grd. Rod Driver w/o Handles
- RL-REL-MGRDH Permanent Grd. Rod Driver with Handles
- RE-REL-MGRD Temporary Grd. Rod Driver w/o Handles
- RL-REL-MGRD-TH Temporary Grd. Rod Driver with Handles
- RL-REL-GR-ADP Temporary Grd. Rod Adapter



**Hisco's Sledge Hammers** are constructed with heavy duty fiberglass handles and carbon steel double face heads.

- HI-HIBD-8 36" Fiberglass Handle, 8 lb Head
- HI-HIBD-10 36" Fiberglass Handle, 10 lb Head



**Nupla's Sledge Hammers** are constructed with classic Nuplaglas® or molded ergo power handles and carbon steel double face heads.

- NU-27080 32" Nuplaglas® Handle, 8 lb Head, Cushion Grip
- NU-27100 32" Nuplaglas® Handle, 10 lb Head, Cushion Grip



HI-HICT-8



HI-HICT-8



RE-REL-MGRD



RL-REL-MGRDH



HI-HIBD-8



NU-27080

# LIFTING HOOK, CRADLE & PIKE



CD-08023001

## Condux's Manhole Cover

**Lifting Hook** is constructed of forged heat treated steel and bent at an angle for easy lifting of vault and manhole covers.

CD-0802300124" Length



OS-4241

**Oshkosh's E-Z-Up Pole Cradles** produce an effective way of lifting poles into position for framing. The cradles use the simple cam principle of rocking the pole off the ground and up, saving time and manpower. The cradles are available in aluminum and malleable iron. The aluminum pole cradle is approximately 18" x 15" x 9" and is capable of handling poles up to 19". The iron cradle is approximately 15" x 15" x 6" and is capable of handling poles up to 14".

OS-3668 Steel Pole Cradle  
OS-4241 Aluminum Pole Cradle



ST-POLE-PROP

**The Pole Prop Cradle** is designed to support poles for framing and installation. Increases productivity by freeing up the truck for other functions. The support also prevents drill bit ground contact and provides ample clearance to frame the pole. It also eliminates the operator from kneeling and stooping by bringing the pole up to a safe working height. Compatible with poles from 30'-70'. Folds to 3" X 23" X 30" for compact storage.

ST-POLE-PROPPole Prop Cradle

**Hastings Fiberglass Pike Poles** are available in fixed lengths or with telescopic design. Supplied with heavy duty base cap to protect butt end. Poles have unicellular foam core in one piece design and tip section of telescopic version.



HA-6775-10 10'  
HA-6775-12 12'  
HA-6775-14 14'  
HA-6775-16 16'  
HA-6775-18 18'  
HA-6775-20 20'  
HA-6780-17 17' Telescopic



HA-6780-17



**Hastings Fiberglass Pole Cant** is constructed with heavy ratchet binder and nylon strap for turning fiberglass, concrete, metal, and wood poles during installation. 48" X 2" solid foam filled handle. Special coating on nylon strap to assist in gripping the pole. Neoprene pad on aluminum base of tool prevents damage to poles. Poles can be turned in both positions without reinstalling the tool. Available with different length straps.

HA-6856 6' Nylon Strap  
HA-6856-3 8' Nylon Strap  
HA-6856-5 10' Nylon Strap



**Oshkosh's Pike Poles** are used to "pike" or support a pole when setting in the field. The twisted pike will screw itself into a hard pole. It's difficult to pull straight out after set, however, turning pike (in opposing direction) in screw like motion will release with ease. The pike poles are available with hard wood handles. \*Anything over 8' has to be shipped via Motor Freight.



HA-6856

OS-806	12' X 2"
OS-807	14' X 2"
OS-808	16' X 2"
OS-818	12 X 2-1/2"
OS-819	14 X 2-1/2"
OS-820	16 X 2-1/2"
OS-821	18 X 2-1/2"
OS-822	20 X 2-1/2"
OS-804-PP	8' X 2" PolyPro Handle
OS-805-PP	10' X 2" PolyPro Handle

OS-821



# BODY PROTECTION

**National Safety Apparel** meets ASTM 1506-10a; Complies with OSHA 1910.269; NFPA 70E-2012 Compliant for Arc Flash; UL Certified to NFPA 2112 Sizes SM-4X



- Tagless shirt collar, exterior labeling
- Moisture wicking
- Unsurpassed breathability and drying rate
- Inherently flame resistant for FR protection that will NOT wash out
- FR fabric will NOT melt, drip, or ignite
- Anti-microbial to help resist odors
- Unmatched FR comfort
- Features the newest carbon fiber technology



Light Blue

NSA-SHR-DWWS02-LB



Tan

NSA-SHR-DWWS02-TN



Red

NSA-SHR-DWWS02-RE



Grey

NSA-SHR-DWWS02-GE



Navy Blue

NSA-SHR-DWWS02-NB



Royal Blue

NSA-SHR-DWWS02-RB

NSA-SHR-DWWS02-TN CARBONCOMFORT™ FR 6 oz. Button Down Shirt & 2 Front Pockets  
 NSA-SHR-DWWS02-NB CARBONCOMFORT™ FR 6 oz. Button Down Shirt & 2 Front Pockets  
 NSA-SHR-DWWS02-RB CARBONCOMFORT™ FR 6 oz. Button Down Shirt & 2 Front Pockets  
 NSA-SHR-DWWS02-GE CARBONCOMFORT™ FR 6 oz. Button Down Shirt & 2 Front Pockets  
 NSA-SHR-DWWS02-RE CARBONCOMFORT™ FR 6 oz. Button Down Shirt & 2 Front Pockets  
 NSA-SHR-DWWS02-LB CARBONCOMFORT™ FR 6 oz. Button Down Shirt & 2 Front Pockets



# BODY PROTECTION



Navy Blue

Tan

Royal Blue

Grey



NSA-C541NNBBSLS

NSA-C541NTNBSLS

NSA-C541NRBBSLS

NSA-C541NGEBSLS

NSA-C541NTNBSLS CARBONCOMFORT™ FR Long Sleeve Henley  
 NSA-C541NNBBSLS CARBONCOMFORT™ FR Long Sleeve Henley  
 NSA-C541NRBBSLS CARBONCOMFORT™ FR Long Sleeve Henley  
 NSA-C541NGEBSLS CARBONCOMFORT™ FR Long Sleeve Henley

Navy Blue

Tan

Royal Blue

Grey



NSA-C541NNBLS

NSA-C541NTNLS

NSA-CNRBLS

NSA-541NGELS

NSA-C541NTNLS CARBONCOMFORT™ FR Long Sleeve T-Shirt  
 NSA-C541NNBLS CARBONCOMFORT™ FR Long Sleeve T-Shirt  
 NSA-CNRBLS CARBONCOMFORT™ FR Long Sleeve T-Shirt  
 NSA-541NGELS CARBONCOMFORT™ FR Long Sleeve T-Shirt



**Radians Class 2 Safety Vest** is lightweight and economical. Meets ANSI/ISEA 107-2010. 3M™ Reflective Material. 100% Polyester Visi-Cool Mesh Fabric Silver Trim. Hook & Loop Closure. Available in Lime Green or Orange. Custom Imprinting Available.

RAD-LHV-5ANSI-PC-M	Safety Vest; CL2, Lime Green, Medium
RAD-LHV-5ANSI-PC-L	Safety Vest; CL2, Lime Green, Large
RAD-LHV-5ANSI-PC-XL	Safety Vest; CL2, Lime Green, X-Large
RAD-LHV-5ANSI-PC-2XL	Safety Vest; CL2, Lime Green, 2X-Large
RAD-LHV-5ANSI-PC-3XL	Safety Vest; CL2, Lime Green, 3X-Large
RAD-LHV-5ANSI-PC-4XL	Safety Vest; CL2, Lime Green, 4X-Large
RAD-HV-5ANSI-PC-M	Safety Vest; CL2, Orange, Medium
RAD-HV-5ANSI-PC-L	Safety Vest; CL2, Orange, Large
RAD-HV-5ANSI-PC-XL	Safety Vest; CL2, Orange, X-Large
RAD-HV-5ANSI-PC-2XL	Safety Vest; CL2, Orange, 2X-Large
RAD-HV-5ANSI-PC-3XL	Safety Vest; CL2, Orange, 3X-Large
RAD-HV-5ANSI-PC-4XL	Safety Vest; CL2, Orange, 4X-Large



**Radians Class 2 Safety Vest** is lightweight and economical. Meets ANSI/ISEA 107-2010. 3M™ Reflective Material. 100% Polyester Visi-Cool Mesh Fabric Silver Trim. Hook & Loop Closure. Available in Lime Green or Orange. Custom Imprinting Available.

RAD-LHV-5ANSI-C3PC-M	Safety Vest; CL3, Lime Green, Medium
RAD-LHV-5ANSI-C3PC-L	Safety Vest; CL3, Lime Green, Large
RAD-LHV-5ANSI-C3PC-XL	Safety Vest; CL3, Lime Green, X-Large
RAD-LHV-5ANSI-C3PC-2XL	Safety Vest; CL3, Lime Green, 2X-Large
RAD-LHV-5ANSI-C3PC-3XL	Safety Vest; CL3, Lime Green, 3X-Large
RAD-LHV-5ANSI-C3PC-4XL	Safety Vest; CL3, Lime Green, 4X-Large





**Radians Utilisafe Class 2 Fire Retardant Safety Vest** is designed for electrical utility workers. Meets Class 2 ANSI/ISEA 107-2010. Hook & Loop Closure. Meets ASTM F1506. HRC Level 1 per NFPA 70E. 3M™ 8935 FR Reflective Striping. Fabric arc rating of 5.4 cal/cm. 95% Modacrylic, 5% Twaron. Available in Lime Green or Orange. Custom Imprinting Available.



RAD-LHV-UTIL-C2-M	Utilisafe Vest; CL2, Lime Green, Medium
RAD-LHV-UTIL-C2-L	Utilisafe Vest; CL2, Lime Green, Large
RAD-LHV-UTIL-C2-XL	Utilisafe Vest; CL2, Lime Green, X-Large
RAD-LHV-UTIL-C2-2XL	Utilisafe Vest; CL2, Lime Green, 2X-Large
RAD-LHV-UTIL-C2-3XL	Utilisafe Vest; CL2, Lime Green, 3X-Large
RAD-LHV-UTIL-C2-4XL	Utilisafe Vest; CL2, Lime Green, 4X-Large
RAD-HV-UTIL-C2-M	Utilisafe Vest; CL2, Orange, Medium
RAD-HV-UTIL-C2-L	Utilisafe Vest; CL2, Orange, Large
RAD-HV-UTIL-C2-XL	Utilisafe Vest; CL2, Orange, X-Large
RAD-HV-UTIL-C2-2XL	Utilisafe Vest; CL2, Orange, 2X-Large
RAD-HV-UTIL-C2-3XL	Utilisafe Vest; CL2, Orange, 3X-Large
RAD-HV-UTIL-C2-4XL	Utilisafe Vest; CL2, Orange, 4X-Large



**Radians Utilisafe Class 3 Fire Retardant Safety Vest** is designed for electrical utility workers. Meets Class 3 ANSI/ISEA 107-2010. Hook & Loop Closure. Meets ASTM F1506. HRC Level 1 per NFPA 70E. 3M™ 8735 FR Reflective Striping. Fabric arc rating of 5.4 cal/cm. 95% Modacrylic, 5% Twaron. Custom Imprinting Available.



RAD-LHV-UTIL-C3-M	Utilisafe Vest; CL3, Lime Green, Medium
RAD-LHV-UTIL-C3-L	Utilisafe Vest; CL3, Lime Green, Large
RAD-LHV-UTIL-C3-XL	Utilisafe Vest; CL3, Lime Green, X-Large
RAD-LHV-UTIL-C3-2XL	Utilisafe Vest; CL3, Lime Green, 2X-Large
RAD-LHV-UTIL-C3-3XL	Utilisafe Vest; CL3, Lime Green, 3X-Large
RAD-LHV-UTIL-C3-4XL	Utilisafe Vest; CL3, Lime Green, 4X-Large





**Neese Air Tex Class 3 High Visibility Parka** is waterproof, windproof & breathable. Polyester with polyurethane coating. Silver 2"™ Scotchlite™ reflective tape. Two-piece tuck-away hood. Zipper front storm flap with snap closure. Inner pocket. Elastic cuffs. Outside patch pockets (2) with snap closure flap. Available in high visibility lime. Available in sizes: Small – 6XL. Meets ANSI Class 3 visibility requirements

NS-9100-APK-S	Air Tex Parka; CL3, Lime Green, Small
NS-9100-APK-M	Air Tex Parka; CL3, Lime Green, Medium
NS-9100-APK-L	Air Tex Parka; CL3, Lime Green, Large
NS-9100-APK-XL	Air Tex Parka; CL3, Lime Green, X-Large
NS-9100-APK-2XL	Air Tex Parka; CL3, Lime Green, 2X-Large
NS-9100-APK-3XL	Air Tex Parka; CL3, Lime Green, 3X-Large
NS-9100-APK-4XL	Air Tex Parka; CL3, Lime Green, 4X-Large
NS-9100-APK-5XL	Air Tex Parka; CL3, Lime Green, 5X-Large
NS-9100-APK-6XL	Air Tex Parka; CL3, Lime Green, 6X-Large



**Neese Air Tex Class E High Visibility Air Bib Trousers** are waterproof, windproof & breathable. Polyester with polyurethane coating. Silver 2" 3M™ Scotchlite™ reflective tape around each leg. Bib style front coverage. Safety fly with snap closure. Adjustable elastic suspenders. Take-up snaps on each cuff. Available in high visibility lime. Available in sizes: Small – 6XL. Meets ANSI Class E visibility requirements.

NS-9100-BTF-S	Air Tex Bib Trousers; CLE, Lime Green, Small
NS-9100-BTF-M	Air Tex Bib Trousers; CLE, Lime Green, Medium
NS-9100-BTF-L	Air Tex Bib Trousers; CLE, Lime Green, Large
NS-9100-BTF-XL	Air Tex Bib Trousers; CLE, Lime Green, X-Large
NS-9100-BTF-2XL	Air Tex Bib Trousers; CLE, Lime Green, 2X-Large
NS-9100-BTF-3XL	Air Tex Bib Trousers; CLE, Lime Green, 3X-Large
NS-9100-BTF-4XL	Air Tex Bib Trousers; CLE, Lime Green, 4X-Large
NS-9100-BTF-5XL	Air Tex Bib Trousers; CLE, Lime Green, 5X-Large
NS-9100-BTF-6XL	Air Tex Bib Trousers; CLE, Lime Green, 6X-Large







**Neese Dura Arc I Attached Hood Jacket** is designed especially for utility workers exposed to electrical arc hazard. Made of PVC on Nomex® material is Fire Resistant: FTMS 191A and Arc Resistant: ASTM F1891-02b. Non-conductive zipper front closure. Storm flap front with non-conductive snaps. Vented Nomex® mesh back with "D" ring access port. Tuck-away hood with drawstring closure. Reflective tape 2" 3M™ Scotchlite™ (ANSI Class 3). Outside patch pockets (2) with upper flap closures. Take-up tabs on wrists. Meets ANSI/ISEA 107-2010 (Class 3). ASTM F1891 = Arc Flash Rated: ATPV: 5.4 Cal/cm² FL Yellow 5.2 Cal/cm² FL Orange. EBTAS: 28.9 Cal/cm² FL Yellow 32.2 Cal/cm² FL Orange. HAF: 63.6 Cal/cm² FL Yellow, 61.8 Cal/cm² FL Orange. Available Colors: Fluorescent Yellow & Fluorescent Orange.



NS-227-AHJ-L-S	Arc I Jacket; CL3, Lime Green, Small
NS-227-AHJ-L-M	Arc I Jacket; CL3, Lime Green, Medium
NS-227-AHJ-L-L	Arc I Jacket; CL3, Lime Green, Large
NS-227-AHJ-L-XL	Arc I Jacket; CL3, Lime Green, X-Large
NS-227-AHJ-L-2XL	Arc I Jacket; CL3, Lime Green, 2X-Large
NS-227-AHJ-L-3XL	Arc I Jacket; CL3, Lime Green, 3X-Large
NS-227-AHJ-L-4XL	Arc I Jacket; CL3, Lime Green, 4X-Large
NS-227-AHJ-L-5XL	Arc I Jacket; CL3, Lime Green, 5X-Large
NS-227-AHJ-L-6XL	Arc I Jacket; CL3, Lime Green, 6X-Large

**Neese Dura Arc I Bib Trousers** are designed especially for utility workers exposed to electrical arc hazard. Made of PVC on Nomex® material is Fire Resistant: FTMS 191A and Arc Resistant: ASTM F1891-02b. Wide leg design with reinforced seams. Take-up tabs on lower legs. Elastic adjustable suspenders. Non-conductive snap closures that fastens suspenders onto garment. Reflective tape 2" 3M™ Scotchlite™ (ANSI Class E). Meets ANSI/ISEA 107-2010 (Class E). ASTM F1891 = Arc Flash Rated. ATPV: 5.4 Cal/cm² FL Yellow 5.2 Cal/cm² FL Orange. EBTAS: 28.9 Cal/cm² FL Yellow 32.2 Cal/cm² FL Orange. HAF: 63.6 Cal/cm² FL Yellow, 61.8 Cal/cm² FL Orange. Available Colors: Fluorescent Yellow & Fluorescent Orange.



NS-227-BT-L-S	Arc I Bib Trousers; Small
NS-227-BT-L-M	Arc I Bib Trousers; Medium
NS-227-BT-L-L	Arc I Bib Trousers; Large
NS-227-BT-L-XL	Arc I Bib Trousers; X-Large
NS-227-BT-L-2XL	Arc I Bib Trousers; 2X-Large
NS-227-BT-L-3XL	Arc I Bib Trousers; 3X-Large
NS-227-BT-L-4XL	Arc I Bib Trousers; 4X-Large
NS-227-BT-L-5XL	Arc I Bib Trousers; 5X-Large
NS-227-BT-L-6XL	Arc I Bib Trousers; 6X-Large



# EYE PROTECTION



**Crossfire Sniper Safety Eyewear** is designed with the sportsman in mind, This style transitions easily from work environments to recreation. The half frame design has lateral protection compliance H for medium to small faces. ANSI Z87 2010 certified.



**RAD-9614**

Frame:Shiny Black, Lens:Polarized Smoke



**RAD-9117**

Frame:Crystal Brown, Lens:HD Brown Flash Mirror



**RAD-924**

Frame:Matte Black, Lens:Clear



**RAD-91116**

Frame:Crystal Brown, Lens:HD Copper



**RAD-9221**

Frame:Matte Black, Lens:HD Green



**RAD-91721**

Frame:Military Green Camo, Lens:HD Green

# EYE PROTECTION



**Crossfire Sniper Safety Eyewear** is designed with the sportsman in mind, this style transitions easily from work environments to recreation. The half frame design has lateral protection compliance H for medium to small faces. ANSI Z87 2010 certified.



Frame:Shiny Pearl Gray, Lens:Indoor/Outdoor



**RAD-9215**

Frame:Shiny Black /Crystal Burgundy Red, Lens:Silver Mirror



**RAD-9233**

Frame:Matte Black, Lens:Smoke



**RAD-921**

Frame:Woodland Brown Camo, Lens:Smoke



**RAD-9141**

Frame:Matte Black, Lens:Yellow



**RAD-925**

Frame:Shiny Black, Lens:Emerald Mirror



**RAD-9610**

# EYE PROTECTION



**Crossfire Infinity Safety Eyewear** is one of top selling designs. The full frame design is stylish and the comfortable fit is easy to wear all day. The Infinity is offered in various options including polarized. ANSI Z87 2010 certified.



**RAD-241**

Frame:Black Crystal, Lens:Smoke



**RAD-2117**

Frame:Crystal Brown, Lens:HD Brown Flash Mirror



**RAD-224**

Frame:Shiny Pearl Gray, Lens:Clear



**RAD-2812**

Frame:Orange/Black, Lens:Gold Mirror



**RAD-263**

Frame:Shiny Black, Lens:Silver Mirror





**Crossfire Infinity Safety Eyewear** is one of top selling designs. The full frame design is stylish and the comfortable fit is easy to wear all day. The Infinity is offered in various options including polarized. ANSI Z87 2010 certified.



Frame:Crystal Brown, Lens:HD Brown Polarized



**RAD-21126**

Frame:Pearl White, Lens:Silver Mirror



**RAD-2243**

Frame:Pearl White, Lens:Clear



**RAD-2244**

Frame:Pearl Pink, Lens:Dark Smoke



**RAD-22528**

Frame:Pearl Pink, Lens:Clear



**RAD-2254**

# EYE PROTECTION



**Jackson Safety Nemesis Safety Eyewear** has a sleek, sporty style. The soft touch temples provide a secure fit. Lightweight construction with single lens wrap-around protection. 99.9% UV Protection Meets ANSI Z87.1+ Impact Standard.



JC-25688-00

Frame:Shiny Black, Lens:Smoke



JC-3020709

Frame:Metallic Red, Lens:Smoke



JC-25676-00

Frame:Shiny Black, Lens:Clear



JC-25685-00

Frame:Shiny Black, Lens:Yellow



JC-25659-00

Frame:Shiny Black, Lens:Indoor/Outdoor



JC-3011375

Frame:Woodland Brown Camo, Lens:Copper



**Gateway Starlite Safety Eyewear** has an industry-leading design, combining low-cost protective eyewear with all-around impact protection. Incredibly lightweight, weighing less than one ounce. Deep, universal-fit temples provide side protection equal to that of large side shields. Independently tested to the ballistics impact section of the U.S. Military standard, MIL-PRF-31013, Clause 3.5.1.1. Meets ANSI Z87.1+ and CSA Z94.3 standards. Also available in a bifocal version as StarLite MAG.

Frame/Lens:Clear

GA-4680



Frame/Lens:Grey

GA-4683



Frame/Lens:Mocha

GA-4686



Frame/Lens:Mirror Indoor-Outdoor

GA-460M



Frame/Lens:Silver Mirror

GA-468M



Frame/Lens:Amber

GA-4675



# FIRST AID KITS



**The Certified Construction First Aid Kit** organizes all units within a heavy duty metal box (36,24 &16 Unit) and durable plastic box (10 Unit) with handle and mounting bracket. All kits meet or exceed ANSI-Z308.1-(Current) All units have safety overwrap to prevent contamination. Other specialized kits and refills are available upon request. Certified First Aid Unit Refill meet or exceed ANSI standard Z308.1-(Current). Contents are sterile where applicable.

CE-K209-224





10 Unit Kit CE-K209-210

16 Unit Kit CE-K209-216

24 Unit Kit CE-K209-224

36 Unit Kit CE-K209-236

CE-210-006	Certi-Strips, Plastic, 1" x 3",16/unit
CE-210-009	Certi-Strips, Plastic, 2" x 3",6/unit
CE-211-008	Certi-Gauze Bandage Compress, 4",1/unit
CE-211-027	Certi-Gauze Roll, 4"x 6 yard,1/unit
CE-211-033	Triangular Bandage w/ Pins, 40"x40"x56",3/unit
CE-211-011	Certi-Gauze Pads, 3"x 3",4/unit
CE-210-019	Certi-Strip, Heavy Weight Woven, Finger & Knuckle,9/unit
CE-211-020	Absorbent Compress, , 32 sq/in.,1/unit
CE-213-011	Certi-Sporyn Antibiotic Cream,10/unit
CE-213-038	Antiseptic BZK Towelettes, 5"x7",10/unit
CE-512-001	PVP Iodine Swab, Crushable,6/unit
CE-216-003	Certi-Tape, 1/2" x 2-1/2 yard,2/unit
CE-240-030	Certi-Tape, 1/2" x 2-1/2 yard,1/unit
CE-214-008	Eye Pads w Certi-Tape, Oval Strips,8/unit
CE-216-033	Certi-Cool Jr. Cold Pack, 5"x7",1/unit
CE-512-002	Insect Sting Swabs, Crushable,10/unit
CE-213-033	Alcohol Gel, 1g.,6/unit
CE-213-020	SunX Towelettes-SPF30, 8"x5"
CE-216-025	Hydrocortisone Cream-1%,6/unit
CE-216-027	Poison Ivy Anti-Itch Gel, 1/8 oz.,6/unit
CE-215-007	Certi-Burn Cream, 1 gm, 6/unit
CE-216-070	CPR Protector, w/ Gloves, 5.5",2/unit
CE-216-082	Gloves, Nitrile, Pair,2/unit
CE-242-007	Certi-Lan-Cet (Splinter Remover) 2/pair
CE-511-017	Eye Wash, 1oz.,2/pkg.
CE-242-014	Forceps, Plastic, 4",1/unit
CE-234-009	First Aid Facts Guide, Card,1/unit

10 Unit	16 Unit	24 Unit	36 Unit
1	1	2	3
		2	2
	1	1	2
	1	1	2
	1	1	1
1	1	1	2
	1	2	2
1	1	1	2
1	1	1	2
			2
		1	1
	1	1	1
	1	1	2
	1	1	1
1	1	1	
	1	1	1
		1	1
1	1	1	2
		1	1
1	1	1	1
1	1	1	1
	1	1	1
1	1	1	1

# FIRST AID KITS



**Certified First Aid Unit Refill** meet or exceed ANSI standard Z308.1- (Current). All units have superior safety overwrap for quick opening and to prevent contamination. Contents are sterile where applicable.

- CE-211-034 Triangular Bandage w/ Pins, Sterile, 1/unit
- CE-213-007 PVP Iodine Solution, 4 cc. vial, 6/unit #772
- CE-214-005 Eye Wash, Certi-Ose, 20 ml., 1/unit #669X
- CE-215-008 Certi-Burn, Cream, 1/8 oz., 6/unit #660
- CE-215-023 Creosote Wash, 4 cc. vial, 6/unit #779
- CE-216-015 Forceps and Scissors, 2/unit #783



**The Certified Personal CPRotector Kit** comes complete with an orange nylon pouch. Kit consists of: mouth-to-mouth barrier, eye shield, Nitrile gloves, biohazard bag, certi-soap cleanser towelette, antimicrobial towelette and crepe paper towel.

- CE-K203-006 CPRotector Kit, Personal Protection Kit



**The Certified Personal Protection Blood Borne Pathogen Kit** comes complete with an orange nylon pouch or plastic overwrapped unit box. Unit consists of antimicrobial towelette, biohazard bag with tie, boots/pair, infection control cap, eye shield, latex gloves/ pair, infection control gown, infection control mask, and crepe paper towel.

- CE-FK200-926 Bloodborne Pathogen Kit, Personal Protection Kit, Orange Pouch, All Included



**The Certified Snake Bite Kit** provides compact convenience. Unit contains 2 certi-strip adhesive bandages, ammonia inhalant, antiseptic BZK towelette, certi-suction pump with adapters, 2 insect sting wipe-ups, lancet for snake bite, 2 PVP iodine wipe-ups, and a tourniquet. Available in poly(plastic) kit or individually overwrapped unit box.



CE-K205-033 Snake Bite Kit, Poly Kit

**The Certified Insect Sting Kit** provides compact convenience. Unit contains 2 certi-strip adhesive bandages, antiseptic BZK towelette, certi-suction pump with adapters, 3 insect sting wipe-ups, and 2 PVP iodine wipe-ups. Available in poly(plastic) kit or individually overwrapped unit box.

CE-K216-022 Insect Sting Kit, Unit Box

**The Certified Tick Removal Kit** contains tick remover, 5 certi-strip adhesive bandages, 5 alcohol wipe-ups and certi-sporyn. Available in poly(plastic) kit or individually overwrapped unit box.

CE-K216-000 Tick Removal Kit, Unit Box

**Certified First Aid Unit Refill** meet or exceed ANSI standard Z308.1-(Current). All units have superior safety overwrap for quick opening and to prevent contamination. Contents are sterile where applicable.



CE-216-060 IvyX Poison Ivy Pre-Contact Towelettes, 2/unit

CE-216-030 Poison Ivy Wash, 4cc. Vial, 6/unit

CE-216-027 Poison Ivy Anti-Itch Gel, 6/unit

**Oral Ivy™** poison ivy prevention is designed to avoid the outbreak of poison ivy before you are exposed. A few drops of Oral Ivy™ poison ivy prevention daily in water or juice stimulates the body's natural defenses against poison ivy, oak and sumac. Can also be used as treatment after exposure. Oral Ivy™ poison ivy prevention is actually made from poison ivy leaves; it is safe, effective and easy to use. 1-oz. pourable bottle lasts about six months.

ST-Oral-Ivy Oral Ivy™, 1 oz.



## FIRST AID



CE-505-118

**Water-Jel Burn Wrap (Canister)** is the smallest and most versatile of the fire blankets. Can be used to extinguish flames and smoldering clothes or dangerous white phosphorous. Ideal for covering torso, leg or entire back injuries. The durable, easily identifiable canister protects the blanket from outside elements. Easily carried in a plastic container that can be stored or used with Water-Jel Mounting Bracket #TS-10. Directions for use clearly defined on canister label. Shelf life: 5 years from date of manufacture.

CE-505-118 3'x2.5' w/ Canister



CE-505-119

**Water-Jel Blanket-Plus and Canister** is a full-size blanket that adequately covers a patient and can be used to extinguish flames and smoldering clothes or dangerous white phosphorous. The durable, easily identifiable canister protects the blanket from outside elements. The plastic container with handle can be stored or used with Water-Jel Mounting Bracket #TM-10. Directions for use clearly defined on canister label. Shelf life: 5 years from date of manufacture.

CE-505-119 6'x5' w/ Canister



CE-505-205

**Water-Jel Burn/Heat Blanket/Shield (Canister)** is the largest of our blankets. Can be used to totally wrap a burn patient or as protection in a fire rescue to extinguish flames and smoldering clothes or dangerous white phosphorous. Easily carried in a durable plastic container that can be stored or used with Water-Jel Mounting Bracket #TL-10. Shelf life: 5 years from date of manufacture.

CE-505-205 8'x6' w/





**UTILITY SUNSCREEN SPF 30+** Industry recommended SPF 30. Can stay in sun 30 times longer without burning. Designed for all day protection from the harmful rays of the sun. Waterproof, resists sweating, and moisture. Greaseless formula dries rapidly and will not affect one's hand grip nor, come off on tools and equipment. Specially formulated for the Telecom and Utility industries. One application lasts all day. Tested safe on rubber gloves.

RA-4022 UTILITY SUNSCREEN SPF 30+, 4 oz.

RA-40225 UTILITY SUNSCREEN SPF 30+, 1BX;100 units

**Rainbow Jungle Formula Insect Repellent** is a multi-purpose repellent that repels gnats, mosquitoes, biting flies, chiggers, ticks, flying insects, plus fleas on skin surfaces. Contains extra strength 25% DEET formula. Prevents unsafe insect distractions. Stops persistent biting and piercing insects. Reduces possibility of Lyme Disease, Rocky Mountain Spotted Fever, and West Nile Virus. Long-lasting protection, frequent applications not necessary. Extra protection formula for telecom and utility personnel.

RA-4501 Jungle Formula, 6 oz. Aerosol Can

RA-4508 Jungle Formula, 50 towelettes/box

**Bug Barrier II** creates a personal barrier against these and other small biting insects. Bug Barrier contains DEET, which has been proven to effectively repel mosquito's, chiggers, fleas, ticks, biting flies and other nasty insects.

AR-61605 Bug Barrier II, 12 oz. Aerosol Can

**Halt Dog Repellent** products use Capsaicin, a naturally occurring extract of peppers, which, when sprayed in a dog's face, causes only temporary, but extreme discomfort for the dog. Think of it as attitude re-adjustment. Halt! stops him in his tracks, giving you time to move out of danger. Halt!'s pressurized spray is accurate up to 10 feet.

AR-61101 Halt, 1-1/2 oz. Aerosol Can

**Bee Bopper Wasp and Hornet Spray** will drop most any flying insect from up to 20 feet away! This powerful weapon kills bees, wasps, and hornets!

AR-61011 Bee Bopper Wasp and Hornet Spray, 12 oz. Aerosol Can

**Telco Power Wasp & Ant Spray** contains one of the most powerful active ingredients, it quickly knocks down flying and stinging insects. This superior solvent-based product is safe for use in and around utility and telecom equipment. The high output shotgun spray pattern delivers a high percentage of the formula to the target from a safe distance of 15 feet. It also has the highest dielectric strength (62 kV) available to ensure a greater safety when working around medium to high voltage. Controls most any flying and crawling insects, it can reduce the total number of products you need. NEETRAC and Bellcore/Telcordia tested.

RA-88500 Telco Power Wasp & Ant Spray, 12 oz. Aerosol Can



RA-4022



RA-4501



AR-61605



AR-61101



AR-61011



RA-88500

# FOOT PROTECTION



**Carolina 904 Series Waterproof Linesman Boot.** Available in Sizes: D:8-12,13,14 2E:8-12,13,14.



CA-CA904

- 10" Cork Harness Leather Upper
- Waterproof SCUBALINER™
- Taibrelle Lined
- Removable AG7™ Polyurethane Footbed
- Electrical Hazard Rated
- Heavy Duty Steel "Right and Left" Linesman Shank
- Welt Construction
- Vibram® Austin One-Piece Rubber Outsole

CA-CA904 10" Waterproof Linesman Boot, Brown, Sizes: D:8-12,13,14 2E:8-12,13,14

**Carolina 905 Series 10" Domestic Linesman Boot** feature a heavy-duty steel shank and a grippy Vibram® sole. All-day comfort of a soft lining, a heat and moisture managing footbed and a cushioned, antifungal insole. Sizes:D:7-12,13,14 2E:7-12,13 Also available in steel toe.



CA-905

- 10" Black Full Grain Leather Upper
- Cambrelle® Lined Vamp
- Poron® Performance Cushioning Insole
- Removable AG7™ Polyurethane Footbed
- Electrical Hazard Rated
- Heavy Duty Steel "Right and Left" Linesman Shank
- Welt Construction
- Vibram® Austin One-Piece Rubber Outsole
- MADE IN THE USA

CA-905 10" Linesman Boot, Black, Sizes: D:7-12,13,14 2E:7-12,13

**Carolina 924 Series 16" Domestic Linesman Boot** feature a heavy-duty steel shank and a grippy Vibram® sole. All-day comfort of a soft lining, a heat and moisture managing footbed and a cushioned, antifungal insole. Sizes: R:5-12,13,14,15 W:6.5-12,13. Also available in steel toe.



CA-CA924

- 16" Black Full Grain Leather Upper
- Leather Lined Vamp
- Poron® Performance Cushioning Insole
- Electrical Hazard Rated
- Heavy Duty Steel "Right and Left" Linesman Shank
- Welt Construction
- Vibram® Austin One-Piece Rubber Outsole
- MADE IN THE USA

CA-CA924 16" Linesman Boot, Black, Sizes: R:5-12,13,14,15 W:6.5-12,13



**West Coast Shoe Company HIGHLINER® STYLE Linesman Boot** are available in a variety of styles and sizes. The 9710 series feature black full-grain leather, Lace-to-Toe, 10" and #430 Vibram® Sole. Available in sizes D(Regular)-8,8.5,9,9.5,10,10.5,11,11.5,12,13,14. E(Wide)-8,8.5,9,9.5,10,10.5,11,11.5,12,13.

- 7 oz. full-grain leather
- Leather side flap
- Non-corrosive, ribbed, slightly arched steel shank for comfort and maximum support
- Leather 10 - 10-1/2 iron (.219" thick) half-slip for added support in the arch
- Recessed metal heel breastplate (offers protection from climbing spurs)
- Steel sideplate
- Removable false tongue



WE-9710

WE-9710 10" Linesman Boot, Black, Sizes: D:8-11,12,13,14 E:8-11,12,13

**West Coast Shoe Company HIGHLINER® STYLE Linesman Boot** are available in a variety of styles and sizes. The 9716 series feature black full-grain leather, Lace-to-Toe, 16" and #430 Vibram® Sole. Available in sizes D(Regular)-8,8.5,9,9.5,10,10.5,11,11.5,12,13,14. E(Wide)-8,8.5,9,9.5,10,10.5,11,11.5,12,13.

- 7 oz. full-grain leather
- Leather side flap
- Non-corrosive, ribbed, slightly arched steel shank for comfort and maximum support
- Leather 10 - 10-1/2 iron (.219" thick) half-slip for added support in the arch
- Recessed metal heel breastplate (offers protection from climbing spurs)
- Steel sideplate
- Removable false tongue



WE-9716

WE-9716 16" Linesman Boot, Black, Sizes: D:8-11,12,13,14 E:8-11,12,13

## HAND PROTECTION



**G-Tek® Ultra Polyurethane Grip Gloves** with Dyneema® are light weight cut resistant gloves designed for many industrial job applications. Gray Dyneema® Filament and Nylon Knitted Shell, Gray Coated Palm and Finger Tips, Medium Weight, EN Cut Level 3.

PIP-34-844-S	Gtek Ultra, Small
PIP-34-844-M	Gtek Ultra, Medium
PIP-34-844-L	Gtek Ultra, Large
PIP-34-844-XL	Gtek Ultra, X-Large



**Mustang Gunn "Gauntlet" Style Gloves** are constructed of premium grain cow leather with rubberized cuff.

MC-1935-S	2-1/2" Cuff, Small
MC-1935-M	2-1/2" Cuff, Medium
MC-1935-L	2-1/2" Cuff, Large
MC-1935-XL	2-1/2" Cuff, Extra Large
MC-1936-M	4-1/2" Cuff, Medium
MC-1936-L	4-1/2" Cuff, Large
MC-1936-XL	4-1/2" Cuff, Extra Large



**Carolina "Gauntlet" Gloves** are constructed of premium top grain leather with waterproof cuff. Available with 2-1/2" safety cuff or full 4-1/2" gauntlet cuff.

CAG-5955S-S	2-1/2" Cuff, Small
CAG-5955S-M	2-1/2" Cuff, Medium
CAG-5955S-L	2-1/2" Cuff, Large
CAG-5955S-XL	2-1/2" Cuff, Extra Large
CAG-5955-M	4-1/2" Cuff, Medium
CAG-5955-L	4-1/2" Cuff, Large
CAG-5955-L	4-1/2" Cuff, Extra Large





## HAND PROTECTION

**Youngstown Ropework XT Gloves** are performance work gloves specifically designed for rope access professionals. Super tacky ropegrip palm reinforcement for incredible grip on ropes when climbing. Superior grip reduces hand fatigue. Kevlar lined top of hand to reduce injuries caused by accidental saw slips. Foam padded palm dampens shock and vibration. Neoprene cuff with adjustable closure provides a secure fit while adding wrist support.

YOU-10-3300-60-S	Ropework XT; Small
YOU-10-3300-60-M	Ropework XT; Medium
YOU-10-3300-60-L	Ropework XT; Large
YOU-10-3300-60-2XL	Ropework XT; X-Large
YOU-10-3300-60-XL	Ropework XT; 2X-Large

**Youngstown General Utility Cut Resistant Gloves** are completely lined with Kevlar throughout the entire glove. Non-slip reinforcement for durability and grip. Supportive cuff with adjustable velcro closure. Internal knuckle protection top of hand. Double stitched bonded nylon thread for extended life. Terry cloth thumb for wiping sweat and debris. Palm rates a Level 3 on ANSI/ISEA 105-2005 standard.

YOU-05-3080-70-S	Utility Kevlar; Small
YOU-05-3080-70-M	Utility Kevlar; Medium
YOU-05-3080-70-L	Utility Kevlar; Large
YOU-05-3080-70-XL	Utility Kevlar; X-Large
YOU-05-3080-70-2XL	Utility Kevlar; 2X-Large
YOU-05-3080-70-3XL	Utility Kevlar; 3X-Large

**Youngstown FR Cut Resistant Utility Gloves** have a combination of Nomex and Kevlar to provide excellent protection for Linemen. The goatskin palm is lined with 100% Kevlar to enhance FR properties and provide cut resistance. The top of the glove is made with Nomex fiber by Dupont for flame resistant properties and breathability. Meets NFPA 70e-2012 Standard. Flame Resistant- exceeds ASTM F2302 & D6413 Standard. Arc Rated- 12 cal/Cm2 (HRC 2).

YOU-12-3270-80-S	FR Utility; Small
YOU-12-3270-80-M	FR Utility; Medium
YOU-12-3270-80-L	FR Utility; Large
YOU-12-3270-80-XL	FR Utility; X-Large
YOU-12-3270-80-2XL	FR Utility; 2X-Large
YOU-12-3270-80-3XL	FR Utility; 3X-Large



# HEAD PROTECTION



**MSA V-Gard® Protective Hard Hats** are the best-selling in North America. Polyethylene shell and self-adjusting crown straps provide comfortable, lightweight protection. Many standard color options, customization including logos and striping. Full range of accessories available. Available with Staz-On (manual-style) or Fas-Trac (ratchet-style) Suspension. Meet or exceed the applicable requirements for a Type I helmet (top impact) as outlined in ANSI Z89.1-2003, Class E.

- MS-475369 V-Hat;White w/ Fas-Trac Suspension
- MS-475366 V-Hat;Yellow w/ Fas-Trac Suspension
- MS-496075 V-Hat;Orange w/ Fas-Trac Suspension
- MS-475371 V-Hat;Red w/ Fas-Trac Suspension
- MS-475370 V-Hat;Green w/ Fas-Trac Suspension
- MS-475368 V-Hat;Blue w/ Fas-Trac Suspension
- MS-473332 Replacement Fas-Trac Suspension
- MS-454733 V-Hat;White w/ Staz-On Suspension
- MS-454730 V-Hat;Yellow w/ Staz-On Suspension
- MS-454734 V-Hat;Orange w/ Staz-On Suspension
- MS-454736 V-Hat;Red w/ Staz-On Suspension
- MS-454735 V-Hat;Green w/ Staz-On Suspension
- MS-454732 V-Hat;Blue w/ Staz-On Suspension
- MS-454230 Replacement Staz-On Suspension





**Bullard Classic Series Hard Hats** are all about comfort, without sacrificing safety. Featuring a wider profile helps protect against sun exposure, rain, snow and dust. Accessory slots accept a wide variety of attachments. Front, side and rear vertical height adjustments. The Classic Series exceeds ANSI/ISEA Z89.1-2009 and CSA Z94.1-2005, Type 1, Class E & G requirement. Many standard color options and logo can be applied in any of eight different locations. Available with easy to adjust Flex-Gear® ratchet sizing or standard six-point Pin-Lock manual suspensions. 2-year warranty.



- ST-C33R-W Classic;White w/ Flex-Gear Suspension
- ST-C33R-Y Classic;Yellow w/ Flex-Gear Suspension
- ST-C33R-O Classic;Orange w/ Flex-Gear Suspension
- ST-C33R-R Classic;Red w/ Flex-Gear Suspension
- ST-C33R-G Classic;Green w/ Flex-Gear Suspension
- ST-C33R-B Classic;Blue w/ Flex-Gear Suspension
- ST-RS6RC Replacement Flex-Gear Suspension
- ST-C33P-W Classic;White w/ Pin-Lock Suspension
- ST-C33P-Y Classic;Yellow w/ Pin-Lock Suspension
- ST-C33P-O Classic;Orange w/ Pin-Lock Suspension
- ST-C33P-R Classic Hat;Red w/ Pin-Lock Suspension
- ST-C33P-G Classic Hat;Green w/ Pin-Lock Suspension
- ST-C33P-B Classic Hat;Blue w/ Pin-Lock Suspension
- ST-RS6PC Replacement Pin-Lock Suspension



*Custom colors and corporate logos available.*

# HEAD PROTECTION



**MSA V-Gard® Full Brim Hat Frames** are designed to attach personal protection devices such as face shield visors, ear muffs and most half mask respirators. The universal design fits most full brim hard hats, including MSA and Bullard. Elevated temperature (ET) application is designed to withstand temperatures of 350 degrees without warping or cracking.

MS-10116627 Full Brim Hat Frames  
MS-10116628 Full Brim Hat Frames, ET



**MSA V-Gard® Visors** are designed to help protect wearers from flying debris, splash or spray. Compatible with MSA V-Gard® full brim hat frames (MS-10116627 & MS-10116628). The sides of the polycarbonate visor are contoured towards face for a closer fit and improved resistance to impact and splash hazards. Maximum UV protection. Available with clear, tinted, anti-fog and anti-scratch coatings.

MS-10115836 Clear; 8"X17"X.06 w/ Antifog & Anti-Scratch  
MS-10115839 Clear; 8"X17"X.06 w/ Antifog & Anti-Scratch  
MS-10115842 Green Tint; 8"X17"X.06 w/ Antifog & Anti-Scratch



**The MSA Sound Blocker Hard Hat Ear Muffs** are designed to reduce the level of noise entering the ear (NRR 26dB). Compatible with MSA V-Gard® full brim hat frames (MS-10116627 & MS-10116628).

MS-10026398 Sound Blocker; 26dB



**Paulson Snap-On Sun Shades (Sombreros)** are designed to extend the brim of a hard hat all the way around the full brim to reduce Solar UV Radiation and keep the wearer cooler. Universal fit can be worn around the full brim of the Hard Hat. Reflective white design with tinted visor allows upward vision from any position. Available for MSA or Bullard full brim hard hats.

PA-A-S4-M SunShade;MSA  
PA-A-S4-B SunShade;Bullard







**COBRA Classic Flame Resistant Arc Flash Hood** has been engineered to maximize protection (Arc Rating : 8.8 HRC Rating : 2). COMFORT PLUS™ – Nomex® (Meta-Aramid)/Lenzing FR® fabrics are used assuring permanent flame and heat protection even after years of use and repeated laundering. Features such as heavier elastic in the face opening, COMFORT-PLUS™ liner, our SURE FIT™ panel and tailored front and back drape designs set our hoods apart from the competition. Hoods are Underwriters Laboratory classified to meet or exceed the NFPA 1971 - Current Edition.

PG-3018185 Cobra Arc Flash Hood



PG-3018185

**Life Liner Flame Resistant Arc Flash Hood** has been engineered to maximize protection of face and head. Constructed of P84/LenzingFR/Kevlar with a Arc Rating 32 cal/cm2. Meets Requirements of ASTM F1506 And NFPA 70E.

LL-P849723ES LifeLiner Arc Flash Hood



LL-P849723ES

**Stihl Woodcutter Helmet System** features a comfortable, lightweight design with vented shell for cooling during use. Six-point mount suspension. Class G certified under OSHA's 29 CFR 1910.135. Includes NRR 22 hearing protection.

SI-7010-871-0026 Helmet System, Woodcutter



SI-7010-871-0026



**Stihl Forestry Helmet System** features premium protection with durable steel-mesh full face screen visor. NRR 25 earmuffs to reduce tool and engine noise.

SI-000-886-0100 Helmet System, Forestry



SI-000-886-0100



# CRIMPING



## Huskie ECO-EZ Series 6 Ton Battery

**Compression Tools** have a streamline design with a powerful 6 ton output. Choose from any of the six available heads that meet your needs and switch between multiple heads with the pull-pin design. The HU-ECO-EZ series is available with four standard 6 Ton compression configurations. There is also an optional XPJ and cutting jaw available. The cutting jaw capacity is ACSR: Up to 4/0, Soft Locks: Up to 3/8", Soft Steel Bolts: Up to 3/8", Standard Guy Wire: Up to 3/8". The swivel head design allows the jaws to rotate 180° for operator convenience. These tools operate on the same 14.4 volt battery used in all of the Huskie Robo tools. Energized lines will not affect the operation or performance of the tool. The ECO-EZ tools carry a 1-year or 3-year warranty on the tool, and the batteries carry a 5-year warranty. Complete with AC or DC charger and carrying case.



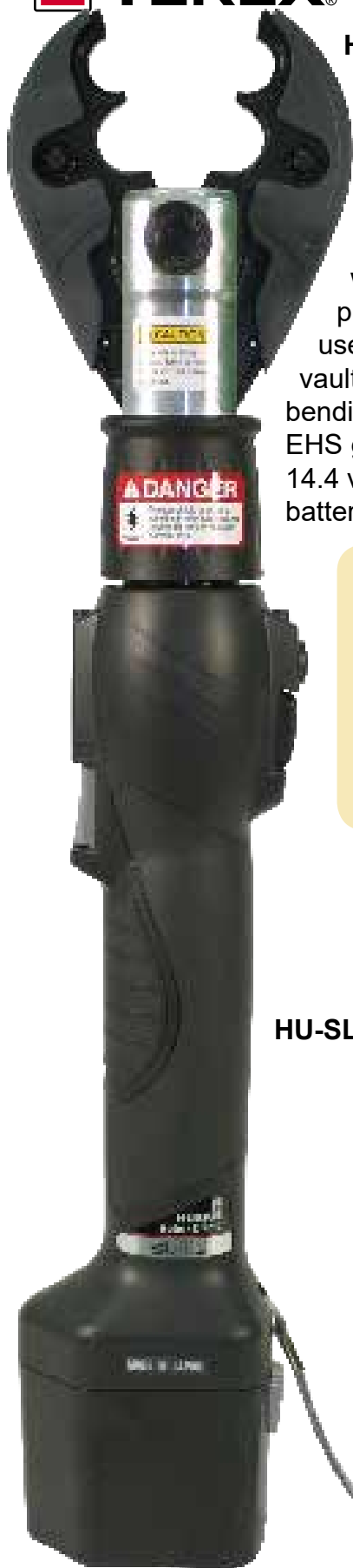
HU-ECO-EZK	ECO-EZ Tool w/ Kearney Seat Die
HU-EZK	ECO-EZ Jaw w/ Kearney Seat Die
HU-ECO-EZND	ECO-EZ Tool w/ D-3 Seat Die
HU-EZND	ECO-EZ Jaw w/ D-3 Seat Die
HU-ECO-EZBG	ECO-EZ Tool w/ D-3 Seat Die & BG Nose Die
HU-EZBG	ECO-EZ Jaw w/ D-3 Seat Die & BG Nose Die
HU-ECO-EZO	ECO-EZ Tool w/ D-3 Seat Die & O Nose Die
HU-EZO	ECO-EZ Jaw w/ D-3 Seat Die & O Nose Die
HU-EZXPJ	ECO-EZ Jaw w/ XPJ Die
HU-EZRBC-38	ECO-EZ Jaw w/ ACSR Cutter



HU-EZXPJ



HU-EZRBC-38



**Huskie SL Series 6 Ton Battery Compression Tools** were developed after listening to feedback from customers for a more robust, higher-quality, REC (Battery)-style streamline tool. The SL-ND series will stand up to the most demanding tasks that linemen face every day. The HU-SL-ND series is available with three standard 6 Ton compression configurations. There is also an optional ACSR cutting jaw and unique bending jaw. Quickly change between head types with the pull-pin design. The bender can be used on either secondary or primary conductor in a variety of sizes. The low profile design can be used in a variety of close-quarter environments; such as underground vaults, meter bases and substation applications and wherever cable bending is required. The cutter jaw can cut up to 4/0 ACSR and up to 3/8" EHS guy wire, soft locks, and soft steel bolts. Tools operate on the same 14.4 volt battery used in all of the Huskie Robo tools. 5 year warranty and battery. Complete with AC or DC charger and carrying case.

HU-SLND	SL-ND Tool, Kearney Seat Die & "W" Die Holder
HU-SLND-JAW	SL-ND Jaw, Kearney Seat Die & "W" Die Holder
HU-SLBG	SL-ND Tool, D-3 Seat Die & BG Nose Die
HU-SLBG-JAW	SL-ND Jaw, D-3 Seat Die & BG Nose Die
HU-SLO	SL-ND Tool, D-3 Seat Die & O Nose Die
HU-SLO-JAW	SL-ND Jaw, D-3 Seat Die & O Nose Die
HU-SLCUT-JAW	SL-ND Jaw, ACSR Cutter
HU-SL-CB-JAW	SL-ND Jaw, Bender



**HU-SLO**



**HU-SLCUT-JAW**



**HU-SL-CB-JAW**

# CRIMPING



**BURNDY® CONTRACTOR SERIES IN-LINE® CSMD6-LI Series 6 Ton Li-Ion Battery Tool** is being offered as a viable alternative when performance and reliability are vital and a more economical cost point is preferred. The Contractor series tool is also an alternative for those looking to migrate away from mechanical style MD6 crimpers into a battery platform. The tool is feature-rich and has been designed for continuous use. With a newly modified hydraulic system, the tool offers better than industry standard crimp speeds and provides a consistent and secure connection every time. Fixed, scissor-action crimping jaws are available in three standard configurations and accept standard "W" and "X" style dies allowing you to select the variation that best suits your needs. The tool features a large over-molded grip area for advanced comfort, with or without gloves, and the ergonomically balanced design lessens operator fatigue. The tool offers true one-hand operation allowing for advance, retract and hold functions, freeing the other hand to position the conductor and connector for crimping. The 350° rotatable head allows for operation in virtually any position and easier access into tight spaces. The Ram holds position when the trigger is released allowing the operator to check alignment prior to crimping. The CSMD6-LI series also features a safety lock trigger preventing accidental operation of the tool when not in use. The tool is supplied with a high capacity 3.0 AH Makita battery and charger. A one-year limited warranty is offered.

BN-CSMD6-LI	MD6 Tool, D-3 Seat Die & BG nose, AC Charger
BN-CSMD6-8-LI	MD6 Tool, D-3 Seat Die & O nose, AC Charger
BN-CSMD6-6-LI	MD6 Tool, D-3 Seat Die "Snub-Nose", AC Charger
BN-CSMD6-LIDC	MD6 Tool, D-3 Seat Die & BG nose, DC Charger
BN-CSMD6-8-LIDC	MD6 Tool, D-3 Seat Die & O nose, DC Charger
BN-CSMD6-6-LIDC	MD6 Tool, D-3 Seat Die, DC Charger
BN-CSMD6-LILCB	MD6 Tool, D-3 Seat Die & BG nose, (no battery, no charger)
BN-CSMD6-8-LILCB	MD6 Tool, D-3 Seat Die & O nose, (no battery, no charger)
BN-CSMD6-6-LILCB	MD6 Tool, D-3 Seat Die, (no battery, no charger)

BN- CSMD6-LI





**Greenlee EK425L Series 6 Ton Battery Compression Tools** are available with four standard 6 Ton compression configurations. Operated with one hand, leaving the other hand free to position the cable and connector. The crimping jaws open wide to fit easily over connectors. To help prepare for a crimp, the jaws can be jogged closed until they just grip the connector, allowing the operator to position the cable in the connector before finishing the crimp. The EK425L will complete about 325 crimps per battery charge on 4/0 AWG splices. When a crimp is fully completed, the EK425L signals the operator by automatically opening the jaws. Intelligent Crimping System Technology includes a pressure sensor that monitors the crimping force of each crimp and provides the operator a visual and audible alert if the force is below specification. 18V lithium-ion battery with LED light for battery and maintenance status. LED work light. Choice of 120V, 12V or 230V battery chargers.

GR-52035 EK425L Tool, Kearney Seat Die, 12V  
 GR-52034 EK425L Tool, Kearney Seat Die, 120V  
 GR-52032 EK425L Tool, D-3 Seat Die 12V  
 GR-52031 EK425L Tool, D-3 Seat Die 120V  
 GR-52026 EK425L Tool, D-3 Seat Die & BG Nose Die, 12V  
 GR-52025 EK425L Tool, D-3 Seat Die & BG Nose Die, 120V  
 GR-52029 EK425L Tool, D-3 Seat Die & O Nose Die, 12V  
 GR-52025 EK425L Tool, D-3 Seat Die & O Nose Die, 120V



**GR-52029**



# CRIMPING



**Burndy MD6 Patriot Series 6 Ton Battery Compression Tools** feature a refined In-Line hydraulic system for ultra performance, speed and reliability. Field proven electronics for ultimate reliability in the harshest environments. Interchangeable jaws are available with four standard 6 Ton compression configurations. 18 volt Lithium-Ion batteries provide 2.5 times more charge/discharge cycles than traditional Ni-Cd batteries and provide 430% more lifetime work. Advanced design high speed pump completes a crimp in approximately 2 seconds. Overmolded handle for comfort and improved grip. 30-minute battery charger controls current, voltage and temperature to maximize battery life. True, one-handed operation for advance, retract, and hold. 6-ton output force for reliable compression connections. Pressure "pop-off" valve indicates completion of crimp. Interchangeable scissor action crimp jaws allow easier access to tight spaces. Ram holds position when trigger is released to allow the operator to check alignment prior to crimping. Large hand grip area allows easier operation with gloves. Ergonomically balanced tool design helps lessen operator fatigue. High capacity 3.0 AH batteries provide more crimps per charge. 3-year limited warranty on tool. Lifetime warranty on INFINITY DRIVE®. 1-year warranty on batteries and charger. Complete with AC or DC charger and carrying case.

BN-PATMD6-8-LI	MD6 Tool, D-3 Seat Die & O Nose Die
BN-PATJAWSMD6-8	MD6 Jaw, D-3 Seat Die & O Nose Die
BN-PATMD6-LI	MD6 Tool, D-3 Seat Die & BG Nose Die
BN-PATJAWSMD6	MD6 Jaw, D-3 Seat Die & BG Nose Die
BN-PATMD6-6-LI	MD6 Tool, D-3 Seat Die "Snub-Nose"
BN-PATJAWSMD6-6	MD6 Jaw, D-3 Seat Die "Snub-Nose"
BN-PATMD6-K-LI	MD6 Tool, Kearney Seat Die
BN-PATJAWSMD6K	MD6 Jaw, Kearney Seat Die



BN-PATMD6-8-LI



**Huskie REC-5510 12 Ton Battery Compression Tool** was specifically designed for use in single-handed operation in overhead applications such as cable trays. Ergonomically balanced pistol grip handle allows one hand to control the work while the other hand is free to operate the tool. Eliminates the cumbersome hoses and larger, heavier tools traditionally used in overhead work. The rotational head has a 1.65" opening which will accept mid-span copper and aluminum splices and lugs up to 750 MCM Cu/Al. Protective Rubber Boot on "C" Head For Brush Contact. Accepts all "U" type dies available on the market. Portability and handling are made easier because the REC-5510 system is self-contained and compact. The new rapid advance system reduces tool run time, giving you more crimp cycles per battery charge. A built-in, pre-set 10,000 psi bypass cartridge will audibly "bypass" when the optimal pressure is achieved. Tested Up to 75kV. 5 Year Warranty on Tool, Battery & Charger.



HU-REC-5510 12 Ton Pistol Grip, 1.65" "U" Type Head



**Huskie REC35510 12 Ton Battery Compression Tool** has a unique "lunch box" style weather resistant housing. When the sleeves are compressed they can be removed through the large jaw. The rotational head has a 1.65" opening which will accept mid-span copper and aluminum splices and lugs up to 750 MCM Cu/Al. Protective Rubber Boot on "C" Head For Brush Contact. Accepts all "U" type dies available on the market. Portability and handling are made easier because the REC-5510 system is self-contained and compact. The new rapid advance system reduces tool run time, giving you more crimp cycles per battery charge. A built-in, pre-set 10,000 psi bypass cartridge will audibly "bypass" when the optimal pressure is achieved. Tested Up to 75kV. 5 Year Warranty on Tool, Battery & Charger.



HU-REC-3510

HU-REC-3510 12 Ton Lunch Box, 1.65" "U" Type Head





## CRIMPING



**Burndy Patriot 750LI 12 Ton Battery Compression Tool** has a balanced pistol grip design for true, one handed operation. 360 degree rotational head with 12 ton output force. Accepts all Burndy Y ("U") type dies. 18 volt Lithium-Ion batteries provide 2.5 times more charge/discharge cycles than traditional Ni-Cd batteries and provide 430% more lifetime work. 5-year warranty on tool and 1-year warranty on battery and charger. Comes complete with high impact carrying case. Available with 120V or 12V battery charger.



**BN-PAT750-LI**

BN-PAT750-LI 12 Ton Pistol Grip, 1.65" "U" Type Head



**Greenlee EK1240 series 12 Ton Battery Compression Tools** feature intelligent crimping system technology. Includes a pressure sensor that monitors the crimping force and provides the operator a visual and audible alert if the force is below specifications. 18V lithium ion (Li-ion) battery provides 70% more cycles per charge and faster cycle times. Automatic Retraction Stop which retracts the ram just enough to get ready for the next cycle saving time and energy. LED light provides the operator with the battery charge and tool maintenance status. Forward handle position improves tool balance. Crimping head rotates 350°. Tools automatically retract when the crimping cycle is complete. LED work light illuminates dark work areas. Smart chargers control the charging current, charging voltage and battery temperature to maximize battery life. Available with 120V, 12V or 230V battery charger.



**GR-10229**

GR-10229 12 Ton Pistol Grip, 1.65" "U" Type Head, 12V  
GR-10227 13 Ton Pistol Grip, 1.65" "U" Type Head, 120V







**Huskie REC-5510K 12 Ton Battery Compression Tool** was specifically designed to accept Kearny WH-2, PH-2 and WH-3 style dies. The 1.5" Jaw opening will also accept a "U" Type die adapter. For use in single-handed operation in overhead applications such as cable trays. Ergonomically balanced pistol grip handle allows one hand to control the work while the other hand is free to operate the tool. Eliminates the cumbersome hoses and larger, heavier tools traditionally used in overhead work. The new rapid advance system allows the operator quicker compression cycles and incorporates an electronic counter that will allow the service technician to read the number of compression cycles the tool has made. Tested Up to 75kV. Protective rubber head will rotate 360 degrees. Battery & charger included.



**HU-REC-5510K**

HU-REC-5510K 12 Ton Pistol Grip, 1.50" Kearny Type Head



**Huskie REC-3510K 12 Ton Battery Compression Tool** was specifically designed to accept Kearny WH-2, PH-2 and WH-3 style dies. The 1.5" Jaw opening will also accept a "U" Type die adapter. The new rapid advance system reduces tool run time, giving you more crimp cycles per battery charge. A built-in, pre-set 10,000 psi bypass cartridge will audibly "bypass" when the optimal pressure is achieved. The unique "lunch box" style weather resistant housing provides stability for large compressions. Tested to 75kV. Protective rubber head will rotate 360 degrees. Battery & charger included.



**HU-REC-3510K**

HU-REC-3510K 12 Ton Lunch Box, 1.50" Kearny Type Head



# CRIMPING



**Burndy Patriot 750K 12 Ton Battery Compression Tool** has a balanced pistol grip design for true, one handed operation for advance, retract, and hold. State-of -the-art crimping head design with 355° rotation with 12 ton output force. Accepts all KEARNEY™ WH1 and WH2 type dies. Tension sleeves up to 477 ACSR, taps through 500 kcmil and terminals up to 1033 kcmil. 18 volt Ni-MH battery eliminates typical memory and shortage issues. 5-year warranty on tool and 1-year warranty on battery and charger. Comes complete with high impact carrying case. Available with 120V or 12V battery charger.

BN-PAT750K-18V

BN-PAT750K-18V 12 Ton Pistol Grip, 1.50" Kearny Type Head



**Greenlee EK1240 series 12 Ton Battery Compression Tools** feature intelligent crimping system technology. Includes a pressure sensor that monitors the crimping force and provides the operator a visual and audible alert if the force is below specifications. 18V lithium ion (Li-ion) battery provides 70% more cycles per charge and faster cycle times. Automatic Retraction Stop which retracts the ram just enough to get ready for the next cycle saving time and energy. LED light provides the operator with the battery charge and tool maintenance status. Forward handle position improves tool balance. Crimping head rotates 350°. Tools automatically retract when the crimping cycle is complete. LED work light illuminates dark work areas. Smart chargers control the charging current, charging voltage and battery temperature to maximize battery life. Available with 120V, 12V or 230V battery charger.

EK1240K

GR-12567 12 Ton Pistol Grip, 1.50" Kearny Type Head, 12V  
GR-12566 12 Ton Pistol Grip, 1.50" Kearny Type Head,





**Burndy Patriot PAT46LWS (Light Weight Scoop) 15-Ton battery actuated “C-Head” Compression Tool** has been redesigned to offer customers an ergonomic, light weight alternative to the existing PAT46LI (355° head rotation). This series has been designed to accept all BURNDY® standard “P” and “U” style crimping dies (w/PUADP-1 adapter).

- Weighing 18.9 lbs., limit the fatigue experienced with heavier tools.
- Offered in both 18-volt (3.0 AH) Lithium-Ion and NiMH battery platforms, providing customers a choice depending upon their existing inventory (Includes 2 batteries, charger, and polymer carrying case).
- Refined hydraulic system and field-proven electronics offer customers superior reliable performance and speed in the harshest working environments.
- Over-molded handle for comfort and improved grip allows for one-handed operation for advance, retract and hold.
- Trigger guard added to prevent accidental operation while being carried.
- 5-year limited warranty on tools and lifetime warranty on INFINITY DRIVE® transmission. 1-year warranty on batteries and chargers.



BN-PAT46LWS

BN-PAT46LWS 15 Ton Pistol Grip, 2.00" "P" Type Head



**Burndy Patriot PAT46LW (Light Weight) 15-ton battery actuated “Latch Head” Compression Tool** is a light weight alternative to the existing PAT46 “C-head” design (355° head rotation). This series has been designed to accept all BURNDY® standard “P” and “U” style crimping dies (w/PUADP-1 adapter).

- Weighing 16.79 lbs., limit the fatigue experienced with heavier tools.
- Offered in both 18-volt (3.0 AH) Lithium-Ion and NiMH battery platforms, providing customers a choice depending upon their existing inventory (Includes 2 batteries, charger, and polymer carrying case).
- Refined hydraulic system and field-proven electronics offer customers superior reliable performance and speed in the harshest working environments.
- Over-molded handle for comfort and improved grip allows for one-handed operation for advance, retract and hold.
- Trigger guard added to prevent accidental operation while being carried.
- 5-year limited warranty on tools and lifetime warranty on INFINITYDRIVE® transmission. 1-year warranty on batteries and chargers.



BN-PAT46LW

BN-PAT46LW 15 Ton Pistol Grip, 2.00" "P Latch Head"



# CRIMPING



**HU-REC-3610**

## **Huskie REC-3610 15 Ton Compression**

**Tool** is capable of crimping splices and lugs up to 1250 MCM aluminum and 1500 MCM copper. The REC-3610 offers a wide handle opening with finger grooves, allowing easy access for gloved work. The base of the tool is contoured for stability and incorporates finger grooves for a better grip. The tool has a latched head and its pull-out release pin cannot be entirely removed from the jaw. The jaw opens wide to accept all "P" type dies used in the industry today. The PU-15 die adapter is available for use with all 12 ton "U" type dies. The unique "lunch box" style weather resistant housing provides stability for large compressions. Tested Up to 75kV. Flip-Top Protective Rubber head will rotate 360 degrees. Battery, die case & charger included. Available with 120V or 12V battery charger.



HU-REC-3610 15 Ton Lunch Box, 2.00" "P" Type Head



**EK1550**

## **Greenlee EK1550 Series 15 Ton Battery Compression**

**Tools** feature intelligent crimping system technology. Includes a pressure sensor that monitors the crimping force and provides the operator a visual and audible alert if the force is below specifications. 18V lithium ion (Li-ion) battery provides 70% more cycles per charge and faster cycle times. Automatic Retraction Stop which retracts the ram just enough to get ready for the next cycle saving time and energy. LED light provides the operator with the battery charge and tool maintenance status. Forward handle position improves tool balance. Crimping head rotates 350°. Tools automatically retract when the crimping cycle is complete. LED work light illuminates dark work areas. Smart chargers control the charging current, charging voltage and battery temperature to maximize battery life. Available with 120V, 12V or 230V battery charger.



GR-52151 15 Ton Pistol Grip, 2.00" "P" Type Head, 12V  
GR-52150 15 Ton Pistol Grip, 2.00" "P" Type Head, 120V





**Greenlee ES20L Series Battery Cutters** were designed primarily to cut distribution ACSR cable. Scissor style blades make it easy to cut short tag ends on tap cables in H-tap connectors. The 3/4" opening has the following capacity: ACSR: 336 KCMIL, Guy Strand (Not EHS): 3/4", Ground Rod: 3/4", Rebar: 3/4". Powerful state-of-the-art 18V lithium ion (Li-ion) battery. LED light provides the operator with the battery charge and tool maintenance status. In line tool style is light weight and very easy to control. One trigger controls all tool functions. Cutting head rotates 350 Degrees. Tool automatically retracts when the cutting cycle is complete. Overmolded tacky grip areas make gripping the tool easier and more comfortable. LED work light illuminates dark work areas. Uses bio-degradable oil. Smart chargers control the charging current, charging voltage and battery temperature to maximize battery life. Available with 120V and 12V battery charger.

GR- 13936 InLine, .75" Jaw Opening, 12V  
GR- 13935 InLine, .75" Jaw Opening, 120V



ES20L



# CUTTING



**Huskie ECO-447 6 Ton Battery Cutter** has a streamline design for handling the most difficult tasks. Designed for cutting up to 477 MCM ACSR and 500 MCM copper and aluminum. Will also cut up to 3/8" guy wire. The swivel head design allows the jaws to rotate 180° for operator convenience. These tools operate on the same 14.4 volt battery used in all of the Huskie Robo tools. Energized lines will not affect the operation or performance of the tool. The ECO-EZ tools carry a 1-year or 3-year warranty on the tool, and the batteries carry a 5-year warranty. Complete with AC or DC charger and carrying case.

HU-ECO-477 InLine, .75" Jaw Opening



HU-ECO-477



**Burndy Patriot Series 4.5 Ton Battery Cutting Tool** feature a refined In-Line hydraulic system for ultra performance, speed and reliability. Field proven electronics for ultimate reliability in the harshest environments. 18 volt Lithium-Ion batteries provide 2.5 times more charge/discharge cycles than traditional Ni-Cd batteries and provide 430% more lifetime work. Advanced design high speed pump completes a cut in approximately 2 seconds. Overmolded handle for comfort and improved grip. 30-minute battery charger controls current, voltage and temperature to maximize battery life. True, one-handed operation for advance, retract, and hold. 4.5-ton output force for reliable cutting applications.

- \* Cutting Capacity: Copper Weld / AlumaWeld: 3/8" Dia. [10 mm] (approx. #4 AWG depending on stranding), Rebar: 3/8" Dia. [10 mm], Copper: 500 kcmil (.93" [24 mm] Max. Insulation Dia.), Aluminum 636 kcmil Orchid (0.93" [24 mm] Max. Insulation Dia.), ACSR: 556.5 kcmil Dove 26/7 (0.93" [24 mm] Max. Dia.).
- \* Warranty: 5 years on tool; 1 year on battery and charger; Lifetime on INFINITY DRIVE®.

BN-PATMDCUTLI InLine, 3/8" Cutting Capacity



BN-PATMDCUTLI





**Huskie SL-S20 Battery Cutter** was designed to cut the toughest steel used in construction today. It can replace an entire tool kit, including several sizes of conventional bolt cutters, hacksaws, acetylene torches and cable cutters. With the pull of a trigger, you can cut ACSR cables up to 477, standard guy wires to 3/8", and ground rods to 1/2". The specially designed flip-top latch and rotating head provide exceptional ease of use and maneuverability in tight working quarters. Battery, die case & charger included. Available with 120V or 12V battery charger. 5 Year Warranty on Tool, Battery & Charger.

HU-SL-S20 InLine, .75" Jaw Opening



**HU-SL-S20**





**Greenlee ESG 25L Battery Cutters** are designed primarily to cut distribution ACSR cable. Capacity : Cutter Head Opening: 1.0", ACSR: 636 KCMIL, Guy Strand (Not EHS): 5/8", Ground Rod: 3/8", Rebar: 3/8", Wire Rope: 1/2". 18V lithium ion (Li-ion) battery. LED light provides the operator with the battery charge and tool maintenance status. In-line tool style is light weight and very easy to control. One trigger controls all tool functions. Cutting head rotates 350 degrees. Tool automatically retracts when the cutting cycle is complete. Overmolded tacky grip areas make gripping the tool easier and more comfortable. LED work light illuminates dark work areas. Smart chargers control the charging current, charging voltage and battery temperature to maximize battery life. Available with 12V or 120V battery chargers.

GR-12387 InLine, 1.0" Jaw Opening, 12V  
GR- 12383 InLine, 1.0" Jaw Opening, 120V



ESG 25L



# CUTTING



## Huskie REC-S640 Battery Cutter

is designed to cut up to 1590 ACSR (1-1/2"), regular guy wires and ground rod up to 5/8". The balanced pistol grip handle allows for one handed operation, ideal for aerial bucket work and trench operations. It features a two stage, rapid advance ram for reduced cycle times. Rotational head; simply remove the pin latch, place over cable, reinsert pin, and cut. A built-in bypass will pop off if the material is beyond the cutter's capacity. Not intended to cut Extra High Strength (EHS) guy wire or case hardened steel rods. Tested up to 75kV. 5 Year Warranty on Tool, battery and charger. Available with 120V or 12V battery charger.



HU-S640

HU-S640 Pistol Grip, 1.6" Jaw Opening



## Burndy Patriot 129 Battery Cutter

is capable of cutting up to 1.29 diameter copper and aluminum cable, 1113 ACSR, 5/8 ground rods, 1/2 rebar, 5/8 diameter soft steel bolts, up to 1/2 standard guy strand, and up to 3/8 EHS guy strand. Refined hydraulic system for ultra performance, speed and reliability. Field proven electronics for ultimate reliability in the harshest environments. Overmolded handle for comfort and improved grip; allows for one-handed operation for advance, retract, and hold. Specialized latch head design for interference free closure for mid-span cuts. 18-volt Lithium-Ion batteries provide 2.5 times more charge/discharge cycles than traditional Ni-Cd batteries and provide 430% more lifetime work. 30 minute charger controls current, voltage and temperature to maximize battery life. Forced air fan cools the battery by forcing cool air through the battery's built-in air vents. 180° head rotation allows user to get into tight areas easier. Ergonomically balanced tool design eases operation and lessens fatigue. Durable high impact formed carrying case provides superior protection and stores all accessories. 5-year limited warranty on tool (excluding blades). Lifetime warranty on INFINITY DRIVE®. 1-year warranty on batteries and charger.



BN-PATCUT129-LI

BN-PATCUT129-LI Pistol Grip, 1.29" Jaw Opening







### Greenlee ESG 45L Series Battery Cutters

are designed specifically to cut ACSR, guy strand and ground rods. Capacity : ACSR: 1590 KCMIL (MCM), (Falcon 54/19), Standard Guy Strand: 5/8 IN Diameter, EHS Guy Strand: 1/2 IN Diameter, Ground Rod: 5/8 IN Diameter, Rebar (SCH 60): 1/2 IN Diameter, Wire Rope: 5/8 IN Diameter, Copper And Aluminum Cable: 1500 KCMIL (MCM), Soft Steel. 18V lithium ion (Li-ion) battery provides 70% more cycles per charge and faster cycle times. Retraction Stop allows the operator to stop the ram retraction at any point simply by tapping the trigger, and then starting the next cutting cycle. LED light provides the operator with the battery charge and tool maintenance status. Two-stage hydraulic system provides fast advance and power speeds. Forward handle position improves tool balance. Cutting head rotates 350°. Tools automatically retract when the cutting cycle is complete. LED work light illuminates dark work areas. Smart chargers control the charging current, charging voltage and battery temperature to maximize battery life. Available with 120V or 12V battery chargers.



ESG 45L

GR- 52125 Pistol Grip, 1.46" Jaw Opening, 12V  
GR- 52124 Pistol Grip, 1.46" Jaw Opening, 120V



### Greenlee ESG 55L Series Battery Cutters

are designed specifically to cut ACSR, guy strand and ground rods. Capacity : ACSR: Joree 76/19 AWG (2515KCMIL), Standard Guy Strand: 5/8 IN Diameter, EHS Guy Strand: 9/16 IN Diameter, Ground Rod: 3/4 IN Diameter, Rebar (SCH 60): 5/8 IN Diameter, Soft Steel Bolts: 3/4 IN Diameter. 18V lithium ion (Li-ion) battery provides 70% more cycles per charge and faster cycle times. Retraction Stop allows the operator to stop the ram retraction at any point simply by tapping the trigger, and then starting the next cutting cycle. LED light provides the operator with the battery charge and tool maintenance status. Two-stage hydraulic system provides fast advance and power speeds. Forward handle position improves tool balance. Cutting head rotates 350°. Tools automatically retract when the cutting cycle is complete. LED work light illuminates dark work areas. Smart chargers control the charging current, charging voltage and battery temperature to maximize battery life. Available with 120V or 12V battery chargers.



ESG 55L

GR-13007 Pistol Grip, 1.80" Jaw Opening, 12V  
GR-13006 Pistol Grip, 1.80" Jaw Opening, 120V



## DRILL KITS



**Milwaukee M18 FUEL™ 1/2" Drill/Driver Kit.** Voltage; 18V, Battery; M18™ REDLITHIUM™ XC4.0, Charger; M18™ and M12™ Multi-Voltage Charger, Tool Warranty; 5 Years, Length; 7.9", Peak Torque; 725 in-lbs, Battery Warranty; 3 Year, Chuck Type; 1/2" Metal Single Sleeve - Ratcheting Lock, Speed; 0-550/0-1,850 RPM.

Kit Includes:

- (1) M18 FUEL™ 1/2" Drill/Driver (2603-20)
- (2) M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack (48-11- 1840)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (1) Carrying Case

ML-2603-22 Drill Kit, 1/2" Drill/Driver, M18 FUEL™



ML-2603-22



**Milwaukee M18 FUEL™ 1/2" Hammer Drill/Driver Drill Kit.** Voltage; 18V, Battery; M18™ REDLITHIUM™ XC4.0, Charger; M18™ and M12™ Multi-Voltage Charger, Tool Warranty; 5 Years, Length; 8.1", Peak Torque; 725 in-lbs, Battery Warranty; 3 Year, BPM; 0-31,450, Chuck Type; 1/2" Metal Single Sleeve - Ratcheting Lock, Speed; 0-550/0-1,850 RPM.

Kit Includes:

- (1) M18 FUEL™ 1/2" Hammer Drill/Driver (2604-20)
- (2) M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack (48-11-1840)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (1) Carrying Case
- (1) Side Handle

ML-2604-22 Drill Kit, 1/2" Hammer Drill/Driver, M18 FUEL™



ML-2604-22







**Milwaukee M18 FUEL™ 7/16" Hex Utility Impacting Wrench Drill Kit** with 300 ft/lb. Voltage; 18V, Battery; M18™ REDLITHIUM™, Charger; M18™ and M12™ Multi-Voltage Charger, Tool Warranty; 5 Years, Length; 9-1/2", Peak Torque; 350 ft-lbs, Battery Warranty; 3 Year, Charge Time; 1 hour, No Load Speed; 0-1,900 RPM, No Load IPM; 0-2,200. Kit Includes:

- (1) M18™ 7/16" Hex Utility Impacting Drill (2665-20)
- (1) M18™ Lithium-Ion AC/DC Wall and Vehicle Charger (2710-20)
- (2) M18™ REDLITHIUM™ XC Extended Capacity Battery (48-11-1828)
- (1) Contractor Bag

ML-2665-22 Drill Kit; 7/16" Hex Utility Impacting, 300 ft/lb., M18 FUEL™



ML-2665-22



**Milwaukee M18 FUEL™ 7/16" Hex High Torque Impact Wrench Drill Kit** with 500 ft/lb. Voltage; 18V, Battery; M18™ REDLITHIUM™ XC4.0, Charger; 18V charger, Tool Warranty; 5 Years, LED Light; Yes, Battery Warranty; 3 Year, Electrical Brake; Yes, Switch Type; Variable Speed Trigger, Anvil Size and Type; 7/16" Hex Quick Change. Kit Includes:

- (1) M18™ Lithium-Ion AC/DC Wall and Vehicle Charger (2710-20)
- (1) M18 FUEL™ 7/16" Hex Utility Impacting Drill (2765-20)
- (2) M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack (48-11-1840)
- (1) Contractor Bag

ML-2765-22 Drill Kit; 7/16" Hex High Torque Impact Wrench, 500 ft/lb., M18 FUEL™



ML-2765-22



# WRENCH & DRILL KITS



## **Milwaukee M18 FUEL™ 1/2" High Torque Impact Wrench with Friction Ring Drill Kit.**

Voltage; 18V, Battery; M18™ REDLITHIUM™ XC4.0, Charger; M18™ and M12™

Multi-Voltage Charger, Tool Warranty; 5 Years, LED Light; Yes, Battery

Warranty; 3 Year, Electrical Brake; Yes, Switch Type; Variable Speed

Trigger, Anvil Size and Type; 1/2" Square - Friction Ring, Torque; 100

ft-lbs (Mode 1) and 700 ft-lbs (Mode 2), Package Type; Extended

Kit, Nut-Busting Torque; 1,100 ft-lbs.

Kit Includes:

- (1) M18 FUEL™ 1/2" High Torque Impact Wrench with Friction Ring (2763-20)
- (2) M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack (48-11-1840)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (1) Carrying Case



**ML-2763-22**

ML-2763-22 Drill Kit, 1/2" High Torque Impact Wrench with Friction Ring, M18 FUEL™

## **Milwaukee M18 FUEL™ 3/4" High-Torque Impact Wrench with Friction Ring Drill Kit.**

Voltage; 18V, Battery; M18™

REDLITHIUM™ XC4.0, Charger; M18™ and M12™ Multi-

Voltage Charger, Tool Warranty; 5 Years, LED Light; Yes,

Battery Warranty; 3 Year, Electrical Brake; Yes, Switch

Type; Variable Speed Trigger, Anvil Size and Type; 3/4"

Square - Friction Ring w/ Thru Hole, Torque; 375 ft-lbs

(Mode 1) and 750 ft-lbs (Mode 2), Package Type; Extended

Kit, Nut-Busting Torque; 1,200 ft-lbs.

Kit Includes:

- (1) M18 FUEL™ 3/4" High-Torque Impact Wrench with Friction Ring (2764-20)
- (2) M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack (48-11-1840)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (1) Carrying Case



**ML-2764-22**

ML-2764-22 Drill Kit, 3/4" High-Torque Impact Wrench with Friction Ring, M18

# HAMMER DRILL & GRINDER



**Milwaukee M18 FUEL™ 5/8" SDS Plus Rotary Hammer Kit** The Milwaukee® M18™ 5/8" SDS Plus Compact Hammer Kit delivers 0-1,300 RPM and 0-7,000 BPM for drilling holes up to 5/8" in concrete and masonry. Its compact design increases user comfort and can drill more than 110 holes per charge. The kit includes 2 M18 XC High-Capacity REDLITHIUM™ Battery Packs, M18™ & M12™ Multi-Voltage Charger, side handle, depth rod and carrying case.

Specifications:

- Charge Time: 1 hour
- No Load Speed: 0-1,300
- Blow Energy: 1 ft.-lb
- BPM: 0-7,000
- Trigger Lock: No
- Solid Bit Capacity: 5/8"
- Drilling Mode: 2-Mode: Rotary Hammer and Drill Only
- Handle Style: Drop Motor
- Vibration Reduction: No
- Voltage: 18V
- Battery: M18™ REDLITHIUM™
- Tool Warranty: 5 Years
- Length: 12"
- Weight: 5.5 lbs
- LED Light: Yes
- Battery Warranty: 3 Year
- Battery: M18™ REDLITHIUM™
- Charger: M18™ and M12™ Multi-Voltage Charger

**ML-2612-22**



**ML-2612-22** Drill Kit, 5/8" SDS Plus Rotary Hammer, M18 FUEL™

**Milwaukee M18 FUEL™ 4-1/2"- 5" Grinder Kit** with Slide Switch Lock-On. Voltage; 18V, Battery; M18™ REDLITHIUM™ XC4.0, Charger; M18™ and M12™ Multi-Voltage Charger, Tool Warranty; 5 Years, Length; 15", Weight; 5.8 lbs, Battery Warranty; 3 Year, Switch Type; Slide with Lock-On, Speed; 8,500 RPM, Trigger Lock; Yes, Vibration Reduction; Yes, Tool Free Guard; Yes, Arbor Size; 5/8"-11, Package Type; Extended Kit.

Kit Includes:

- (1) M18 FUEL™ 4-1/2" / 5" Grinder, Slide Switch Lock-On (2781-20)
- (2) M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack (48-11-1840)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (1) Carrying Case
- (1) Flange Nuts
- (1) Wheel Guard
- (1) Spanner Wrench



**ML-2781-22**

**ML-2781-22** Grinder Kit, 4-1/2"- 5" Grinder Kit with Slide Switch Lock-On, M18 FUEL™

**ML-49-94-4515** Grinding Wheel, 4-1/2" x 1/4" x 5/8-11", (Type 27)  
**ML-49-94-5020** Grinding Wheel, 5" x 1/4" x 7/8", (Type 27)  
**ML-49-94-4505** Cut-Off Wheel, 4-1/2" x .045" x 7/8", (Type 27)  
**ML-49-94-5005** Cut-Off Wheel, 5" x .045" x 7/8", (Type 27)

# GRINDERS



## Milwaukee 13 Amp 5" Small Angle Grinder with Lock-On Paddle

delivers up to 30% more durability and power than the competition. 2,100 MWO motor that powers through the toughest jobs. Features include Overload Protection, Electronic Clutch, Line Lock-Out and Soft Start. Constant Power Technology™ enables the grinder to maintain speed under load for unmatched performance and productivity. Featuring a 100% tool-free design. Specifications:

- Length: 12.2"
- Voltage: 120V AC
- Tool Warranty: 5 Years
- No Load Speed: 11000 RPM
- Cord Type: 2-Wire
- Electronic Feedback: Yes
- Cord Length: 8'
- Amps: 13
- Spindle: 5/8"-11
- Construction Type: Double Insulated
- Adjustable Handle: Yes
- Wheel Diameter: 5 Inch
- Overload Protection: Yes
- Burst Resistant Guard: Yes
- Max Watts Out: 2100 MWO
- Spindle Thread: 5/8"-11

ML-6117-30 Grinder, Small Angle, 5", 13 Amp, Lock-On Paddle

### ML-6117-30



**Milwaukee 15 Amp 7"/9" Large Angle Grinder w/ ROTO-LOK® Lock-on** features 4.2 HP motor provides high overload protection powers through the toughest jobs. Features include Overload Protection, Electronic Clutch, Line Lock-Out and Soft Start. Constant Power Technology™ enables the grinder to maintain speed under load for unmatched performance and productivity. Featuring a 100% tool-free design.

Specifications:

- Voltage: 120 AC/DC
- Tool Warranty: 5 Years
- No Load Speed: 6000 RPM
- Cord Type: 2-Wire
- Cord Length: 8'
- No Load RPM: 6,000
- Amps: 15
- Spindle: 5/8"-11
- Construction Type: Double Insulated
- Soft Grip Handle: Yes
- Max HP: 4.2
- Adjustable Handle: Yes
- Wheel Diameter: 7"/9"
- Burst Resistant Guard: Yes
- Easy Acuation Spindle lock: Yes
- Epoxy Motor Protection: 25 Longer Lasting
- Exhaust System: Multi-Port
- Gears: Spiral Bevel
- Max Watts Out: 3130 MWO
- Spindle Thread: 5/8"-11
- Use Wheels RPM Above: 6600 RPM

ML-6089-30 Grinder, Large Angle, 7"/9", 15 Amp, ROTO-LOK®

### ML-6089-30







## Milwaukee M12™ Cordless Sub-Compact Band Saw Kit.

Voltage; 12V, Tool Warranty; 5 Years, Length; 11", SFPM; 280, Blade Length; 27" x 1/2" x .020".

Kit includes:

- (1) 18 TPI Sub-Compact Band Saw Blade
- (1) M12™ Cordless Sub-Compact Band Saw (2429-20)
- (1) M12™ XC High Capacity REDLITHIUM™ Battery (48-11-2402)
- (1) M12™ Lithium-ion Battery Charger (48-59-2401)
- (1) Carrying Case



ML-2429-21XC



ML-2429-21XC Cordless Sub-Compact Band Saw Kit, M12™  
ML-48-39-0572 Sub-Compact Band Saw Blade,  
27" X 1/2" X .020", 18TPI, 3PK

## Milwaukee M28™ Cordless Large LITHIUM-ION Band Saw Kit. Voltage; 28 DC, Tool Warranty; 5 Years, Length; 22", Blade Length; 44-7/8" x 1/2" x .020".

Kit includes:

- (1) M28™ Cordless LITHIUM-ION Band Saw (0729-20)
- (1) M28™ Lithium-Ion Battery Pack (48-11-2830)
- (1) 28-Volt Charger (48-59-2819)



ML-0729-21



ML-0729-21 Cordless Large LITHIUM-ION Band Saw Kit, M28™  
ML-48-39-0521 Standard Deep Cut Band Saw Blade,  
44-7/8" x 1/2" x .020", 18 TPI, 3PK

# BAND SAWS



**Milwaukee Compact Band Saw** is the perfect tool for cutting metal in-place, overhead or in tight spaces. With 3-1/4" cut capacity and low vibration, this saw delivers the cleanest cuts on the most common materials including strut, 2-1/2" conduit, 3" angle iron, 3" copper and threaded rod without ruining the threads. Features a work light, blade ejection system and a tool-free adjustable material guide that allows the user to make cuts flush to ceilings or walls.

Specifications:

- Length: 16"
- Weight: 9.5 lbs
- Voltage: 120V AC
- Cord Type: 3-Wire
- Cord Length: 8'
- Amps: 7
- Capacity: 3-1/4" X 3-1/4"
- Keyless Adjustable Shoe: Yes
- Blade: 35 3-8 Inch
- SFPM Variable Speed: 200/360
- Blade Length: 35-3/8" x 1/2" x .020"

ML-6242-6 Band Saw, Compact



ML-6242-6



**Milwaukee Deep Cut Variable Speed Band Saw** deliver 2X more durability, best-in-class power at 11 Amps, revolutionary cut visibility and the industry's largest cut capacity at 5" by 5".

Specifications:

- Length: 21"
- Weight: 14.5 lbs
- Voltage: 120V AC
- Amps: 11
- Construction Type: Grounded
- Capacity: 5" X 5"
- SFPM Variable Speed: 0-380

ML-6232-21 Band Deep, Cut Variable Speed



ML-6232-21





**Milwaukee M18™ Cordless LITHIUM-ION 5-3/8" Circular Metal Saw Kit.** Voltage; 18V, Battery; M18™ REDLITHIUM™ Charger; M18™ and M12™ Multi-Voltage Charger, Tool Warranty; 5 Years, Length; 12 ", Weight; 4.3 lbs, Width; 6.5", Blade Guard; Polycarbonate, Shoe; Stainless Steel.  
Kit Includes:

- (1) M18™ Cordless LITHIUM-ION 5-3/8" Metal Saw (2682-20)
- (2) M18™ REDLITHIUM™ XC Extended Capacity Battery (48-11-1828)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (1) Contractor Bag

**ML-48-40-4070**



**ML-2682-22**



ML-2682-22 Cordless LITHIUM-ION 5-3/8" Circular Metal Saw Kit, M18™  
ML-48-40-4070 Metal Circular Saw Blade, 5-3/8", 30 Teeth Ferrous

**Milwaukee M18 FUEL™ Reciprocating SAWZALL® Saw Kit.** Voltage; 18V, Battery; M18™ REDLITHIUM™ XC4.0, Charger; M18™ and M12™ Multi-Voltage Charger, Tool Warranty; 5 Years, Length; 18-1/2", Weight; 8.9 lbs, LED Light; Yes, Battery Warranty; 3 Year, Stroke Length; 1-1/8", Keyless Adjustable Shoe; Yes, Keyless Blade Clamp; Yes, Blade Clamp; QUIK-LOK® Universal, SPM; 0-3,000, Package Type; Extended Kit.  
Kit Includes:

- (1) M18 FUEL™ SAWZALL® Reciprocating Saw (2720-20)
- (2) M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack (48-11-1840)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (1) Blade
- (1) Carrying Case



**ML-2720-22**



**ML-49-22-1131**



ML-2720-22 Reciprocating SAWZALL®Saw Kit, M18 FUEL™  
ML-49-22-1131 Metal Cutting Ice Hardened™ SAWZALL® Blade Set, 14PC

# BATTERIES



**Milwaukee M12™ XC High Capacity REDLITHIUM™ Battery** delivers more runtime, power and speed than standard lithium-ion batteries. 3.0 amp-hours of runtime. REDLINK™ Intelligence features overload protection to prevent you from damaging your cordless power tools in heavy-duty situations, while the discharge protection prevents cell damage.

Specifications:

- Voltage: 12V
- Warranty: 3 Year



ML-48-11-2402 Battery, REDLITHIUM™ XC High Capacity , 12V



**Milwaukee M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack** delivers up to 2X more runtime, 20% more power and 2X more recharges than standard lithium-ion batteries. 4.0 amp-hours of runtime. REDLINK™ Intelligence features overload protection to prevent you from damaging your cordless power tools, while the discharge protection prevents cell damage.

Specifications:

- Voltage: 18V
- Warranty: 3 Year



ML-48-11-1840

ML-48-11-1840 Battery, REDLITHIUM™ XC 4.0 Extended Capacity, 18V



ML-48-11-2830

**Milwaukee M28™ Lithium-Ion Battery Pack** is built to handle high-torque applications on the jobsite with ease. REDLINK™ Intelligence features overload protection to prevent you from damaging your cordless power tools, while the discharge protection prevents cell damage. For use with Milwaukee M28 and V28™ cordless power tools.

Specifications:

- Voltage: 28V
- Warranty: 3 Year



ML-48-11-2830 Battery, Lithium-Ion, 28V





**Milwaukee M12™ Lithium-ion Battery Charger** quickly charges all M12™ batteries. Power up your M12™ RED LITHIUM™ and M12™ Lithium-Ion batteries in less than an hour. Communicates directly with the battery pack to manage charges and features an easy-to-load design. Monitor battery charges for all of your M12™ cordless tools with the onboard indicator light.

Specifications:

- Voltage: 12 V
- Warranty: 5 Year



ML-48-59-2401

ML-48-59-2401 Battery Charger, Lithium-Ion, 12V

**Milwaukee M18™ & M12™ Lithium-ion Battery Multi-Voltage Charger** accepts all M18™ and M12™ batteries sequentially. The charger communicates directly with the battery pack to monitor cell voltage, temperature and charge status to ensure a full charge. Charges in 30 minutes and extended capacity batteries in 60 minutes.

Specifications:

- Voltage: 12 V & 18V
- Warranty: 5 Year



ML-48-59-1812

ML-48-59-1812 Battery Charger, Lithium-Ion, 12V & 18V

**Milwaukee M18™ Lithium-Ion Battery AC/DC Wall and Vehicle Charger** combines the functionality of a wall charger and a vehicle charger into a single unit. Charger communicates directly with the battery pack to monitor cell voltage, temperature and charge status to quickly charge all of your M18™ REDLITHIUM™ and M18™ Lithium-Ion batteries. Get the status of your battery with the charger's

Specifications:

- Voltage: 18V
- Warranty: 5 Year



ML-2710-20

ML-2710-20 Battery Charger, Lithium-Ion, 18V, AC/DC

**Milwaukee V28™ and M28™ Lithium-Ion Battery Charger** quickly charges V28 and M28 Lithium-Ion batteries in less than one hour. High-visibility LED light displays the charge status. Single-charger simplicity when working with all of your V28 and M28 cordless power

Specifications:

- Voltage: 28V
- Warranty: 5 Year



ML-48-59-2819

ML-48-59-2819 Battery Charger, Lithium-Ion, 28V

# DRILL PRESSES



ML-4270-21

**Milwaukee Compact Electromagnetic Drill Press Kit.** Weight; 26.5 lbs, Voltage; 120V AC, Cord Type; 8' Fixed, Electronic Feedback; Yes, No Load RPM; 450, Amps; 9, Construction Type; Grounded, Adjustable Base; No, Drill Travel; 6.6", Chuck or Taper; Weldon, Drill Capacity; 1/2", Drill Point Pressure; 750 lbs.

Kit Includes:

- (1) Compact Electromagnetic Drill Press Kit (4270-21)
- (1) Carrying Case
- (1) Lubricant Spray Bottle
- (1) Nylon Safety Strap
- (1) Two Hex Wrenches

ML-4270-21 Drill Press Kit, Compact Electromagnetic



**Milwaukee 1/2" Motor Electromagnetic Drill Press** is ideal for drilling small holes into steel. The Adjustable-Position Electromagnetic Drill Press with 1/2" Motor features the 4203 adjustable-position, variable-speed base and the 4253-1 1/2-in drill motor. 7.2-amp motor provides plenty of power to deliver 600 RPM and produce up to 1650 pounds of drill point pressure with a 1-inch steel plate.

Specifications:

- Weight: 57.0 lbs
- Voltage: 120V AC
- Cord Type: 9' Fixed
- Electronic Feedback: Yes
- No Load RPM: 0-600
- Amps: 7.2
- Construction Type: Grounded
- Adjustable Base: Yes
- Drill Travel: 9"
- Chuck or Taper Chuck
- Drill Capacity: 1/2"
- Drill Point Pressure: 1,610/1,650 lbs
- Tap Capacity: 5/8"-18

ML-4204-1 Drill Press, 1/2" Motor Electromagnetic



ML-4204-1



**Fein JHM USA 101 Electromagnetic Drill Press** for diameters of 7/16" - 1 1/2" (13 mm – 38 mm). A special drill spindle guide makes this a highly durable tool and delivers efficient, precise drilling on the construction site.

Specifications:

- Stable torque for mag base drilling diameters of up to 1 1/2 (38mm).
- Special drill spindle guide maintains concentricity and ensures positive slug ejection.
- Weight-optimized drill jig with integrated coolant tank for vertical and overhead working.
- Gravity-fed cooling lubrication
- Cutter depth: 2" (50mm)
- Contact and chip guard
- Easy guide adjustment
- Right or left hand feed handles
- MagBot™ removable coolant bottle



**JN-JHM-USA-101**

JN-JHM-USA-101 Drill Press, JHM USA 101 Electromagnetic

**Milwaukee Annular Cutters** dual alternating tooth geometry and thin-wall construction help Milwaukee's durable Annular Cutter cut up to 15% faster. 20% thinner walls, the cutter displaces less material for the same size hole. Milwaukee's proprietary high-speed steel with three hardness zones minimizes breakage and helps the bit last longer. 3/4" Weldon shank is ideal for use with most small magnetic drill presses and large magnetic drill presses with the correct arbor. The centering and ejecting pin (included) is compatible with all 2" depth cutters.

Specifications:

## Annular Cutter

- Shank: 3/4" Weldon
- Pack Qty: 1
- Type: Annular & Carbide Cutters
- Diameter: 13/16"
- Depth: 2"
- Material: High Speed Steel
- Coating: Black Oxide
- Available Sizes: 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", 1-5/16", 1-3/8", 1-7/16", 1-1/2", 1-9/16", 1-5/8", 1-11/16", 1-3/4", 1-13/16", 1-7/8", 1-15/16", 2"



ML-49-59-2081 Annular Cutter, 13/16"X2"  
 ML-49-59-2089 Annular Cutter, 7/8"X2"  
 ML-49-59-2094 Annular Cutter, 15/16"X2"  
 ML-49-59-2100 Annular Cutter, 1"X2"  
 ML-49-59-2106 Annular Cutter, 1-1/16"X2"  
 ML-49-59-2113 Annular Cutter, 1-1/8"X2"





# BLOWERS



**Stihl BG-56-C-E Homeowner Handheld Blowers** feature a fuel efficient, low-emission engine. Easy start. Semi-automotive choke. Stop switch automatically returns to start position.

Displacement: 27.2 cc (1.66 cu. in.)  
Engine Power: 0.7 kW (0.9 bhp)  
Weight: 5.2 kg (11.5 lbs.)  
Fuel Capacity: 540 cc (18.3 oz.)  
Air Velocity: Round: 64 m/sec. (143 mph)  
Air Volume: Round: 710 m<sup>3</sup>/h (418 cfm)  
Air Volume (Vac Mode): 710 m<sup>3</sup>/h (418 cfm)  
Sound Pressure Rating: 70 dB(A) Vac & Blower  
Measured per ANSI B 175.2  
Bag Capacity: 1.5 cu.ft. = 1.2 bushel

SI-BG-56-C-E



SI-BG-56-C-E Blower, Shredder/Vac, 1.66 cu.in., 0.9 bhp, 143 mph

**STIHL**

**Stihl BG-86 Professional Handheld Blowers** features HD-2 air filtration system. Powerful and fuel-efficient, low emission engine. Four-spring anti-vibration. Shock-absorbing starter handle. Throttle lock and stop switch. Semi-automatic choke lever. Two-ringed piston for extended life. Soft grip handle.

Displacement: 27.2 cc (1.66 cu. in.)  
Engine Power: 0.8 kW (1.10 bhp)  
Weight: 4.4 kg (9.7 lbs.)  
Fuel Capacity: 440 cc (14 oz.)  
Air Velocity at Nozzle: Flat 641 m<sup>3</sup>/h (359 cfm)  
Round: 780 m<sup>3</sup>/h (459 cfm)  
Sound Pressure Rating: 70 dB (A)  
Measured per ANSI B 175.2

SI-BG-86



SI-BG-86 Blower, Professional, Powerful

**STIHL**





## Stihl BR-350 Farm & Ranch Backpack Blower

features power, value and provides better fuel economy and cleaner emissions than a standard 2-stroke engine. Rugged enough to tackle wet, heavy leaves and lawn debris. Anti-vibration. Fuel-efficient engine and large fuel tank. Variable cruise control function integrated on control handle. Tube mounted throttle for easy, single handed operation. Simple start. Two-ringed piston. Large pleated air filter.

Displacement: 63.3 cc (3.86 cu. in.)

Engine Power: 2.1 kW (2.8 bhp)

Weight: 10.0 kg (22.0 lbs.)

Fuel Capacity: 1700 cc (57.5 oz.)

Air Volume: With tube: 750 m<sup>3</sup>/h (441 cfm)

Without tube: 1150 m<sup>3</sup>/h (677 cfm)

Air Velocity 75 m/sec. (168 mph)

Sound Pressure Rating: 74 dB(A)

Measured per ANSI B 175.2



SI-BR-350

SI-BR-350 Blower, Handheld, 3.86 cu.in., 2.8 bhp, 168 mph



**Stihl BR-430 Professional Backpack Blower** features fuel economy and cleaner emissions. Anti-vibration. Tube-mounted throttle, easy single-handed operation. Throttle lock function on control handle. Simplified start. Two-ringed piston for extended life. Starter handle. Back padding, broad shoulder straps and rubberized grip provide support and comfort. Durable 4-inch wear area on tube nozzle.

Displacement: 63.3 cc (3.86 cu.in.)

Engine Power: 2.9 kW (3.9 bhp)

Weight: 10.1 kg (22.3 lbs.)

Fuel Capacity: 1700 cc (57.5 oz.)

Air Volume: With tube: 850 m<sup>3</sup>/h (500cfm)

Without tube: 1300 m<sup>3</sup>/h (765 cfm)

Air Velocity: 82 m/sec. (183 mph)

Sound Pressure Rating: 76 dB (A),

Measured per ANSI B 175.2



SI-BR-430

SI-BR-430 Blower, Professional, Backpack



# BLOWERS



**Stihl BR-600 Magnum Professional Backpack Blower** features fuel-efficiency and has a low emission engine. Three-position adjustable blower tube. Throttle lock function integrated on control handle. High quality, durable harness with dual adjustments. Simplified starting. Comfortable weight. Single-hand operation. Reduced vibration.

Displacement: 64.8 cc (3.95 cu.in.)  
Engine Power: 2.8 kW (3.8 bhp)  
Weight: 9.8 kg (21.6 lbs.)  
Fuel Capacity: 1400 cc (47.3 oz.)  
Air Volume: With tube: 1210 m<sup>3</sup>/h (712cfm)  
Without tube: 1720 m<sup>3</sup>/h (1012 cfm)  
Air Velocity: 90 m/sec. (201 mph)  
Sound Pressure Rating: 75 dB (A)  
Measured per ANSI B 175.2

SI-BR-600 Blower, Back-Pack, All-In-One

**STIHL**



SI-BR-600







**Stihl BT-45 Professional Wood Boring Drill** features gas powered engine. Dependable, powerful, lightweight engine. Primer bulb and throttle lock for easy starting, easy-access air filter, electronic ignition, exclusive toolless fuel cap, two-ringed piston, compact, streamlined ergonomic design for easy operation. Anti-vibration. Two-speed gearbox, with neutral position as well as reverse gear. Toolless chuck accepts 1/2" drive bits up to 1" in diameter. Friction clutch is designed to slip if bit stalls. Balanced design with well-spaced handles. Easy adjust 360 degree front handle. Can be converted to planting auger with kit.

Displacement: 27.2 cc (1.6 cu.in.)

Engine Power: 0.8 kW (1.07 bhp)

Weight: 4.8 kg (10.5 lbs.)

Fuel Tank Capacity: 250 cc (8.5 oz.)

Drill Speed: 1st Gear: 663 rpm, 2nd Gear: 1,972 rpm, Reverse: 590 rpm

SI-BT-45 Drill, Wood Boring, Speed 663 rpm - 1972 rpm

**STIHL®**



**SI-BT-45**

Drill bit sold separately.

**Tanaka TN-TED-270PFR Wood Boring Drill** features forged steel connecting rod. Walbro diaphragm with primer carburetion. New comfort and safety improvements. Dual position padded handle. Drill anywhere, any position without cords or generators.

Clutch type: Heavy Duty Centrifugal

Chuck Size: .5"

Cylinder: Chrome Plated, Stress Relieved

Engine Type: PureFire Two-Stroke

Handle Style: Dual Position Padded Front

Ignition Type: Transistorized Electronic

Maximum Bit Size: 1" Wood, 0.5"Steel, 0.5"Concrete

Starter Type: Standard Recoil

Chuck Type: Keyless

Gear Reduction: 20:1

TN-TED-270PFR Drill, Wood Boring, FWD/REV



**TN-TED-270PFR**

Drill bit sold separately.

## SAWS



**Stihl MS-170 Homeowner Chain Saw** features compensating carburetor. Automatic bar and chain oiler. Anti-vibration. Easy-access air filter.

Displacement: 30.1 cc (1.8 cu.in.)  
Engine Power: 1.3 kW (1.7 bhp)  
Weight (Powerhead only): 3.9 kg (8.6 lbs.)  
Fuel Capacity: 250 cc (8.5 oz.)  
Chain Oil Capacity 145 cc (4.9 oz.)  
Oilomatic® Chain: 3/8" PMM3  
Recommended Bar Lengths:  
30 to 40 cm (12" to 16")

SI-MS-170



SI-MS-170 Chain Saw, Compact, Lightweight

**STIHL**

**Stihl MS-192-T C-E Professional Chain Saw** features easy start system. Compensating carburetor. Toolless fuel and oil caps with retainers. Purge pump primer. Built-in retractable carry ring. Side-access chain tensioner. Top handle.

Displacement: 30.1 cc (1.8 cu.in.)  
Engine Power: 1.3 kW (1.7 bhp)  
Weight (Powerhead only): 3.2 kg (7.0 lbs.)  
Fuel Capacity: 270 cc (9.1 oz.)  
Oil Capacity: 220 cc (7.4 oz.)  
Oilomatic® Chain: 61 PMM3 or 63 PM3  
Recommended Bar Length:  
30 to 40 cm (12" to 16")

SI-MS-192-T-C-E Chain Saw, 1.8 cu.in., 1.7 bhp, 12" - 16" bar



**STIHL**

SI-MS-192-T-C-E





**Stihl MS-250 Homeowner Chain Saws** feature toolless fuel and oil caps with retainers. Carburetor preheat shutter. Side-access chain tensioner.

Displacement: 45.4 cc (2.77 cu.in.)

Engine Power: 2.2 kW (3.0 bhp)

Weight (Powerhead only): 4.6 kg (10.1 lbs.)

Fuel Capacity: 470 cc (15.9 oz.)

Chain Oil Capacity 200 cc (6.8 oz.)

Oilomatic® Chain: .325" RM3

Recommended Bar Lengths:

40 to 45 cm (16" to 18")

SI-MS-250 Chain Saw, Occasional/Professional



SI-MS-250



## SAWS



**Stihl MS-261-C-MQ Professional Chain Saw** features microprocessor controlled engine management system. Pre-separation filter. Canister-style air filter for fine dust filtering. Compensating carburetor. Toolless fuel and oil caps with retainers. Reduced emissions engine technology.

Displacement: 50.5 cc (3.08 cu.in.)

Engine Power: 2.9 kW (3.9 bhp)

Weight (Powerhead only): 5.2 kg (11.6 lbs.)

Fuel Capacity: 500 cc (16.9 oz.)

Chain Oil Capacity 270 cc (9.13 oz.)

Oilomatic® Chain: 26 RM3

Recommended Bar Lengths: 40 to 50 cm (16" to 20")

**STIHL**



**SI-MS-261-C-MQ**

SI-MS-261-C-MQ Chain Saw, Quick-stop, M-Tronic

**Stihl MS-271 Farm & Ranch Chain Saws** feature low-emission, fuel-efficient engine. Pre-separation filter. Advanced anti-vibration. Toolless fuel and oil caps with retainers. Side-access chain tensioner. Lightweight muffler. Compact, ergonomic design.

Displacement: 50.2 cc (3.06 cu.in.)

Engine Power: 2.6 kW (3.49 bhp)

Weight (Powerhead only): 5.6 kg (12.3 lbs.)

Fuel Capacity: 500 cc (16.9 oz.)

Chain Oil Capacity 240 cc (8.12 oz.)

Oilomatic® Chain: 26 RM3

Recommended Bar Lengths: 40 to 50 cm (16" to 20")

**STIHL**



**SI-MS-271**

SI-MS-271 Chain Saw, Farm Boss



**Stihl MS-291 Farm and Ranch Chain Saw** features low-emission, fuel-efficient engine. Pre-separation filter. Compensating carburetor. Toolless fuel and oil caps with retainers. Reduced emissions engine technology.

Displacement: 55.5 cc (3.39 cu.in.)

Engine Power: 2.8 kW (3.76 bhp)

Weight (Powerhead only): 6.4 kg (14.1 lbs.)

Fuel Capacity: 500 cc (16.9 oz.)

Chain Oil Capacity 240 cc (8.12 oz.)

Oilomatic® Chain: .325 RM3

Recommended Bar Lengths: 40 to 50 cm (16" to 20")



SI-MS-291

SI-MS-291 Chain Saw, High Power, High-tech, Low Maintenance

**Stihl MS-661-C-M Professional Chain Saw** features innovative, microprocessor-controlled engine management system which adjusts the engine to compensate for changes in operating conditions and maintaining optimum engine performance. Reduced-emissions. Decompression valve. Fuel and oil caps with retainers. Easy-start handle. High-output, adjustable automatic bar and chain oiler for long guide bars. Side-access chain tensioner. Long term filter using HD filter element. Captured bar nuts in sprocket cover. Rigid AV with less vibration.

Displacement: 91.1 cc (5.56 cu.in.)

Engine Power: 5.4 kW (7.2 bhp)

Weight (Powerhead Only) Flush-Cut: 7.56 kg (16.67 lbs.) Wrap Handle: 7.66 kg (16.8)

Fuel Capacity: 825 cc (27.9 oz.)

Chain Oil Capacity 360 cc (12.2 oz.)

Oilomatic® Chain: 33 RS3

Recommended Bar Length 16" to 32"



SI-MS-661-C-M

SI-MS-661-C-M Chain Saw, Professional, 5.56 cu.in., 7.2 bhp, 16" - 32"



## SAWS



**Stihl MS-880 Professional Chain Saw** features a compensating carburetor. Easy-start handle. Decompression valve. One-piece cast muffler design. Side-access chain tensioner, heavy duty filter and an extended chip deflector.

Displacement: 121.6 cc (7.42 cu.in.)

Engine Power: 6.4 kW (8.6 bhp)

Weight (Powerhead only): 10.1 kg (22.3 lbs.) Wrap Handle: 10.33 kg (22.7 lbs.)

Fuel Capacity: 1300 cc (44.0 oz.)

Chain Oil Capacity 700 cc (23.7 oz.)

Oilomatic® Chain: .404", RM, RS 3/8" RS3

Recommended Bar Lengths: 43 to 150 cm (17" to 59")

SI-MS-880 Chain Saw, Magnum Professional, 7.42 cu.in., 8.6 bhp, 17"- 59"

The STIHL logo in orange italicized capital letters with a registered trademark symbol.

**SI-MS-880**









# CUT-OFF SAWS



**Stihl TS-420 Cutquik Cut-Off Saws** feature a powerful and fuel-efficient, low-emission engine and is also compact, lightweight and reliable. With the added benefit of a 14" wheel, it handles cuts up to 4.9 inches in depth.

Displacement: 66.7 cc (4.07 cu.in.)  
Engine Power: 3.2 kW (4.4 bhp)  
Weight\*: 9.6 kg (21.2 lbs.)  
Fuel Tank Capacity: 710cc (24 oz.)  
Engine Speed: 9000 rpm (Elec. Gov.)  
Max. Spindle Speed: 5,350 rpm  
Arbor Size: 20 mm  
Maximum Wheel Size:  
350 mm (14")  
Maximum Cutting Depth:  
125 mm (4.9")

**STIHL**

SI-TS-420



SI-TS-420 Cut-Off Machine, Compact, Powerful

**Stihl-TS-500i Professional Cut-Off Saw** features electronically controlled, fuel injected engine. Provides optimum torque throughout the RPM range and incredible acceleration. Simple start with no choke. Lightweight, compact and well balanced design. Low maintenance air filtration. Convenient mounted keypad allows easy adjustment of waterflow while cutting. Water control memory for latest setting. Water flow stops at idle speed and starts automatically when throttle engages.

Displacement: 72.2 cc (4.41 cu. in.)  
Engine Power: 3.9 kW (5.2 bhp)  
Weight\*: 10.2 kg (22.5 lbs.)  
Fuel Tank Capacity: 725 cc (24.5 oz.)  
Engine Speed: 9,000 rpm (Elec. Gov.)  
Max. Spindle Speed: 5,350 rpm  
Arbor Size: 20 mm  
Maximum Wheel Size:  
350 mm (14")

**STIHL**



SI-TS-500i Cut-Off Saw, 4.41 cu.in., 5.2 bhp, 14" wheel, 4.9"



**Stihl-TS-800 Professional Cut-Off Saw** features low maintenance air filtration. Powerful and fuel efficient, low emission engine. Semi-automatic belt tensioner with innovative treaded belt. Large upright fuel opening with retainer and cap. Sealed bearings with two-piece precision-machined crankshaft. Five-point advanced vibration. Reversible wheel guard for inboard or outboard cutting.

Displacement: 98.5 cc (6.0 cu.in.)

Engine Power: 5.0 kW (6.7 bhp)

Weight\*: 12.7 kg (28.0 lbs.)

Fuel Tank Capacity:

1200 cc (40.6 oz.)

Engine Speed: 9,300 rpm (Elec. Gov.)

Max. Spindle Speed: 4,600 rpm

Arbor Size: 20 mm

Maximum Wheel Size:

400 mm (16")

Maximum Cutting Depth:

143 mm (5.6")



**STIHL®**

SI-TS-800 Cut-Off Saw, 6.0 cu. In., 6.7 bhp, 16" wheel, 5.6" depth





# TRIMMERS



Si-FS-70-R

**Stihl-FS-70-R Homeowner Trimmer** features a fuel-efficient, low emission engine. Easy start system. Semi-automatic choke lever. 2-line head. Simple, reliable and convenient starting procedure. Low vibration and comfortable working angle. Stop switch, automatically returns to start position. Support strap.

Displacement: 27.2 cc (1.66 cu.in.)

Engine Power: 0.8 kW (1.1 bhp)

Weight\*: 4.8 kg (10.6 lbs.)

Fuel Capacity: 340 cc (11.5 oz.)

**STIHL®**

SI-FS-70-R Trimmer, 1.66 cu.in., 1.1 bhp



SI-FS-90-R

**Stihl FS-90-R Professional Bike Handle Trimmer** features a low emission engine. Solid drive shaft will accommodate metal blades with approved deflectors and handle configurations. Standard 25-2 head.

Displacement: 28.4 cc (1.73 cu.in.)

Engine Power: 0.95 kW (1.27 bhp)

Weight\*: 5.3 kg (11.7 lbs.)

Fuel Capacity:  
530 cc (18.0 oz.)

**STIHL®**

SI-FS-90-R Trimmer, Precise/Powerful, Low Exhaust



Si-FS-100-RX

**Stihl FS-100-RX Professional Trimmer** features low-emission engine. Quick, smooth acceleration. 2-line head. Lower vibration. Gearbox and guard design reduce the weight and improve comfort and maneuverability.

Displacement: 31.4 cc (1.9 cu.in.)

Engine Power: 1.05 kW (1.4 bhp)

Weight\*: 4.9 kg (10.8 lbs.)

Fuel Capacity: 530 cc (18.0 oz.)

**STIHL®**

SI-FS-100-RX Trimmer, 1.9 cu.in., 1.4 bhp



## TRIMMERS



**Stihl FS-110 Professional Bike Handle Trimmer** features a low emission engine. Quick, smooth acceleration. Lightweight, balanced, low-profile design makes it comfortable to use. 2-line head and lower vibration for comfortable operation.

Displacement: 31.4 cc (1.9 cu. in.)

Engine Power: 1.05 kW (1.4 bhp)

Weight\*: 5.8 kg (12.8 lbs.)

Fuel Capacity: 530 cc (18 oz.)

**STIHL®**

SI-FS-110 Trimmer, Fuel-Efficient, Lightweight

**Stihl FS-240 Professional Bike Handle Trimmer** features a low emission engine. Easy-adjust, soft-grip bike handle swivels for easy transport and storage. Simple-start and automatic choke lever for easy, smooth starts. Stop switch automatically returns to start position. Compensating carburetor for reduced air flow to maintain desired RPM. Vertical pleated air filter. Large translucent fuel tank allows for longer run times. Standard 25-2 head.

Displacement: 37.7 cc (2.3 cu. in.)

Engine Power 1.7 kW (2.3 bhp)

Weight\*: 7.0 kg (15.4 lbs.)

Fuel Capacity:

**STIHL®**

SI-FS-240 Trimmer, Bike Handle, 2.3 cu. in., 2.3 bhp

**Stihl FS-560-C-EM Professional Brushcutter/Clearing Saw** features a fuel efficient, low-emission engine. Easy start with simplified procedure and semi-automatic choke lever and stop switch which automatically returns to the start position. Innovative, microprocessor controlled engine management system adjusts the engine to compensate for changes in operating conditions, maintaining optimum engine performance. Large Translucent fuel tank. Rugged design with four-point anti-vibration. Easy-adjust soft-grip bike handle swivels for easy transport. Extremely lightweight, comfortable universal harness.

Displacement: 57.1 cc (3.48 cu. in.)

Engine Power: 2.8 kW (3.75 bhp)

Weight\*: 10.2 kg (22.5 lbs.)

Fuel

Capacity: 990 cc (33.5 oz.)

**STIHL®**

SI-FS-560-C-EM Clearing Saw, Powerful, Fuel-Efficient



## BREAKERS & DRIVERS





# BREAKERS & DRIVERS

**Stanley BR45 Hydraulic Class Breakers** have a Rugged, Lightweight and Powerful construction which make them ideal for use in the 35-65 pound class (2-6" Concrete). Designed for light- to medium-duty operation, they excel at curb and sidewalk demolition, asphalt cutting, and are popular for ground rod driving with electric utilities. The Stanley Easi Ride™ foot, offered on the BR45 absorbs and controls tool-bit bounce, greatly reducing operator fatigue. Available with Standard T-Handles or Spring Isolated, Anti-Vibration Handles (BR45S) reduce operator fatigue, literally allowing the breaker to float in the user's hands. Built in Handle Stops on anti-vibration handle model (BR45S) allow operator to apply full body weight in tough applications. Feathering On/Off Valve allows the operator to control the output energy of the tool through the full range from 0 to 1,800 blows per minute, making startup and initial tool placement easy. Diaphragm-Type Accumulator design provides for ease of maintenance and extended service life of the tool. Operate at a 2000 psi input pressure, 8 gpm outflow with a maximum back pressure of 250 psi (17 bar) on open-center systems. Complete Line of Steels for breaking, cutting, or driving are available from SafetyTest. Note: All models ship with hose whips.

SN-BR45120EBR45; T-Handle, 1-1/8 in. Hex, Easi-Ride™ Foot  
SN-BR45125SBR45S; Anti-Vibration Handle, 1-1/8"x6"Hex, Easi-Ride™ Foot



**Stanley BR67 Class Hydraulic Breakers** are medium duty tools for work in the 70-90 pound class (6-8" Concrete). They are highly productive in utility construction, street maintenance, repair of water and gas mains, and general contracting jobs. Available in both a T-Handle and Anti-Vibration Handle Model. Spring-Dampened, Anti-Vibration Handles (BR67S) reduce operator fatigue, allowing the breaker to float in the user's hands. Built in handle stops allow operator to apply full body weight in tough applications. Easi-Ride™ foot, offered on the BR67, absorbs and controls tool-bit bounce, greatly reducing operator fatigue. Feathering On/Off Valve controls blow speed, making start-up and initial tool placement easy. Diaphragm Accumulator provides trouble-free operation. Operate at a 2000 psi input pressure, 8 gpm outflow with a maximum back pressure of 250 psi (17 bar) on open-center systems. Accumulator on BR67S can be serviced without disassembling the tool. Available in 1-1/8 or 1-1/4" chuck hex sizes. Complete Line of Steels for breaking, cutting, or driving are available from SafetyTest. Note: All models ship with hose whips.

SN-BR67120EBR67; T-Handle, 1-1/8"x6" Hex, Easi-Ride™ Foot  
SN-BR67125 BR67S; Anti-Vibration Handle, 1-1/8"x6" Hex, Standard



**Stanley BR87 Class Hydraulic Breakers** are heavy-duty tools for work in the 90 pound class and above (8"+ Concrete). They are highly productive in utility construction, street maintenance, repair of water and gas mains, and general contracting jobs. A feathering On/Off Valve controls speed, making start-up and initial tool placement easy. Diaphragm Accumulator provides trouble-free operation. Operate at a 2000 psi input pressure, 8 gpm outflow with a maximum back pressure of 250 psi (17 bar) on open-center systems.

SN-BR87130E Anti-Vibration Handle, 1-1/8"x6" Hex, Standard Foot



**HPB45-1AVS**

**Greenlee HPB45-1AVS (45lbs.) and HPB55-1AVS (55lbs.) Class Hydraulic Breakers** are great for breaking sidewalks and curbs or driving ground rod, and for other small demolition jobs. Clean modular design with few protrusions to irritate operators' legs. High blow energy provides maximum breaking power. Integral rubber damper reduces chisel noise. Low noise and vibration levels. AVS tools have patented spring-dampened handles that reduce vibration transmitted to the operator by 80%-90%. Two-step trigger. Supplied with 12 IN (305 mm) steel braided whip hoses.

GR-021971 HPB45; Anti-Vibration Handle, 1-1/8"x6"Hex  
GR-022015 HPB55; Anti-Vibration Handle, 1-1/8"x6"Hex



# BREAKER & DRIVER ACCESSORIES


**TEREX®**

**Brunner & Lay Ground Rod Drivers** are available in 5/8", 3/4", 7/8" and 1" rod sizes. 1-1/8" x 6" shank with a 3" deep hole incorporated in the driving end to guide and support the ground rod.


**BR-B32783**

BR-B32783 5/8" Grd. Rod, 1-1/8" X 6" Shank  
 BR-B32785 3/4" Grd. Rod, 1-1/8" X 6" Shank  
 BR-B32787 7/8" Grd. Rod, 1-1/8" X 6" Shank  
 BR-B32789 1" Grd. Rod, 1-1/8" X 6" Shank


**BR-A31014**

**Brunner & Lay Standard Moil Points** are the most popular all purpose tool used by contractors, public utilities and municipalities for everyday concrete breaking needs.

BR-A31014 Moil Point 1-1/8" X 6" Shank, 14" Length  
 BR-A31018 Moil Point 1-1/8" X 6" Shank, 18" Length  
 BR-A31024 Moil Point 1-1/8" X 6" Shank, 24" Length  
 BR-A31036 Moil Point 1-1/8" X 6" Shank, 36" Length  
 BR-A31048 Moil Point 1-1/8" X 6" Shank, 48" Length  
 BR-A31060 Moil Point 1-1/8" X 6" Shank, 60" Length  
 BR-A31072 Moil Point 1-1/8" X 6" Shank, 72" Length


**BR-A33014**

**Brunner & Lay Standard 3" Chisel** is used for cutting asphalt, line cutting or scoring of concrete, and breaking of softer concretes and other substances too soft for efficient moil point work.

BR-A33014 Standard 3" Chisel 1-1/8" X 6" Shank, 14" Length  
 BR-A33018 Standard 3" Chisel 1-1/8" X 6" Shank, 18" Length  
 BR-A33024 Standard 3" Chisel 1-1/8" X 6" Shank, 24" Length  
 BR-A33036 Standard 3" Chisel 1-1/8" X 6" Shank, 36" Length  
 BR-A33048 Standard 3" Chisel 1-1/8" X 6" Shank, 48" Length  
 BR-A33060 Standard 3" Chisel 1-1/8" X 6" Shank, 60" Length  
 BR-A33072 Standard 3" Chisel 1-1/8" X 6" Shank, 78" Length


**BR-A32018**

**Brunner & Lay Narrow Chisels** are preferred by many. The chisels are used for the identical purpose as the moil point, but with a blade rather than a point.

BR-A32014 Narrow Chisel 1-1/8" X 6" Shank, 14" Length  
 BR-A32018 Narrow Chisel 1-1/8" X 6" Shank, 18" Length  
 BR-A32024 Narrow Chisel 1-1/8" X 6" Shank, 24" Length  
 BR-A32036 Narrow Chisel 1-1/8" X 6" Shank, 36" Length  
 BR-A32048 Narrow Chisel 1-1/8" X 6" Shank, 48" Length  
 BR-A32060 Narrow Chisel 1-1/8" X 6" Shank, 60" Length  
 BR-A32072 Narrow Chisel 1-1/8" X 6" Shank, 78" Length

**Greenlee Hydraulic Ground Rod Drivers** have a deep rod opening for smooth operation and ensures that the driver will not jump off. Lightweight design allows for easy mounting on top of rods. Dual guide rods provide excellent control for driving rods straight, and the remote on/off valve makes it easy to control the depth of the rod. Operates with open/closed centered hydraulic systems. Blow Energy: 63.000 Ft./Lb. Blow Frequency : 1740/Min. @ 8 gpm. Flow Range: 5-8 gpm with 2000 psi pressure.

GR-11192 5/8" Opening  
GR-11193 1" Opening



**GR-11192**



**Stanley GD50 Hydraulic Ground Rod Drivers** provide a competitive means of driving rods with proven, hard-hitting technology. Two models are available, the GD50132RF that drives 1/2-inch and 5/8-inch rods the GD50133 that drives 3/4-inch and 1 inch rods. The lifting eye allows the operator to suspend the driver above the rod with ease. The long side handles give the operator control during the driving process. The in-line valve in the 8-foot hose whips gives the operator On/Off control where he is standing. Both GD50 models have driving anvils which are designed to fit the rods which helps to minimize damage to the rod ends. The anvil which remains in contact with the rod while the hammer in the ground rod driver delivers its high energy blows to the anvil. The deep socket of the anvil keeps the driver from jumping off the end of the rod. The anvils are interchangeable, so that you can change the capacity of a ground rod driver by simply changing anvils. The removal of two bolts is all that is required to service the front end of the GD50.

SN-GD50132RF 1/2"- 5/8" Rods  
SN-GD50133RF 3/4" - 1" Rods

**STANLEY**  
Infrastructure

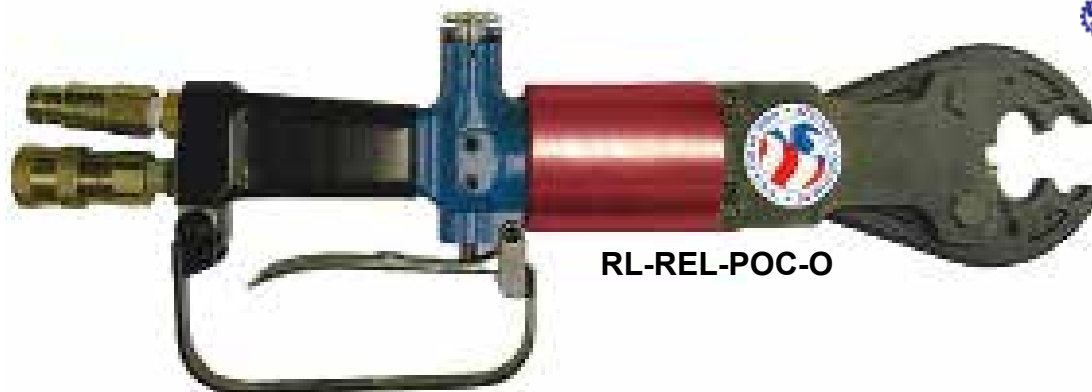


# CRIMPING TOOLS



**Reliable 6 Ton POC/PCC Series Hydraulic Crimping Tools** are available with D-3 (W Style) Seat Die and O Fixed Nose Die, D-3 (W Style) Seat Die and 5/8" (BG) Fixed Nose Die and a Kearney Seat Die and 5/8" (BG) Nose Die. Crimp up to 4/O Copper or Aluminum. Crimping head swivels 180 degrees on handle. Operate from any 1,500-2,500 psi hydraulic power source. Smaller than many equivalent 6 ton low pressure crimping tools currently available. Available for operation with open or closed hydraulic systems. 3-9 gpm.

RL-REL-POC-O	D-3 Seat Die, O Fixed Nose Die; Open Center
RL-REL-PCC-O	D-3 Seat Die, O Fixed Nose Die; Closed Center
RL-REL-POC-BG	D-3 Seat Die, 5/8" Fixed Nose Die; Open Center
RL-REL-PCC-BG	D-3 Seat Die, 5/8" Fixed Nose Die; Closed Center
RL-REL-POC-K	Kearney Seat Die, 5/8" Fixed Nose Die; Open Center
RL-REL-PCC-K	Kearney Seat Die, 5/8" Fixed Nose Die; Closed Center



RL-REL-POC-O



**Stanley CT06 6 Ton Dieless Hydraulic Crimping Tool** is designed for use with Anderson style connectors. It is Compatible with the following tooling and die application: Anderson, VC6-FT, VC6-FTV, VC6-FTR, VC6-FTVR and #10 750 MCM Aluminum, A#10-500 MCM Copper. 3-9 gpm.

SN-CT06026N 6 Ton, Dieless Quad-Point, Flip-Top



SN-CT06026N







# CRIMPING TOOLS



## Greenlee LPK1230 and LPK1240 12 Ton U-Type Hydraulic

**Crimping Tools** are available with 1.2" and 1.65" jaw opening. Compatible with dies for: Burndy Y35; Alcoa 12A, 12 AC, 12HA, 12HAC; Anderson HC-12, HC-12H; Thomas & Betts 12-Ton. Operates on open or closed centered systems. No high pressure intensifier required. Relief valve signals operator when crimp is complete. Head rotates for easy accessibility. Flow Rate: 3-9 gpm. Operating Pressure: 1500-2500 psi.

GR-49340 12 Ton, 'U' Type, 1.20" Jaw Opening  
GR-49345 12 Ton, 'U' Type, 1.65" Jaw Opening



GR-49345

**Stanley CT10 Series 12 Ton U-Type Hydraulic Crimping Tools** are available with a Y-35 and a Y750 Burndy style head. The 1.20" Burndy Y35 head accepts the following dies: Burndy; L, H, Alcoa; 12A, 12AC, 12HA, 12HAC and 30A, Anderson; HC-12 and HC-12H Greenlee; 1985, Huskie; EP410, EP410T, EP430, EP510, EP410HT, RP410H, EP510H, PDY-1220 and PDY-1216, Thomas & Betts; 12 Ton, Teledyne; TPU-12 BH. The 1.50" Burndy Y750 head accepts the following dies: Burndy; Y35, Y750 BH, Alcoa; 12A, 12AC, 12HA, 12HAC and 30A, Anderson; HC-12 and HC-12H, Greenlee; 1985, Huskie; EP410, EP410T, EP430, EP510, EP410HT, RP410H, EP510H, PDY-1220 and PDY-1216, Thomas & Betts, 12 Ton. Capacity: 500 MCM Copper, 636 MCM Aluminum, 556.5 ACSR. Flow Rate: 3-9 gpm. Operating Pressure: 1500-2500 psi.

SN-CT10016N 12 Ton, Y-35 'U' Type, 1.20" Jaw Opening  
SN-CT10066AN 12 Ton, Y-750 'U' Type, 1.50" Jaw Opening



SN-CT10066AN



**Burndy 12 Ton U-Type Hydraulic Crimping Tool** uses all standard Burndy "U" dies and covers a wide range of applications with its 1.65" jaw opening. Conductor Range: #8-750 kcmil Al/Cu, #4-556 kcmil ACSR. Visual and audible crimp indicator. Ergonomic handle for improved balance and less fatigue. 350 degree head rotation. Spring back-up for ram retraction if hydraulic system shuts down. Operates on open or closed centered systems. Flow Rate: 3-9 gpm. Operating Pressure: 1500-2500 psi.

BN-LPH750XT 12 Ton, 'U' Type, 1.65" Jaw Opening



BN-LPH750XT

**Reliable 12 Ton U-Type Hydraulic Crimping Tool** operates from any 1,500-2,500 psi hydraulic power source. No high pressure intensifier needed. Smaller than many equivalent 12 ton low pressure crimping tools currently available. Crimp up to 750 MCM Copper or Aluminum. Operate on Open- or Closed- Center systems. Exchange head from 12 ton "U" Style to 12 ton Kearney style without removing from service, using optional adapter and Kearney style head. 12 ton Kearney Style tool is also available. Crimping head swivels 360 degree on handle. Flow Rate: 3-9 gpm.

RL-REL-1.5-C 12 Ton, 'U' Type, 1.50" Jaw Opening



RL-REL-1.5-C

# CRIMPING TOOLS



**Greenlee LPK1240K 12 Ton Kearney-Type Hydraulic Crimping Tool** Compatible with dies for: Kearney PH-2, PH-3 Tools. No high pressure intensifier required. Relief valve signals operator when crimp is complete. Head rotates for easy accessibility. Operates on open or closed centered system. Flow Rate: 3-9 gpm. Operating Pressure: 1500-2500 psi.

GR-49350 12 Ton, 'Kearney' Type, 3.8" Jaw Opening



GR-49350

**Stanley CT10 Series 12 Ton Kearney-Type Hydraulic Crimping Tool** is compatible Kearney WH3 and Huskie EP510K style dies. Capable of crimping Tens. Fitting 47726-7 ACSR, Term. Thru 1033 MCM Straight Aluminum. Flow Rate: 3-9 gpm. Operating Pressure: 1650-2500 psi.

SN-CT10056DH 12 Ton, 'Kearney' Type, 3.8" Jaw Opening



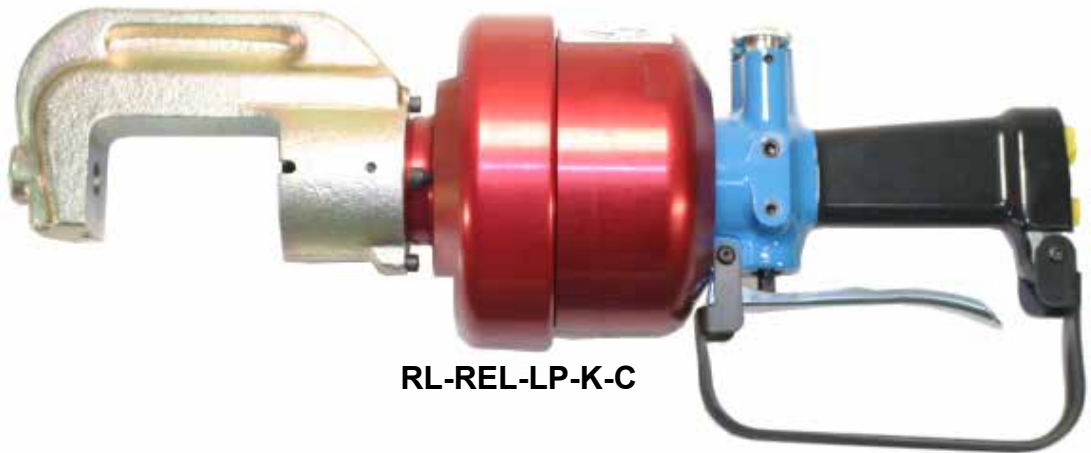
SN-CT10056DH





**Reliable 12 Ton Kearney-Type Hydraulic Crimping Tool** operates from any 1,500-2,500 psi hydraulic power source. Smaller than many equivalent 12 ton low pressure crimping tools. Crimp up to 750 MCM Copper or Aluminum. Operate on Open- or Closed- Center systems. Exchange head from 12 ton Kearney Style to 12 ton Burndy "U" style without removing from service, using optional adapter and Burndy style head. Crimping head swivels 360 degree on handle.

RL-REL-LP-K-C 12 Ton, 'Kearney' Type, 3.8" Jaw Opening



RL-REL-LP-K-C

## Greenlee LPK

500 MCM and larger. Compatible with dies for: Kearney PH2, PH4/PH14; Burndy Y35, Y46; Penn-Union TPU-15PH; Thomas & Betts TBM 15 PF. Also can be converted with adapters for use with Burndy 'U'-style dies and Kearney PH2 and some WH2 dies. No high pressure intensifier is required. Relief valve signals operator when crimp is complete. Operates on either open or closed center systems. Flow Rate: 3-9 gpm. Operating Pressure: 1500-2500 psi.

GR-49355 15 Ton, Universal Head



GR-49355

# CRIMPING TOOLS



HU-CN-58H

**Huskie HU-CN-58H 6 Ton C-type Remote Hydraulic Crimping Head** has a rubber boot cover and 0.95" jaw opening. The remote head requires an external 10,000 psi pumping source. Accepts Kearney "O" and Burndy "W" type dies. It is a service entrance compression tool. Comes complete with 3/8" male, screw type coupler and carrying case.

HU-CN-58H 6 Ton, "O" Type Remote Head, 0.95" Jaw Opening



HU-EP-750HA

**Huskie HU-EP-750HA 6.2 Ton Dieless Remote Hydraulic Crimping Head** is designed to crimp Anderson and other brand connectors Mfg. to ANSI C119.4 (#10 str- 750MCM Cu/Al). The HU-EP-750HA has a 1.5" jaw opening. Flip-top design. Comes complete with 3/8" male, screw type coupler and carrying case.

HU-EP-750HA 6.2 Ton, Dieless Remote Head, Flip-Top



HU-EP-410H

**Huskie HU-EP-410H 12 Ton C-type Remote Hydraulic Crimping Head** has a rubber boot cover and a 1" jaw opening. The remote head requires an external 10,000 psi pumping source. Accepts all "U" type dies, splices up to 400 MCM, and lugs up to 750 MCM. Comes complete with 3/8" male, screw type coupler and carrying case.

HU-EP-410H 12 Ton, 'U' Type Remote Head, 1" Jaw Opening



HU-EP-430H

**Huskie HU-EP-430H 12 Ton C-type Remote Hydraulic Crimping Head** has a rubber boot cover and a 1-13/16" jaw opening. The remote head requires an external 10,000 psi pumping source. Accepts all "U" type dies, splices up to 600 MCM, and lugs up to 750 MCM. Comes complete with 3/8" male, screw type coupler and carrying case.

HU-EP-430H 12 Ton, 'U' Type Remote Head, 1-3/16" Jaw Opening



**Huskie HU-EP-510H 12 ton C-type Remote Hydraulic Crimping Head** has a rubber boot cover and a 1.65" jaw opening. The remote head requires an external 10,000 psi pumping source. Accepts all "U" type dies, splices up to 600 MCM, and lugs up to 750 MCM. Comes complete with 3/8" male, screw type coupler and carrying case.



**HU-EP510HC**



HU-EP510HC 12 Ton, 'U' Type Remote Head, 1.65" Jaw Opening

**Huskie HU-EP-510HK 12 Ton Kearny Style Remote Hydraulic Crimping Head** has a rubber boot cover and a 1-1/2" jaw opening. The remote head requires an external 10,000 psi pumping source. Accepts all Kearny WH-2, PH-2, WH-3 type dies. Comes complete with 3/8" male, screw type coupler and carrying case.



**HU-EP-510HK**



HU-EP-510HK 12 Ton, Kearney Style Remote Head, 1-1/2" Jaw Opening

**Huskie HU-EP-610H 15 Ton C-type Remote Hydraulic Crimping Head** with a 2" jaw opening. The remote head requires an external 10,000 psi pumping source. Accepts all Burndy "P" Type and Huskie HT-61 Series dies used in the Y-46 Tools. When used with a Huskie PU-15 die adapter it will accept all "U" Type dies used with any 12 Ton tool. This tool is primarily used for cables above 750 MCM or in cases where additional tonnage is required to compress larger lugs, terminals, and sleeves on tension connections. It is almost always used on larger underground cables up to 1000 MCM. Comes complete with 3/8" male, screw type coupler and carrying case.



**HU-EP-610H**



HU-EP-610H 15 Ton, 'U' Type, Remote Head, 2" Jaw Opening

**Reliable RL-REL-46 15 Ton C-type Remote Hydraulic Crimping Head** with a 2" jaw opening. The 360° rotating remote head requires an external 10,000 psi pumping source. Accepts "P" style (Y-46) dies to easily crimp connector sizes up to 1250 MCM-CU. Also accepts "U" type (Y-35) dies with the use of a PU adapter.



**RL-REL-46**



RL-REL-46 15 Ton, 'U' Type, Remote Head, 2" Jaw Opening

# PRESSES



RL-REL-60SA

**Reliable RL-REL-60 Series 60 Ton Hydraulic Presses** are designed to compress sleeves and lugs on ACSR and ACAR transmission and distribution cables. Available with single or double acting hydraulic crimping tools. Portable for easy positioning and operable from any 10,000 psi pumping source. Accepts most 100 ton (shell type) dies, currently used with Alcoa, Burndy and Huskie 60 ton presses. Removable top. 3/8" screw-type couplers. Complete with tool stand and steel case.

RL-REL-60SA 60 Ton, Single Acting, Removable Top  
RL-REL-60DA 60 Ton, Double Acting, Removable Top



RL-REL-100SDA

**Reliable RL-REL-100SDA 100 Ton Hydraulic Press** is designed to compress sleeves and lugs on ACSR and ACAR transmission and distribution cables. Press is a 100 ton single/double-acting crimping tool. Operable with most single or double acting high pressure pumps with proper oil capacity. Portable for easy positioning and operable from any 10,000 psi pumping source. Accepts most 100 ton (shell type) dies, currently used with Alcoa, Burndy and Huskie 100 ton presses. Removable top. 3/8" screw-type couplers. Complete with tool stand and steel case.

RL-REL-100SDA 100 Ton, Single/Double Acting, Removable Top







**Huskie HU-EP-60 Series 60 Ton Hydraulic Presses** are designed to compress sleeves and lugs on ACSR and ACAR transmission and distribution cables. Ideal for substation construction. Requires an external 10000 psi pumping source. Accepts any shell type dies currently used with Alcoa or Burndy 60 Ton Presses. Available in single or double acting hydraulic advancing rams. Double acting tools have quicker return times and eliminate the possibility of the tool jamming. Complete with carrying case, removable die cap for easy connector positioning, tool stand, and screw type couplers.

HU-EP-60W 60 Ton, Single Acting  
HU-EP-60D 60 Ton, Double Acting



**HU-EP-60W**

**Huskie EP-100WC and EP-200WA 100 Ton and 200 Ton Hydraulic Presses** for full tension, transmission and substation connections and require an external 10,000 psi pumping source. The EP-100WC will accept shell type dies currently used with Alcoa 100 ton compression heads. Dies for 200 ton presses are considered special application and must be engineered to the connector manufacturers specifications. Consult factory for these dies. Both compression heads are double acting and designed to operate from Huskie Tools pump models R14EAD, HPG-4 or any 3/4 HP highpressure, double acting pump with the proper oil capacity. Double acting means hydraulically advancing the ram to build proper tonnage, then the hydraulic pressure is reversed to retract the ram. This will eliminate all possibilities of the connector hanging up or the tool jamming. The EP-200WA is the only 200 ton press on the market today and both are the lightest weight models in their class. Both models have removable die caps for easy connector positioning and 3/8" screw-type couplers.

HU-EP-100WB 100 Ton, Double Acting  
HU-EP-200WA 200 Ton, Double Acting



**HU-EP-100WB**

# HYDRAULIC PUMPS



**Reliable Electric Hydraulic Pump** is designed for use with single or double acting 10,000 psi high pressure remote tools. The pump features intermittent duty two stage piston style pumping system, complimented by a low pressure pump for rapid tool advance. The 5/8 hp universal electric motor will operate from any 115 volt AC power supply. The unit has a 3 quart oil reservoir. Operable with toggle switch or 8' remote hand control.

RL-REL-1915 Electric Hydraulic Pump,  
10,000 psi, 5/8 hp



RL-REL-1915



**Huskie Electric Hydraulic Pump** has a 1/2 Hp motor to produce 10,000 psi for use with high pressure remote hydraulic tools. Remote operated pump gives the operator complete control. Push buttons permit the user to advance and retract at will. The user is never committed to a full cycle, and can always back off at any time during the advance even under pressure. This feature increases efficiency because cuts and crimps can be adjusted as necessary, simply by stopping the advance or retract mode. A 10-foot remote control cable provides both safety and convenience. The user can set up an operation and then move away from the work site before engaging the tool. An over-ride switch on the pump allows full control at the pump motor. The low amperage of this pump allows it to be used virtually anywhere. The pressure can be easily adjusted between 4,000 and 10,000 psi. Consult factory for proper adjusting procedure. NOTE: When using any of these high pressure tools, always use 10,000 psi rated non-conductive hose.

HU-R-14EF Electric Hydraulic Pump,  
10,000 psi, 1/2 hp



HU-R-14EF



# HYDRAULIC PUMP & INTENSIFIER



**Reliable Gasoline Hydraulic Pump** is a single/double acting 10,000 psi high pressure pump which features a manual lever operation two stage pumping system to ensure rapid tool advance for remote crimping or cutting tools. The unit has a 6 hp briggs/stratton OHV engine. The factory installed SA & DA couplers are ready to run your single or double acting crimping or cutting tools. High-pressure safety relief valve factory filled 2 gallon hydraulic fluid reservoir with sight glass. Tubular steel frame.

RL-REL-GB-10 Gasoline Hydraulic Pump,  
10,000 psi, 6 hp



RL-REL-GB-10

**Reliable Hydraulic Intensifier** features a single acting control system which provides a unique solution to your high pressure single acting tooling requirements. This system combines the power of a high pressure intensifier with the simplicity of a fixed position three way control valve. The intensifier/valve design allows return oil to bypass the intensifier and return directly to the tank (return) line, increasing tool speed and performance. The RL-REL-10-I-SA provides quick advance and retract for single acting spring return tools, without the need for additional high pressure hoses, couplers or an in-line control valve. 1,400-2,000 psi operating pressure. 4-7 gpm flow range.

RL-REL-10-I-SA Hydraulic Intensifier,  
10,000 psi



RL-REL-10-I-SA



# SUBMERSIBLE PUMPS



GR-42191

**Greenlee 2" Hydraulic Submersible Water Pump** has a lightweight all-aluminum body. The self-priming submersible pumps can be placed and operated quickly off of a variety of open and closed centered power sources. Lightweight design with carrying handle. High impact strainer housing. Up to 275 gpm. Can draw water down to depth of 1-3/4". Can run dry without damage. Operating pressure of 1000-2000 psi and flow range of 4-6 gpm.

GR-42191 Submersible Water Pump, 2" Discharge  
GR-42104 2" Cam Lock Coupling for Discharge Hose  
GR-41220 2" Diameter x 25" Discharge Hose Assembly



GR-42190

**Greenlee 2.5" Hydraulic Submersible Water Pump** has a heavy duty cast iron housing. The self-priming submersible pumps can be placed and operated quickly off of a variety of open and closed centered power sources. High impact strainer housing with carrying handle. Up to 400 gpm. Can draw water down to depth of 2". Can run dry without damage. Operating pressure of 1000-2000 psi and flow range of 4-6 gpm.

GR-42190 Submersible Water Pump, 2.5" Discharge  
GR-42105 2.5" Cam Lock Coupling for Discharge Hose  
GR-41219 2.5" Diameter x 25" Discharge Hose Assembly





**Greenlee 3" Hydraulic Submersible Trash Pump** has a heavy duty cast iron housing. The self-priming submersible pumps can be placed and operated quickly off of a variety of open and closed centered power sources. Compact design to easily fit into small areas. High impact strainer housing. Carry handle with lifting eye makes it easy to transport, move, lift, and lower. Passes up to 3" solids minimizing pump blockage from debris. Up to 500 gpm. Can run dry without damage. Locking coupler for discharge hose included. Operating pressure of 1000-2000 psi and flow range of 7-10 gpm.

GR-49334 Submersible Trash Pump, 3" Discharge  
GR-49499 3" Diameter x 25" Discharge Hose Assembly

**GR-49334**

**Greenlee 4" Hydraulic Submersible Trash Pump** has a heavy duty cast iron housing. The self-priming submersible pumps can be placed and operated quickly off of a variety of open and closed centered power sources. No clog, self-priming, abrasion resistant impeller pump. Carry handle makes it easy to transport. Passes up to 3" solids minimizing pump blockage from debris. Up to 900 gpm. Can run dry without damage. Locking coupler for discharge hose included. Operating pressure of 1000-2000 psi and flow range of 5-9 gpm.

GR-42192 Submersible Trash Pump, 4" Discharge  
GR-41189 4" Diameter x 25" Discharge Hose Assembly

**GR-42192**

# PUNCH & POLE PULLER



RL- REL-35T-PNC

**Reliable 35 Ton Hydraulic Steel Punch** was designed to punch through 1/2" aluminum, copper, and mild steel. The punched hole size is 1/16" larger than your bolt size. A stripper guide extends on either side of the ram to strip the material after punching. This portable hand-held unit will operate from any 10,000 psi hydraulic pumping source. Applications include punching of bus bars, tower iron, railing, I-beams, and truck frames. Punch Kit comes complete with four punch and die sets for 3/8", 1/2", 5/8", and 3/4" bolts, and steel carrying case.

RL- REL-35T-PNC 35 Ton, Punch Kit



GR-42239

**Greenlee Hydraulic Pole Puller** has a 56,000 lb. lift capacity at 2000 psi for heavy duty construction applications. Can be used in confined areas or out in the open. Comes complete with proof-certified 6' alloy chain. Requires a 4-15 gpm open or closed center hydraulic systems.

GR-42239 Greenlee Pole Puller





**Huskie 35 Ton Hydraulic Steel Punch** is designed to punch holes through 1/2" mild steel, aluminum and copper. The punched hole size is 1/16" larger than your bolt size. A stripper guide extends on either side of the ram to strip the material after punching. This hand-held unit will operate from any 10,000 psi hydraulic pumping source. Some uses include the punching of bus bars, tower iron, railing, I-beams and truck frames. Custom size punch and dies are available upon request. Oval and square sizes are also available. Consult factory for order information. The SH-270M and SH-270F come complete with four sets of punch and die sizes for 3/8", 1/2", 5/8" and 3/4" bolts and carrying case.

HU-SH-270M 35 Ton, Punch Kit

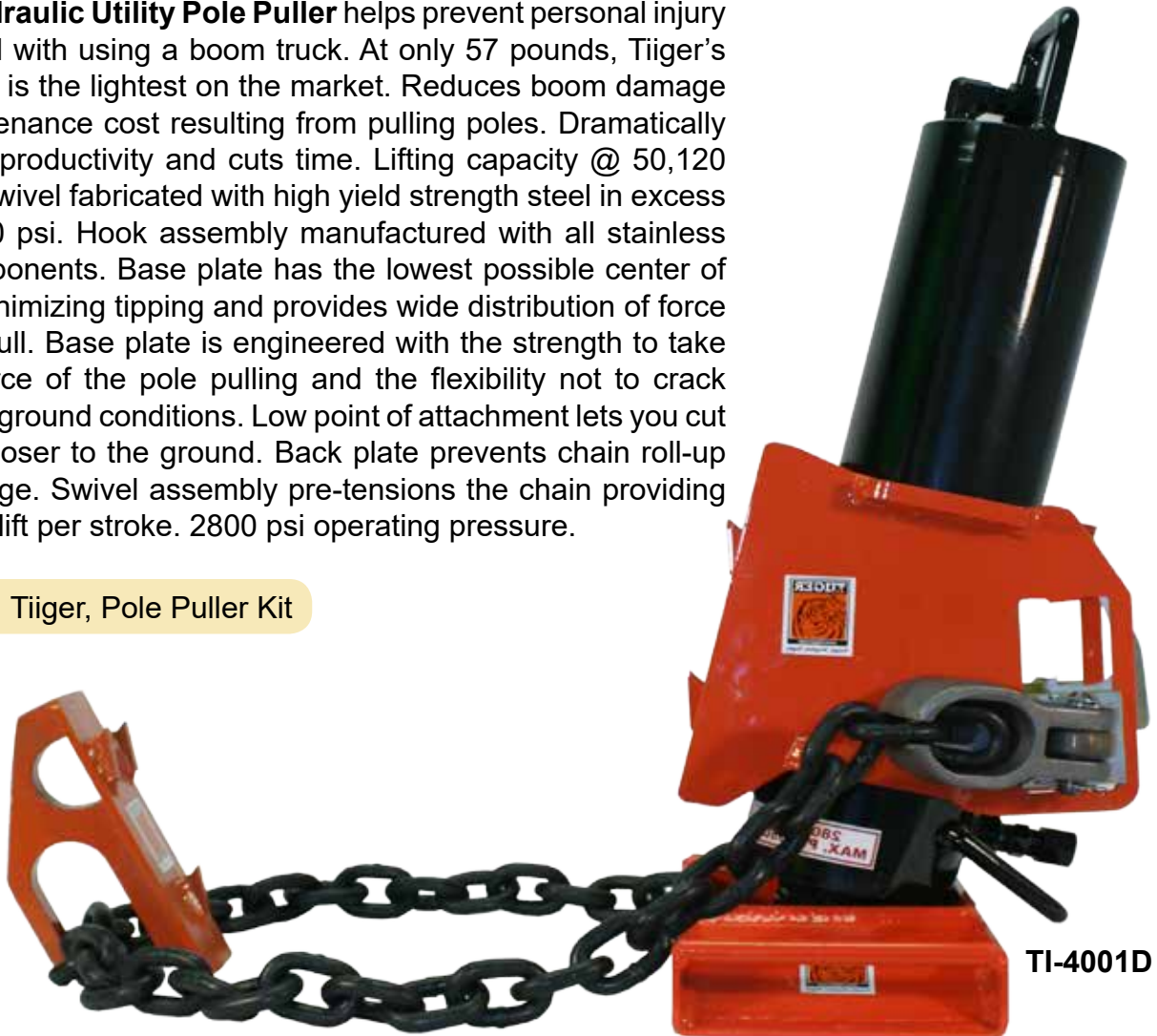


HU-SH-270M



**Tiiger Hydraulic Utility Pole Puller** helps prevent personal injury associated with using a boom truck. At only 57 pounds, Tiiger's pole puller is the lightest on the market. Reduces boom damage and maintenance cost resulting from pulling poles. Dramatically increases productivity and cuts time. Lifting capacity @ 50,120 pounds. Swivel fabricated with high yield strength steel in excess of 100,000 psi. Hook assembly manufactured with all stainless steel components. Base plate has the lowest possible center of gravity, minimizing tipping and provides wide distribution of force during a pull. Base plate is engineered with the strength to take the full force of the pole pulling and the flexibility not to crack under soft ground conditions. Low point of attachment lets you cut the pole closer to the ground. Back plate prevents chain roll-up and slippage. Swivel assembly pre-tensions the chain providing maximum lift per stroke. 2800 psi operating pressure.

TI-4001D Tiiger, Pole Puller Kit



TI-4001D

# LONG-REACH SAWS



**Greenlee Hydraulic Long-Reach Chain Saws** operate with

Super Spool selector control for use on open and closed center hydraulic systems. Operating pressure of 1000-2000 psi and a flow range of 5-8 gpm. Cuts hard to reach areas from the aerial basket or from the ground. Insulated fiberglass extension tubes, tested to meet OSHA Regulation 1910.269. Safety features include: two-step trigger guard, and fully covered sprocket guard. Anti-kickback chain and automatic chain oiler. Rugged high torque gear motor. 13" cutting capacity. Available in three lengths.



GR-43178 62.5" OAL  
GR-38568 75" OAL  
GR-43177 88.5" OAL



**Stanley Hydraulic Long-Reach Chain Saws** are ideal for use by right-of-way crews, utilities, parks departments and grounds-keepers. Lightweight, they feature fiberglass poles for convenient handling in tight spots and automatic chain oiling for long, reliable service. The SN-CS28 is designed for HTMA Type II circuits and has an optimum flow of 8 gpm/30 lpm. The SN-CS25 is ideal for HTMA Type I circuits commonly found on bucket trucks where hydraulic circuit flow is often limited to 4-6 gpm /15-23 lpm. For greater versatility, the Stanley "Dual Spool" permits the user to adjust the saw to operate from either open or closed-center circuits. The SN-CS25/CS28 use a low kickback, .325-pitch saw chain for added safety. The flow rating is easily changed by replacing the gear chamber and two gears. Both circuit flow systems are available in 75" and 90" lengths.



SN-CS25812 Type I, 75" OAL  
SN-CS25811 Type I, 90" OAL  
SN-CS28812 Type II, 75" OAL  
SN-CS28811 Type II, 90" OAL



**Reliable LR-SERIES Hydraulic Long-Reach Chain Saws** long reach are intended for safely cutting and trimming trees from the ground or an aerial bucket. The powerful hydraulic drive motor can easily make cuts up to 13 inches in diameter. Available 62.5, 75 and 88.5 inches, the operator may easily reach areas not possible with a standard chain saw. The dielectric property of the fiberglass extension tube will reduce the chance of electric shock when used near an energized electric line. Other features include a trigger guard to prevent accidental movement of the chain, a covered sprocket guard, and a rubber collar hand stop. A quick set spool can be turned 180 degrees for closed center/open center operations.



RL-LR-66.5 62.5" OAL  
RL-LR-75 75" OAL  
RL-LR-88.5 88.5" OAL







**Greenlee Hydraulic Circular Saw** is designed for high production utility line clearing and general tree clearing applications. Super Spool selector control for Open- and Closed-Center hydraulic systems. Safety features include: hand stop collar, trigger guard, two-step trigger and branch stop. Insulated fiberglass extension tube, tested to meet OSHA regulation 1910.269. Rugged gear motor angular head design makes flush cuts easier and directs chips away from the operator. 82" overall length and 9" diameter blade. Operating pressure of 1000-2000 psi and a flow range of 4-6 gpm. 5250 rpm At 6 gpm.



GR-43180 82" OAL

**Stanley Hydraulic Circular Saw** Stanley's CR27 circular saw is ideal for use by right-of-way crews, utilities, parks departments and grounds keepers. Blade brake reduces blade coast time to 2.5 - 5.0 seconds compared to 15 seconds or more for tools without blade brakes. Light in weight, it features a fiberglass pole for convenient handling in tight spots and a integral motor for long, reliable service. The integral motor and motor yoke create an angled head which gives the operator more visibility when cutting and allows a more natural work position to minimize fatigue. The new position of the motor in relation to the handle creates a blade forward position which reduces torque reaction to the operator for added safety, the blade is secured with a unique double cone-lock nut. The unique trigger guard adds still more safety. If the guard is removed the saw is deactivated. A "Dual Spool" feature permits the user to operate the saw from either open or closed center circuits. All saws are individually dielectric tested before leaving the factory. 79" overall Length and 9" diameter blade. Operating pressure of 1000-2000 psi and a flow range of 5-7 gpm.



SN-CR27891 79" OAL

**Reliable Hydraulic Circular Saw** is intended for safely trimming trees from the ground or an aerial bucket. With an overall length of 79", the operator may easily reach areas not possible with a standard chain saw. 9" Blade - Allows a 3.5 inch cutting depth. The offset head provides a flush cut, from a comfortable stance, reducing operator fatigue and strain. The powerful hydraulic drive motor can easily cut branches up to 3.5 inches in a single pass. The quick stop hydraulic system reduces blade coast time for increased safety. The dielectric property of the fiberglass extension tube will reduce the chance of electric shock. For use with open center or closed center systems.



RL-LR-CS-82 79" OAL

# PRUNER & UTILITY SAW



**Greenlee Hydraulic Utility Pruner** is designed for utility line clearing and selective pruning of shade trees with capacity up to 2". Insulated fiberglass extension tubes tested to meet OSHA 1910.269 regulations. For operation with open or closed center hydraulic systems. Operating pressure of 1000-2000 psi and a flow range of 4-6 gpm.

GR-48200 86" Handle, Open/Closed Center



GR-48200

**Greenlee Hydraulic Standard Utility Chain Saws** are ideal for large trimming applications and cut-up removal jobs. Chain and bar can be adjusted without removing sprocket cover. Handle position can be oriented to horizontal, or to 60 degree or 30 degree relative to bar and chain to user preference. 3/8" Pitch Chain. Sprocket can be removed without tools for easy saw cleaning. Safety features include: two-step trigger guard, high impact polymer front handle/shroud, wide lower handle protects hands and knuckles, chain catcher stops chain rotation. Anti-kickback chain and automatic chain oiler. Rugged high torque gear motor. Available with different chain sizes and cutting capacities. Super Spool selector control for use on open and closed center hydraulic systems. Operating pressure of 1000-2000 psi and a flow range of 4-8 gpm.



GR-49603

GR-49566 16" Bar/Cutting Capacity  
GR-49603 20" Bar/Cutting Capacity





## UTILITY SAWS

**Stanley Hydraulic Standard Utility Chain Saws** are ideal for bucket truck use because of their wide range of flow and pressure requirements. Used around the world by utility companies, professional tree trimmers and construction crews. Safety has been designed in - all models feature interlocking triggers, hand guards, low kickback bars and chains. Hydraulic power doesn't require a flywheel to smooth power pulses so there is no chain coasting when you release the trigger. Kickback is also reduced without the centrifugal force from the flywheel used on gas driven saws. Can be ordered in a wide variety of bar lengths. For extra flexibility, the "Dual Spool" models provide you with the ability to power the saws from either an open or closed-center hydraulic system using the same saw. The SN-CS05 series are ideal for applications where the hydraulic power source is limited to 5 gpm / 20 lpm. (HTMA Type I). The more powerful SN-CS06 series are designed for use on HTMA Type II circuits with a full 8 gpm / 30 lpm output. Operating pressure of 1000-2000 psi. Saws are available with 12", 15" and 20" cutting bars. Underwater models are available.

SN-CS05610 Type I, 12" Bar/Cutting Capacity  
SN-CS05620 Type I, 15" Bar/Cutting Capacity  
SN-CS06610 Type II, 12" Bar/Cutting Capacity  
SN-CS06620 Type II, 20" Bar/Cutting Capacity  
SN-CS06630 Type II, 15" Bar/Cutting Capacity



SN-CS06620



# TAMPS



**Greenlee H4802 Series Hydraulic Pole Tampers** make quick work of setting poles, asphalt patching, and general construction backfill compacting. Operate for use on open and closed center hydraulic systems. Operating pressure of 1000-2000 psi and flow range of 4-6 gpm. 1,160 blows per minute at 5 gpm. Patented design incorporates three moving parts for low maintenance. Standard with kidney-shaped tamper foot. Tamper is available with valve on tube, valve on end of hose, and without on/off valve.

GR-42202 60" Without Valve  
GR-42198 60" Hose End Valve  
GR-42201 60" Valve On Tube



GR-42198





**Reliable TMP Series Hydraulic Pole Tampers** are designed for setting poles, patching asphalt and compacting general construction backfill. Operating pressure of 1000-2000 psi and flow range of 4-6 gpm. 1,160 blows per minute at 5 gpm.

RL-REL-TMP60 60" Without Valve  
RL-REL-TMP60V 60" Hose End Valve  
RL-REL-TMP72 72" Valve On Tube



RL-REL-TMP60V

# TAMPS



**Stanley TA54 Series Hydraulic Pole Tampers** are ideal for soil compaction around utility poles, sign and fence posts. Operate for use on open and closed center hydraulic systems. Operating pressure of 1000-2000 psi and flow range of 3-9 gpm. 1,600 blows per minute with 2-1/2" stroke.

SN-TA54603 66" Without Valve  
SN-TA54603A 66" Hose End Valve  
SN-TA54103 71" Valve On Tube



SN-TA54603A





**Burndy Hydraulic Impact Wrench/Drill** is designed with a dual action spool for use on both open or closed center hydraulic systems. Operating pressure of 1000-2000 psi. The impact delivers 550 ft/lbs. of torque at 4-12 gpm. 7/16" tri ball quick change chuck accommodates standard 7/16" drive bits and accessories.

BN-HIW716MAG 1/2" Impact Wrench,  
7/16" Hex Quick-Change Chuck



BN-HIW716MAG

**Reliable's 425 Series Hydraulic Impact Wrench/Drill** is designed with an easy selector for use on both open or closed center hydraulic systems. Operating pressure of 1000-2000 psi. The impact delivers 375 ft/lbs. of torque at 6 gpm, making it ideal for utility pole construction or tightening lag bolts with ease. 7/16" quick change chuck is included for your convenience. It's lightweight (just 6.3 lbs.), makes it the ideal tool for use on utility pole construction.

RL-REL-425C 1/2" Impact Wrench,  
7/16" Hex Quick-Change Chuck



RL-REL-425C

# WRENCHES & DRILLS



**Greenlee H8508 Series Hydraulic Impact Wrench/ Drill** operates with Super Spool selector control for use on open and closed center hydraulic systems. Operating pressure of 1000-2500 psi with internal control prevents over speeding and allows flows up to 12 gpm. Well balanced heat insulated handle ergonomically positioned for comfort. One piece impact housing casting provide longlife. Button to switch between forward and reverse rotation. High torque of drilling salt-cured and creosoted poles. Twin hammer impact mechanism for high performance and reliability. 400 ft./lb. @ 8 gpm. Available with adjustable variable torque control which allows the torque to be adjusted from 80-400 ft./lb.



**GR-12682**

GR-12682 1/2" Impact Wrench, 7/16" Hex Quick-Change Chuck  
GR-12683 1/2" Impact Wrench, 7/16" Hex Quick-Change Chuck,  
w/ Variable Torque Control



**Stanley ID07 Hydraulic Impact Wrench/Drill** features swing-hammer mechanism. Operates on open and closed center hydraulic systems with built-in reverse check. Operating pressure of 1000-2000 psi and allows flows up to 12 gpm. Reversible large trigger will allow feathering on/off. 500 ft./lbs. of torque. 7/16 quick change chuck or 1/2 inch square drive.



**SN-ID07810**

SN-ID07810 1/2" Impact Wrench, 7/16" Hex Quick-Change







# WRENCHES & DRILLS



GR-00373

**Greenlee High Torque Hydraulic Impact Wrench/Drills** are designed with cast motor enclosures that better protect the impact mechanism operation versus competing models with stamped steel enclosure. Fast and easy change between open center systems and closed center systems with no disassembly required. Built-in hydraulic check valve to eliminate damage from an improperly connected tool. Temperature resistant replaceable polymer grip designed to dissipate heat from the cast handle. Increased service life with the addition of back-up rings and larger O-rings. Large and strong lifting eye for easy and secure storage. Longer and wider trigger provides improved control with insulated gloves. Higher breaking torque in reverse to ensure you can remove tightened bolts. Available with discrete position torque adjustment control with 3 positions and quick change access on the variable torque model. 5 - 8 GPM optimum flow range. 1000 - 2500 psi operating pressure.

GR-00373 1/2" High Torque Impact Wrench, 7/16" Hex Quick-Change Chuck  
GR-00372 1/2" High Torque Impact Wrench, 7/16" Hex Quick-Change Chuck, w/ Variable Torque Control



GR-42309

**Greenlee HID6506 Hydraulic Rotary Impact Hammer Drill** operates with Super Spool for use on open and closed center hydraulic systems. Supports speeds up to 5,400 bpm, generating 13% more blows per minute to help you get the job done quicker. Adjustable flow control prevents overspeeding and allows precise control of drilling speed. Reversible operation. Selection for drill or hammer/ drill modes. Hammer drill in concrete, brick, rock, or drill in wood or steel with auxiliary chuck. Rugged gear motor built-in slip clutch to guard against over-torque. Depth gauge and auxiliary handle are removable. SDS Plus Bit Shanks (Chuck). 3400-4800 bpm (blows per minute) @ 6.5 gpm.

GR-42309 Hydraulic Rotary Impact Hammer Drill





**Stanley HD08 Hydraulic Rotary Impact Hammer Drill** is ideal for just about any drilling job whether in rock, concrete, masonry, wood or metal. The powerful, high rate, hammer function makes it easy to drill in rock, concrete, masonry and other like materials. For drilling in materials such as wood and metal, the hammer function can be turned off. The sturdy, light-weight construction of the HD08 features a D-handle and assist handle that make it easier to maneuver than a pistol-grip tool. The HD08 comes standard with a chuck that accepts SDS Plus bits. A geared drill chuck and adapter are available for use with common wood auger bits or twist drills. The HD08 will accept other common accessories that have the standard SDS Plus shank. A depth gauge attachment is standard. A built-in flow control allows use of the HD08 on hydraulic circuits having 3-9 gpm/11-34 lpm flow. The unique system selector valve allows the HD08 to be used on open-center or closed-center hydraulic systems. Rotation Speed at 6 gpm 1175 rpm. Blows per Minute 4,500 at 6 gpm. Operating Pressure: 750-2000 psi. Flow Range: 3-9 gpm.

SN-HD01531 Hydraulic Rotary Impact Hammer Drill



SN-HD01531



# IMPACT AUGER BITS



**Burndy Dominator Hydraulic Impact Auger Bits** were developed to drill through extremely hard wooden utility poles. Bits feature an aggressive lead screw and flared retraction lip to assist with backing out of the power pole. Polished and coated with an industrial non-stick material. 7/16 inch hex shank to fit impact wrenches. Available in 5/16"-1-1/2" Diameters and 18" & 24" lengths.

BN-LPHTBIT111618D 11/16" X 18" (3/4" Hole)  
BN-LPHTBIT131618D 13/16" X 18" (7/8" Hole)  
BN-LPHTBIT151618D 15/16" X 18" (1" Hole)



**Greenlee Nail Eater Hydraulic Impact Auger Bits** quickly bore through creosoted and salt-treated utility poles. Resists wear, eats through nails and staples. Self-feeding screw point draws the bit through the wood. 7/16 inch hex shank to fit impact wrenches. Available in 18 and 24 inch lengths.

GR-37868 9/16" X 18" (5/8" Hole)  
GR-37869 11/16" X 18" (3/4" Hole)  
GR-11097 11/16" X 24" (3/4" Hole)  
GR-37870 13/16" X 18" (7/8" Hole)  
GR-11098 13/16" X 24" (7/8" Hole)  
GR-37871 15/16" X 18" (1" Hole)  
GR-11099 15/16" X 24" (1" Hole)



**Irwin Hydraulic Impact Auger Bits** have an extra-long twist which is ideal for boring large poles and construction timbers. Hex Shank design is for use with impact drills. Full-length heat treated bits can be re-sharpened.

IR-47909 9/16" X 18" (5/8" Hole)  
IR-47911 11/16" X 18" (3/4" Hole)  
IR-47913 13/16" X 18" (7/8" Hole)  
IR-47915 15/16" X 18" (1" Hole)





# IMPACT ADAPTERS & EXTENSIONS



**SafetyTest offers a variety of Hydraulic Impact Wrench Adapters.** The impact adapters have a heavy duty 7/16" hex shank on one end and a 1/2" square drive on the other end. The 1/2" square drive incorporates a pin locking system to prevent extensions or sockets from unintentionally falling off.

IR-93749	Irwin Impact Wrench Adapter; 1/2" Sq. Drive X 7/16" Hex Shank
PT-A3011	Stanley Proto Impact Wrench Adapter; 1/2" Sq. Drive X 7/16" Hex Shank
RL-WJ-1137-P	Reliable Impact Wrench Adapter; 1/2" Sq. Drive X 7/16" Hex Shank
GR-49314	Greenlee Impact Wrench Adapter; 1/2" Sq. Drive X 7/16" Hex Shank

**SafetyTest**



IR-93749



PT-A3011



RL-WJ-1137-P



GR-49314

**Stanley Proto Locking Hydraulic Impact Extensions** incorporate the Torque-Plus wrenching system which allows for 15% more torque to be applied. Manufactured from heat treated alloy steel. Patented locking feature locks sockets to the extension with exceptional force. Solid one piece design prevents the locking components from becoming loose or disengaged. Knurled shank provides a non-slip grip when hand-turning the extension.

PT-J7503	3" Extension, 1/2" Square Drive
PT-J7505	5" Extension, 1/2" Square Drive
PT-J7510	10" Extension, 1/2" Square Drive

PT-J7505



**PROTO**

PT-J7503



# IMPACT SOCKETS



**Stanley Proto Hydraulic Impact Sockets and Adapters** incorporate the Torque-Plus wrenching system. The high performance design allows the socket to contact the fastener away from the corner while also dispensing stress over a larger area. Torque-Plus allows for 15% more torque to be applied. Manufactured from heat treated alloy steel.

PT-J7312H	1/2" Drive X 3/8", 6 pt., 3 1/4" OAL
PT-J7314H	1/2" Drive X 7/16" 6 pt., 3 1/4" OAL
PT-J7316H	1/2" Drive X 1/2" 6 pt., 3 1/4" OAL
PT-J7318H	1/2" Drive X 9/16" 6 pt., 3 1/4" OAL
PT-J7320H	1/2" Drive X 5/8" 6 pt., 3 1/4" OAL
PT-J7322H	1/2" Drive X 11/16" 6 pt., 3 1/4" OAL
PT-J7324H	1/2" Drive X 3/4" 6 pt., 3 1/4" OAL
PT-J7326H	1/2" Drive X 13/16" 6 pt., 3 1/4" OAL
PT-J7328H	1/2" Drive X 7/8" 6 pt., 3 1/2" OAL
PT-J7330H	1/2" Drive X 15/16" 6 pt., 3 1/2" OAL
PT-J7332H	1/2" Drive X 1" 6 pt., 3 1/2" OAL
PT-J7334H	1/2" Drive X 1-1/16" 6 pt., 3 1/2" OAL
PT-J7336H	1/2" Drive X 1-1/8" 6 pt., 3 1/2" OAL
PT-J7338H	1/2" Drive X 1-3/16" 6 pt., 3 1/2" OAL
PT-J7340H	1/2" Drive X 1-1/4" 6 pt., 3 1/2" OAL
PT-J7342H	1/2" Drive X 1-5/16" 6 pt., 3 1/2" OAL
PT-J7344H	1/2" Drive X 1-3/8" 6 pt., 3 1/2" OAL
PT-J7346H	1/2" Drive X 1-7/16" 6 pt., 3 1/2" OAL
PT-J7348H	1/2" Drive X 1-1/2" 6 pt., 3 1/2" OAL
PT-J7350H	1/2" Drive X 1-9/16" 6 pt., 3 1/2" OAL

**STANLEY**  
**PROTO**



PT-J7312S 1/2" Drive X 3/8" 8 pt., 3 1/4" OAL  
 PT-J7314S 1/2" Drive X 7/16" 8 pt., 3 1/4" OAL  
 PT-J7316S 1/2" Drive X 1/2" 8 pt., 3 1/4" OAL  
 PT-J7318S 1/2" Drive X 9/16" 8 pt., 3 1/4" OAL  
 PT-J7320S 1/2" Drive X 5/8" 8 pt., 3 1/4" OAL  
 PT-J7322S 1/2" Drive X 11/16" 8 pt., 3 1/4" OAL  
 PT-J7324S 1/2" Drive X 3/4" 8 pt., 3 1/4" OAL  
 PT-J7326S 1/2" Drive X 13/16" 8 pt., 3 1/4" OAL  
 PT-J7328S 1/2" Drive X 7/8" 8 pt., 3 1/2" OAL  
 PT-J7330S 1/2" Drive X 15/16" 8 pt., 3 1/2" OAL  
 PT-J7332S 1/2" Drive X 1" 8 pt., 3 1/2" OAL

**PROTO**



PT-J7312 1/2" Drive X 3/8" 12 pt., 3 1/4" OAL  
 PT-J7314 1/2" Drive X 7/16" 12 pt., 3 1/4" OAL  
 PT-J7316 1/2" Drive X 1/2" 12 pt., 3 1/4" OAL  
 PT-J7318 1/2" Drive X 9/16" 12 pt., 3 1/4" OAL  
 PT-J7320 1/2" Drive X 5/8" 12 pt., 3 1/4" OAL  
 PT-J7322 1/2" Drive X 11/16" 12 pt., 3 1/4" OAL  
 PT-J7324 1/2" Drive X 3/4" 12 pt., 3 1/4" OAL  
 PT-J7326 1/2" Drive X 13/16" 12 pt., 3 1/4" OAL  
 PT-J7328 1/2" Drive X 7/8" 12 pt., 3 1/2" OAL  
 PT-J7330 1/2" Drive X 15/16" 12 pt., 3 1/2" OAL  
 PT-J7332 1/2" Drive X 1" 12 pt., 3 1/2" OAL  
 PT-J7334 1/2" Drive X 1-1/16" 12 pt., 3 1/2" OAL  
 PT-J7336 1/2" Drive X 1-1/8" 12 pt., 3 1/2" OAL  
 PT-J7338 1/2" Drive X 1-3/16" 12 pt., 3 1/2" OAL  
 PT-J7340 1/2" Drive X 1-1/4" 12 pt., 3 1/2" OAL  
 PT-J7342 1/2" Drive X 1-5/16" 12 pt., 3 1/2" OAL  
 PT-J7344 1/2" Drive X 1-3/8" 12 pt., 3 1/2" OAL  
 PT-J7346 1/2" Drive X 1-7/16" 12 pt., 3 1/2" OAL  
 PT-J7348 1/2" Drive X 1-1/2" 12 pt., 3 1/2" OAL

**PROTO**



# IMPACT UTILITY SOCKETS



**SafetyTest Hydraulic Impact Utility Sockets** have a double square opening eliminating the use of two sockets. The Utility Sockets will fit hardware which is most common on utility poles, lag bolts, 'C' clamps, and suspension bolts.

HY-Z-081315S5 1/2" Square Drive, Double Square 13/16 x 15/16"  
HY-Z-081618S5 1/2" Square Drive, Double Square 1 x 1 1/8"

**SafetyTest**



HY-Z-081315S5

**Klein 4-in-1 Nut Runner, Hydraulic Impact Socket** is available in a Distribution and Transmission version. The 7-3/4" distribution nut runner features three square socket sizes: 3/4" (also works on 13/16"), 1" and 1-1/8". The 11" transmission version nut runner features three square socket sizes: 1-1/8", 1-5/16" and 1-1/2". 7/16" hex quick-change adapter included with each version. Fine tuned ball detent provides improved retention, minimizing drops.

KL-NRHD Nut Runner; Distribution, 3/4", 13/16", 1", & 1-1/8"  
KL-NRHDA NR Adapter, Distribution  
KL-NRHD2 Nut Runner; Transmission, 1-1/8", 1-5/16" & 1-1/2"  
KL-NHRDA2 NR Adapter; Transmission

**KLEIN TOOLS**  
For Professionals... Since 1857™



KL-NRHD



KL-NRHDA





# IMPACT UTILITY SOCKETS



**Greenlee NR1 Nut Runner Hydraulic Impact Socket** is a four in one socket tool. The Nut Runner has four common square nut sizes designed for distribution line work. The deep well accepts up to 6" in excess bolt length. A 7/16" hex-quick change adapter is included.

GR-45798 NR1 (Distribution), 3/4", 13/16", 1", & 1-1/8"  
GR-49782 Adapter, NR1 (Distribution)

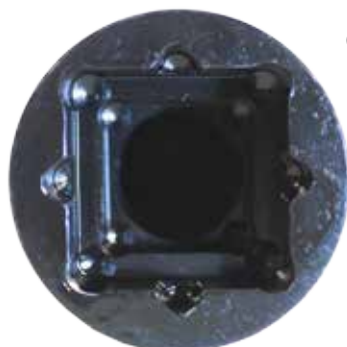


GR-49782



**Greenlee NR2 Nut Runner Hydraulic Impact Socket** is a three in one socket tool. The Nut Runner has three common square nut sizes designed transmission construction. The deep well accepts up to 6" in excess bolt length. A 7/16" hex-quick change adapter is included.

GR-20920 NR2 (Transmission), 1", 1-1/8", 1-5/16"  
GR-21111 Adapter, NR2 (Transmission)



GR-21111



GR-20920  
(NR2)



# HOSE SETS & FITTINGS



GR-41615



GR-43270

**Hydraulic Swivel Adapters** allow hose assemblies to be applied directly to the tool without the use of quick-disconnect couplers.

GR-41615 3/8" NPSM X 9/16"-18 Straight Thread

GR-43270 3/8" NPSM X 3/4"-16 Straight Thread



GR-41777



GR-41778

**Hydraulic Quick Disconnect Couplers** provide an efficient system for quickly connecting or disconnecting hydraulic equipment. 3,000 psi maximum operating pressure.

GR-41777 Female w/ 3/8" Internal Thread

GR-41778 Female w/ 1/2" Internal Thread



GR-41779



GR-41780

**Hydraulic Quick Disconnect Couplers** provide an efficient system for quickly connecting or disconnecting hydraulic equipment. 3,000 psi maximum operating pressure.

GR-41779 Male w/ 1/2" Internal Thread

GR-41780 Male w/ 3/8" Internal Thread



GR-54924



GR-54925

**Hydraulic Quick Disconnect Couplers** provide an efficient system for quickly connecting or disconnecting hydraulic equipment. 3,000 psi maximum operating pressure.

GR-54924 Female w/ 9/16"-18 SAE O-Ring External Thread.

GR-54925 Female w/ 3/4"-16 SAE O-Ring External Thread.



GR-54922



GR-54923

**Hydraulic Quick Disconnect Couplers** provide an efficient system for quickly connecting or disconnecting hydraulic equipment. 3,000 psi maximum operating pressure.

GR-54922 Male w/ 9/16"-18 SAE O-Ring External Thread.

GR-54923 Male w/ 3/4"-16 SAE O-Ring External Thread.



# HOSE SETS & FITTINGS



**Goodyear SaFlex Hydraulic Hose Sets** are manufactured with certified nonconductive double rayon braid rubber. The low pressure hose sets have a working pressure of 2250 psi and tested to 75 Kava/ft. for five minutes. Complete with 3/8" NPTF male fittings and clear heat shrink rubber stress guards on each end.



RL-REL-2250-0-96-A 3/8" X 8' Orange Nonconductive  
 RL-REL-2250-0-120-A 3/8" X 10' Orange Nonconductive  
 RL-REL-2250-96-A 3/8" X 8' Red Nonconductive  
 RL-REL-2250-120-A 3/8" X 10' Red Nonconductive

**Premium Steel Wire Braid Reinforced Hydraulic Hose Assemblies** are ideal for non-energized hydraulic systems. Great choice for dirty or abrasive working conditions. Assembled with SAE 100 RIAT hose and 1/2" NPTF male fittings on both ends. The low pressure hose assemblies have a working pressure of 2000 psi.



GR-40284-25 1/2" X 25' Wire Braid, Conductive  
 GR-40284-50 1/2" X 50' Wire Braid, Conductive  
 GR-40284-75 1/2" X 75' Wire Braid, Conductive  
 GR-40284-100 1/2" X 100' Wire Braid, Conductive



**Reliable High Pressure Hydraulic Hose Sets** have a 10,000 psi (40,000 psi min. burst) rating and tested to meet the electrical conductivity requirements established in the utility market. Heavy Duty thermoplastic construction, certified non-conductive, assemblies available in any length, lightweight, wear resistant, and excellent weatherability. Heavy Duty hose guard provides greater hand and body protection. Safety orange jacket for greater operator awareness. Hoses are tested at 75kV/ft. The RL-3VE3 series is a 3/16" I.D. hose, standard in most double acting applications, and the RL-3VE4 series, which is 1/4" I.D., is more common in single acting applications.



RL-3VE3-180 3/16" I.D. X 15' Length  
 RL-3VE4-180 1/4" I.D. X 15' Length



**High Pressure Hydraulic Quick Disconnect Couplers** provide an efficient system for quickly connecting or disconnecting hydraulic equipment. 10,000 psi operating pressure.

RL-3050-3-231 HP Female w/ 3/8" Internal Thread  
 RL-3005-3 Dust Plug for Female Fitting  
 RL-3010-3 HP Male w/ 3/8" Internal Thread  
 RL-3009-3 Dust Cap for Male Fitting

RL-3005-3

RL-3009-3



RL-3050-3-

RL-3010-3





# BLOCKS



**SafetyTest Handline Block Assemblies** include a high dielectric nylon fiberglass block and sheave with swivel hook and safety snap, double locking snap hook, bronze alloy double eye handline hook, and 60', 80', 100' & 120' polypropylene rope lengths.



ST-HBA-60	60'
ST-HBA-80	80'
ST-HBA-100	100'
ST-HBA-120	120'
ST-HBA-150	150'
ST-HBA-200	200'



CO-7380300



**Fiberglass Hand Line Blocks** are constructed of high dielectric nylon fiberglass. The 3" nylon sheave can accommodate 5/8" dia. rope smoothly on the 1/2" dia. axel and swivel bearings. Side opening allows for easy access and removal of hand line. Hand Line Blocks have a safe working load of 1000 lbs.. Available with snap hook or meat hook.

CO-7380300 FBG Hand Line Block Side Opening, Snap Hook  
HA-3550-1 FBG Hand Line Block Side Opening, Meat Hook



CP-303B2PJ



**303 Series Aluminum Hand Line Blocks** are constructed of lightweight aluminum alloy. Free running 3" diameter sheave with a 5/8" line capacity. 1000 lb. safe working load (SWL). 3 to 1 breaking point safety factor. Available with snap hook or meat hook.

CP-303B2PJ 303 Series Hand Line Block, Snap Hook  
CP-303B2PM Hook





**404 Series Aluminum Hand Line Blocks** are constructed of lightweight aluminum alloy. Free running sheave with a 7/8" line capacity. 2500 lb. safe working load (SWL). 4 to 1 safety factor. Available with snap hook or meat hook.

CP-404B2PJ 404 Series Hand Line Block, Snap Hook

CP-404B2PM 404 Series Hand Line Block, Meat Hook



CP-404B2PJ

**Hasting Hand Line Hook** is constructed from manganese bronze. The hook has 2 large holes for attaching to the hand line. 1/2" capacity rope. 600 lb. working load.

HA-P10060 Hand Line Hook



HA-P10060

**Hand Line Double Locking Snap.**

ST-9652 Hand Line Double Locking Snap has 5/8" opening and a 5000 lb.. capacity.



ST-9652

# BLOCKS



**SafetyTest Transformer Block Assemblies** are used to assist in lifting and lowering transformers. Constructed with 4" Triple sheave hard wood shell blocks with loose swivel hook and latch. 1/2" polypropylene rope lengths. Available in 240' (40' poles), 300' (50' poles) and 360' (60' poles) rope lengths. The transformer block assemblies have a resultant working load limit of 1800 lbs.

ST-TBA-240 240'  
ST-TBA-300 300'  
ST-TBA-360 360'



ST-TBA

**Campbell Wood Shell Blocks** are constructed with 4" Triple sheave hard wood shell with loose swivel hook and latch. Available in single sheave (1000 lb. Working limit), double sheave (1400lb. Working limit) and triple sheave (1800lb. Working limit). Accommodates 1/2" diameter rope.

CO-7205434 Single Sheave  
CO-7206934 Double Sheave  
CO-7208534 Triple Sheave



CO-7208534



KL-1702-20N

**Klein Howe Wire Tool** is the perfect solution for sagging service connections quickly. The 7' strap is made of tough nylon webbing. The swivel hook shank is lengthened to reach under an insulator. All metal parts are galvanized. 500lb. Working Load Limit.

KL-1702-20N Howe Wire Tool





**Klein Service Block Assemblies** are light galvanized steel shell blocks with snubbing hooks to hold the load. Hooks are designed to fit under insulator and engage pin on cross arm. Aluminum sheaves have bronze bushings and accept 3/8" diameter rope. Available with standard snap hooks or guarded snap hooks (extended snap hook nose). 750lb. Maximum Safe Load.

KL-1802-30SSR Service Block Assembly; Standard Hooks and Swivel  
 KL-259 Swivel  
 KL-268 Swivel Anchor Hook  
 KL-267 Standard Block with Splice Eye Hook  
 Standard Block



KL-259



KL-267



KL-268



KL-1802-30SSR

**Klein Service Block Assemblies** are light galvanized steel shell blocks with snubbing hooks to hold the load. Hooks are designed to fit under insulator and engage pin on cross arm. Aluminum sheaves have bronze bushings and accept 3/8" diameter rope. Available with standard snap hooks or guarded snap hooks (extended snap hook nose). 750lb. Maximum Safe Load.

KL-H1802-30SSR Guarded Block Assembly; Guarded Hooks and Swivel  
 KL-259 Swivel Anchor Hook  
 KL-H268 Guarded Block with Splice Eye Hook  
 KL-H267 Guarded Block



KL-259



KL-H267



KL-H268



KL-H1802-30SSR

# BLOCKS



**“Big-Little” Stringing Blocks** are little in overall length and weight but big in sheave and load capacity. Designed for stringing overhead ground wires and use with transformer gin. Side opening for ease in placing in hoisting line. Safety locking pin permits easy opening, positive locking and is captive to blocks. . . no parts to drop or lose. Frame of high strength aluminum alloy, ribbed for extra strength and rigidity. Integral guard prevents wedging of lines. Sheaves mounted on anti-friction ball bearings are available with polished aluminum or urethane lined. Urethane lining recommended when wire rope hoisting lines are to be used. 3000 lb. maximum working load.



SH-9511-PG

SH-9511-PG Big-Little Stringing Block, Polished Groove Sheave  
SH-9511-U Big-Little Stringing Block, Urethane Lined Sheave

**Universal Distribution Stringing Blocks** are a light-weight and reliable solution which helps to maximize stringing distances while minimizing pulling tensions and reducing loads on stringing equipment. Positive locking handle (a secure spring-loaded latch and large-ID pull-loop) on the side-gate assembly for easy conductor clip-in and for hot-stick operations. The 7" sheaves are available with Polished-Groove Aluminum or Urethane Lining on Aluminum. 2,500 lb. maximum working load.

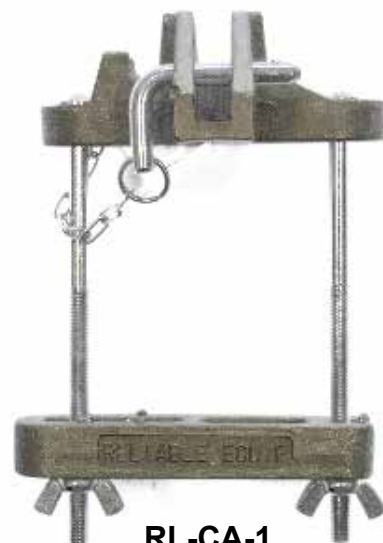


SH-XS-100B-PG

SH-XS-100B-PG Distribution Stringing Block, Polished Groove Sheave  
SH-XS-100B-U Distribution Stringing Block, Urethane Lined Sheave  
RL-CA-1 Cross Arm Bracket; 5-3/4" X 6-1/4" Cross Arm  
RL-UR-2B-YC Y-Clevis



RL-UR-2B-YC



RL-CA-1





**McKissick 418 Series Snatch Blocks** have forged alloy heat treated hooks. Forged steel swivel tees, yokes and shackles. Accommodates 5/8"-3/4" wire rope size. 8 Ton (16,000 lb.) working load. Furnished with bronze bushings. Opening feature permits insertion of rope while block is suspended from gin-pole. 8" sheave have exclusive bolt retaining spring to assure no lost bolts. Pressure lube fittings feature dual rated wireline sheaves. Fatigue rated, RFID EQUIPPED.

AS-108225 8 Ton (16,000 lb.) Working Load Limit, 8" Sheave, Spring Loaded Hook

AS-108225



**Skookum Series Wide Throat Rigging Blocks**, commonly referred to as a "Tommy Moore" block, is a true rigging block for loggers. Wide throat allows eyes and rigging to pass through. Very heavy-duty design with Timken roller bearings. Sheave made of Manganese for durability and long life span. 5:1 safety factor.

TL-R-8 8 Ton (16,000 lb.) Working Load Limit, 8"x 3" Sheave  
TL-R-10 9 Ton (18,000 lb.) Working Load Limit, 10"x 4" Sheave

TL-R-8



# GRIPS



**CF-LMG1000**

**Little Mule Bulldog and Parallel Grips** are rated for a variety of wire sizes and types, so fewer grip rotations are required. Grips open easily and have large handle eye openings to easily accept hooks and tackle blocks. Available with spring loaded gate to prevent the grip from falling off the wire and notched handle locking mechanism which locks grip in open position for placement on or removal from wire. Little Mule Grips have bulldog or parallel jaw configurations.



**CF-LMG4500**



**CF-LMG4501**

<b>CF-LMG1000</b>	Range: 0.04- 0.39", Max Load 1000 lbs. Bulldog Jaw
<b>CF-LMG2000</b>	Range: 0.10- 0.59", Max Load 2000 lbs. Bulldog Jaw
<b>CF-LMG4500</b>	Range: 0.18- 0.60", Max Load 5000 lbs. Parallel Jaw
<b>CF-LMG4600</b>	Range: 0.30- 0.80", Max Load 10000 lbs. Parallel Jaw
<b>CF-LMG4800</b>	Range: 0.70- 1.25", Max Load 12000 lbs. Parallel Jaw
<b>CF-LMG4700</b>	Range: 0.70- 1.25", Max Load 20000 lbs. Parallel Jaw
<b>CF-LMG4501</b>	Range: 0.18- 0.60", Max Load 5000 lbs. Parallel Jaw w/Gate & Locking
<b>CF-LMG4601</b>	Range: 0.30- 0.80", Max Load 10000 lbs. Parallel Jaw w/Gate & Locking
<b>CF-LMG4801</b>	Range: 0.70- 1.25", Max Load 12000 lbs. Parallel Jaw w/Gate & Locking
<b>CF-LMG4701</b>	Range: 0.70- 1.25", Max Load 20000 lbs. Parallel Jaw w/Gate & Locking



**KL-1613-30**

**Klein Chicago Grip for Bare Solid & Stranded** is a lightweight economical grip designed for working with solid and stranded bare wire from 0.08" (12 b&s) -0.2" (4 b&s). Single V groove jaw.

**KL-1613-30** Range: 0.08- 0.20", Max Load 1500 lbs.





**Klein Chicago Grips for ACSR & AAC** are designed with round jaws to provide maximum contact and gripping power to minimize conductor deformation. The round style jaw is available either smooth or knurled. These types of grips are recommended for use on bare aluminum, aluminum conductor steel reinforced (ACSR), all aluminum conductor (AAC), copper conductors and a wide range of cables. Also available with hot-line latch for placing a grip on cable with a hot-line stick. The three notches in the hot-line latch adjust the balance of the grip to better match the direction of the cable sag. \*Add H to end of part number if hot-line latch is desired.

KL-1656-20 Range: 0.23- 0.39", Max Load 4500 lbs.

KL-1656-30 Range: 0.32- 0.52", Max Load 4500 lbs.

KL-1656-40 Range: 0.53- 0.74", Max Load 8000 lbs.

KL-1656-50 Range: 0.79- 1.01", Max Load 8000 lbs.

KL-1656-60 Range: 0.86- 0.96", Max Load 8000 lbs.



KL-1656-30

**Klein Chicago Grips for aluminum conductors** have a light weight design for use in distribution type work. Grips have round shaped jaws to provide maximum contact with circumference of cable which makes it less likely to damage conductors.

KL-1678-40 Range: 1.08- 1.14", Max Load 5500 lbs.

KL-1678-50 Range: 1.14- 1.20", Max Load 5500 lbs.



KL-1678-50

**Klein Chicago Grips for weatherproof stranded and solid copper cable** are designed with a round inside jaw and notches in gripping jaw to provide firm grip on insulation. \*Note: Due to various types of weatherproof coatings, selection of proper grips is determined by outside of diameter cable.

KL-1611-20 Range: 0.20- 0.40", Max Load 4500 lbs.

KL-1611-30 Range: 0.31- 0.53", Max Load 4500 lbs.

KL-1611-40 Range: 0.53- 0.74", Max Load 8000 lbs.

KL-1611-50 Range: 0.74- 0.86", Max Load 8000 lbs.



KL-1611-30



# GRIPS



KL-1684-5F

**Klein Chicago Grips for EHS (Extra High Strength)** cables have a double "V" groove on both jaws which provide four-points of contact, reducing the chance of slipping and providing proper alignment of wire and cable. This family of grips is ideal for working with messenger, guy strand and conductors from 0.12" to 1".



- KL-1613-40 Range: 0.12- 0.37", Max Load 4500 lbs.
- KL-1684-5 Range: 0.21- 0.55", Max Load 8000 lbs.
- KL-1684-5F Range: 0.16- 0.55", Max Load 8000 lbs. w/File in Jaw
- KL-1628-18 Range: 0.75- 1", Max Load 15000 lbs.
- KL-1684-74 Range: 0.21- 0.55", Max Load 8000 lbs. w/Curved Jaw



KL-1659-50

**Klein Chicago Grips for PVC covered conductors** have serpentine jaws to allow insertion of insulated conductor through the jaws which reduces danger of slippage. This design prevents insulation damage.

- KL-1659-50 Range: 0.79- 1.01", Max Load 8000



KL-1684-5AT

**Klein Chicago Grips for Bell Systems** are equipped with chain, toggle and shackle. The KL-1684-5AT is identical to Bell system type "L" strand puller and the KL-1628-16AT is identical to Bell system type "H" strand puller.

- KL-1684-5AT Range: 0.21- 0.55", Max Load 8000 lbs.



KL-1604-20

**Klein Haven Grips (Pork Chops)** are designed for use when light, compact grip is desired and where conductor damage is not a factor. Gripping pressure of knurled jaw is applied to 1/4" of cable area. Some Haven grips have a swing latch to help hold cable in the jaw.

- KL-1604-10 Range: 0.06 (14 B&S) - 0.25" (2 B&S), Max Load 2500 lbs.
- KL-1604-20 Range: 0.12 (8 B&S) - 0.50" (steel strand), Max Load 5000 lbs.
- KL-1625-20 Range: 0.28 (1 B&S) - 0.75" (wire rope), Max Load 8000 lbs. w/Latch





# CUMALONGS & PULLING



**Cooper Power System Cumalongs** have an exclusive wedge-grip action which provides a positive, tight grip on the conductor for non-kinking in-line pulls. The bronze Cumalongs are easily installed and removed with a tie stick. When the tie stick is removed from the ring, the safety latch drops over the conductor slot to keep the Cumalong on the conductor. Available in right and left hand configurations which enable the lineman to always have the conductor slot facing him. \*Cumalongs are not intended for use with guy wire.

- CP-1833-2 Right Hand, Range: .128" (#8 sol.)- .563" (4/0 ACSR), Max Load 6000 lbs.
- CP-1833-3 Left Hand, Range: .128" (#8 sol.)- .563" (4/0 ACSR), Max Load 6000 lbs.
- CP-1833-4 Right Hand, Range: .258" (#2 sol.)- 1.030" (795 ACSR), Max Load 5500 lbs.
- CP-1833-5 Left Hand, Range: .258" (#2 sol.)- 1.030" (795 ACSR), Max Load 5500 lbs.
- CP-1833-22 Right Hand, Range: .563" (4/0 ACSR)- 1.126" (954 Str.), Max Load 5500 lbs.
- CP-1833-21 Left Hand, Range: .563" (4/0 ACSR)- 1.126" (954 Str.), Max Load 5500 lbs.



CP-1833-2

**Anchor Rod Pulling Eye** provides a large offset eye to accommodate 3 ton chain hoist hooks, and leaves the anchor eye free with plenty of clearance for attaching guying devices; formed wire grips. The pulling adapter bushing quickly adjusts to fit 1/2", 5/8", 3/4" or 1" anchor rods. By removing the adapter bushing, the pulling eye fits 1-1/4" rods. The pulling eye is inexpensive and easy to use. Designed for working loads to approximately 6000 lbs. (18,000 lbs.. ultimate strength).



BE-PE-1

BE-PE-1 Anchor Rod Pulling Eye

# GRIPS



**Slingco “MU” Type (Multi Weave) Wire Rope Grips** have a triple lattice weave construction which is ideal for heavy loads; the cable grips are color coded for ease of identification; primarily for pulling aluminum conductor.

SL-ZCS1710	Range: 0.25-0.49", Break Load 7000 lbs. Length: 31". Dark Green.
SL-ZCS1711	Range: 0.50-0.74", Break Load 10500 lbs. Length: 45". Brown.
SL-ZCS1712	Range: 0.75-0.99", Break Load 14100 lbs. Length: 43". Light Blue.
SL-ZCS1713	Range: 1.00-1.24", Break Load 25000 lbs. Length: 65". Gold.
SL-ZCS1714	Range: 1.25-1.49", Break Load 31000 lbs. Length: 59". Black.
SL-ZCS1715	Range: 1.50-1.74", Break Load 31000 lbs. Length: 82". Red.
SL-ZCS1716	Range: 1.75-2.24", Break Load 49000 lbs. Length: 82". Dark Blue.
SL-ZCS1750	Range: 2.00-2.49", Break Load 49000 lbs. Length: 72". Yellow.
SL-ZCS1751	Range: 2.50-2.99", Break Load 49000 lbs. Length: 72". Orange.
SL-ZCS1752	Range: 3.00-3.49", Break Load 49000 lbs. Length: 74". Aluminum.
SL-ZCS1753	Range: 3.50-3.99", Break Load 49000 lbs. Length: 76". Light Green.

**SL-ZCS1715**



**Slingco “R” Type (Revolving Eye) Wire Rope Grips** have a triple lattice weave construction and revolving eye. The revolving eye is an alternative to the flexible wire rope eye and is designed for heavy duty applications, e.g. pulling wire rope, ACSR conductors, bare conductor and ground wires. Cable grips are color coded for ease of identification. In addition, its steel forged revolving head is ideal for connecting to Slingco swivels and shackles. Warning: The Slingco “R” Type Rotating Eye Cable Grip does not revolve under load.



SL-ZCS2177	Range: 0.25-0.49", Break Load 7000 lbs. Length: 31". Eye Dia: 0.875". Dark Green.
SL-ZCS2178	Range: 0.50-0.74", Break Load 10500 lbs. Length: 45". Eye Dia: 1.00". Brown.
SL-ZCS2179	Range: 0.75-0.99", Break Load 14100 lbs. Length: 43". Eye Dia: 1.00". Light Blue.
SL-ZCS2180	Range: 1.00-1.24", Break Load 25000 lbs. Length: 65". Eye Dia: 1.375". Gold.
SL-ZCS2181	Range: 1.25-1.49", Break Load 31000 lbs. Length: 59". Eye Dia: 1.875". Black.
SL-ZCS2182	Range: 1.50-1.74", Break Load 31000 lbs. Length: 82". Eye Dia: 1.875". Red.
SL-ZCS2183	Range: 1.75-2.24", Break Load 49000 lbs. Length: 82". Eye Dia: 1.875". Dark Blue.
SL-ZCS2779	Range: 2.00-2.49", Break Load 49000 lbs. Length: 72". Eye Dia: 1.875". Yellow.
SL-ZCS2780	Range: 2.50-2.99", Break Load 49000 lbs. Length: 72". Eye Dia: 1.875". Orange.
SL-ZCS2781	Range: 3.00-3.49", Break Load 49000 lbs. Length: 74". Eye Dia: 1.875". Aluminum.
SL-ZCS2782	Range: 3.50-3.99", Break Load 49000 lbs. Length: 76". Eye Dia: 1.875". Light Green.



**SL-ZCS2181**



**Slingco "A" Type (High Strength) Wire Rope Grips** have a lattice weave construction and can be used for aluminum conductor or for pulling rope; color coded for ease of identification; Slingco high strength grips are the strongest cable grips we produced. Recommend using the Slingco when inserting cable or rope into "A" Type grips.



SL-ZCS1799	Conduct Dia: 0.25 - 0.40", Rope Dia: 0.25 - 0.65", Break Load 7000 lbs. Lgth: 40". Blk.
SL-ZCS3020	Conduct Dia: 0.25 - 0.40", Rope Dia: 0.30 - 0.40", Break Load 10,000 lbs. Lgth: 40.5". Ppl.
SL-ZCS1800	Conduct Dia: 0.40 - 0.63", Rope Dia: 0.50 - 0.90", Break Load 14,000 lbs. Lgth: 55". Dk grn.
SL-ZCS3522	Conduct Dia: 0.44 - 0.63", Rope Dia: 0.44 - 0.90", Break Load 20,000 lbs. Lgth: 123". Gray.
SL-ZCS1801	Conduct Dia: 0.63 - 0.88", Rope Dia: 0.75 - 1.10", Break Load 20,000 lbs. Lgth: 74". Red.
SL-ZCS1802	Conduct Dia: 0.88 - 1.13", Rope Dia: 1.00 - 1.50", Break Load 30,700 lbs. Lgth: 87". Dk blue.
SL-ZCS1803	Conduct Dia: 1.13 - 1.38", Rope Dia: 1.25 - 1.70", Break Load 47,000 lbs. Lgth: 112". Yellow.
SL-ZCS1804	Conduct Dia: 1.38 - 1.90", Rope Dia: 1.50 - 2.10", Break Load 67,000 lbs. Lgth: 121". Alum.

SL-ZCS1801



**Slingco "ST" Type (Single Eye/Twin Weave) Wire Rope Grips** have a double lattice weave construction and single eye. Double weave construction designed for medium to heavy pulling applications in underground installations.



SL-ZCS2511	Range: 0.50 - 0.62", Break Load 4,500 lbs. Length: 21".
SL-ZCS2512	Range: 0.62 - 0.75", Break Load 5,600 lbs. Length: 24".
SL-ZCS2513	Range: 0.75 - 1.00", Break Load 6,800 lbs. Length: 24".
SL-ZCS2514	Range: 1.00 - 1.50", Break Load 9,600 lbs. Length: 24".
SL-ZCS2515	Range: 1.50 - 2.00", Break Load 16,400 lbs. Length: 24".
SL-ZCS2516	Range: 2.00 - 2.50", Break Load 18,500 lbs. Length: 24".
SL-ZCS2517	Range: 2.50 - 3.00", Break Load 24,500 lbs. Length: 24".
SL-ZCS2518	Range: 3.00 - 3.50", Break Load 24,500 lbs. Length: 24".
SL-ZCS2519	Range: 3.50 - 4.00", Break Load 31,000 lbs. Length: 26".



SL-ZCS2511

# FEED TUBES & SWIVELS



**Slingco Feed Tubes** are recommended for inserting cable or rope into grips when high strength pulling will be performed.

SL-FTU1890	Diameter Range: 0.25 - 0.65", Tube Length: 28", Black.
SL-FTU1891	Diameter Range: 0.50 - 0.90", Tube Length: 40", Dark green.
SL-FTU1892	Diameter Range: 0.75 - 1.10", Tube Length: 52", Red.
SL-FTU1892	Diameter Range: 1.00 - 1.50", Tube Length: 67", Dark blue.
SL-FTU1893	Diameter Range: 1.25 - 1.70", Tube Length: 83", Yellow.
SL-FTU1894	Diameter Range: 1.50 - 2.10", Tube Length: 96", Aluminum.
SL-FTU1895	Diameter Range: 1.50 - 2.10", Tube Length: 96", Aluminum.



**SL-FTU1892**



**SL-ZSW2094**



**Slingco Swivels** are constructed from high grade stainless steel and are designed for underground and overhead applications. The swivels are designed to allow easy passage through sheaves with specified working load limits. **WARNING:** If the safe working load of the swivel is exceeded, the swivel shall be discarded. Underground applications have a 3:1 safety factor. Overhead applications have a 5:1 safety factor.

SL-ZSW2091	Safe Working Load; Underground: 2250 lbs.	Overhead: 1,350 lbs. 3-3/8" OAL
SL-ZSW2092	Safe Working Load; Underground: 3,500 lbs.	Overhead: 2,100 lbs. 4" OAL
SL-ZSW2093	Safe Working Load; Underground: 5,000 lbs.	Overhead: 3,000 lbs. 4 15/16" OAL
SL-ZSW2094	Safe Working Load; Underground: 7,000 lbs.	Overhead: 4,200 lbs. 5 3/16" OAL
SL-ZSW2096	Safe Working Load; Underground: 10,000 lbs.	Overhead: 6,000 lbs. 6 3/16" OAL
SL-ZSW2097	Safe Working Load; Underground: 15,000 lbs.	Overhead: 9,000 lbs. 7 5/16" OAL







**Conductor Clipping Hook** is used with handling supporting transmission and larger distribution conductor. Bright yellow teflon coating. 6500lb. Working Load Limit. Load Tested and Serialized.

TL-S22-771 NL Clipping Hook



TL-S22-771

**Deadend Pulling Hooks** aid in the installation of automatic compression type deadends. The high tensile, heated, treated steel hook is used to replace a rope sling to hold the deadend in line with the conductor.

RL-9055 11"  
RL-9062 14"



RE-9055

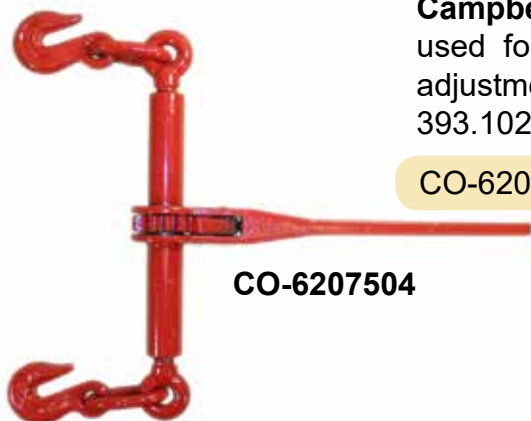
**Campbell Screw Pin Anchor Shackles** are constructed from drop-forged carbon steel. Working Load Limit (WLL) is permanently shown on every shackle with a 6 to 1 design factor.

CO-5410405 1/4" dia. w/ 15/32" opening, 1/2 Ton WWL  
CO-5410505 5/16" dia. w/ 17/32" opening, 3/4 Ton WWL  
CO-5410605 3/8" dia. w/ 21/32" opening, 1 Ton WWL  
CO-5410705 7/16" dia. w/ 23/32" opening, 1-1/2 Ton WWL  
CO-5410805 1/2" dia. w/ 13/16" opening, 2 Ton WWL  
CO-5411005 5/8" dia. w/ 1-1/16" opening, 3-1/4 Ton WWL  
CO-5411205 3/4" dia. w/ 1-1/4" opening, 4-3/4 Ton WWL  
CO-5411405 7/8" dia. w/ 1-7/16" opening, 6-1/2 Ton WWL  
CO-5411605 1" dia. w/ 1-11/16" opening, 8-1/2 Ton WWL  
CO-5411805 1-1/8" dia. w/ 1-13/16" opening, 9-1/2 Ton WWL  
CO-5412005 1-1/4" dia. w/ 2" opening, 12 Ton WWL  
CO-5412205 1-3/8" dia. w/ 2-1/4" opening, 13-1/2 Ton WWL  
CO-5412405 1-1/2" dia. w/ 2-3/8" opening, 17 Ton WWL  
CO-5412805 1-3/4" dia. w/ 2-7/8" opening, 25 Ton WWL  
CO-5413205 2" dia. w/ 3-1/4" opening, 35 Ton WWL  
CO-5414005 2-1/2" dia. w/ 4-1/8" opening, 55 Ton WWL

CO-5411405



# BINDERS



CO-6207504

**Campbell Ratchet Chain Binders** are used to tighten chain. Typically used for cargo securement. Ratchet type binders allow for easier adjustment of tension and greater range of take-up. Meets DOT 393.100-393.102

CO-6207504 For use with 5/16" & 3/8" Chain, 8" Take-Up, 5400lb. WLL



CO-0513665

**Campbell Binder Chain** are used for tie down applications typically in cargo transport. System 7 chain has a yellow cremated zinc electroplated chain for higher load-to-weight ratios. Binder chain comes with heat treated clevis grab hook on each end. Meets latest DOT regulations. Not for use with overhead lifting.

CO-0513660 System 7, 3/8" X 16', 6600lb. WLL

CO-0513665 System 7, 3/8" X 20', 6600lb. WLL



**SafetyTest Ratchet Nylon Strap Binder** is constructed with bright yellow nylon webbing with a orange wear tracer. Typically used for cargo securement. Ratchet type binders allow for easier adjustment of tension and greater range of take-up.

ST-3910-20-2 Ratchet Nylon Strap Binder

ST-3910-20-2



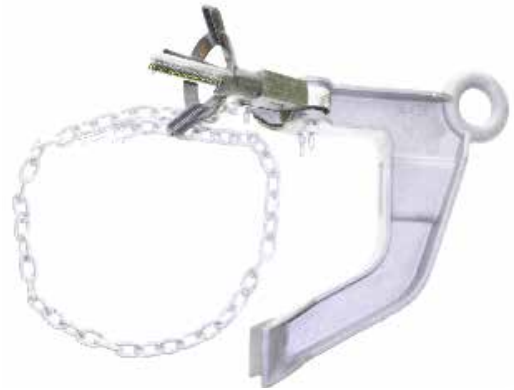
# TRANSFORMER GINS



**Hastings Small Metal Transformer Gin** is constructed from ductile iron with heavy duty chain binder. The unique gin design allows the operator to straddle the cross arm. The small gin fits easily over 3-3/4" X 4-3/4" cross arms. Working Load Limit of 1900 lbs.

HA-5742-21 Small Metal Transformer Gin

HA-5742-24 Large Metal Transformer Gin



HA-5742-24



HA-5742-21

**Hastings Insulated Transformer Gins** are constructed from high strength aluminum alloy brackets with a heavy-duty fiberglass shaft. The insulated gins have strong nylon ratchet strap binder systems.

HA-5800-1 24-1/4" Height, 8" From Pole, 1300lb. Working Load Limit

HA-5800-3 36" Height, 11-1/2" From Pole, 2500lb. Working Load

HA-5800-4 Limit



HA-5800-1

# HOISTS



CF-344DB



**Coffing Little Mule Linemen's Strap Hoists** are ideal for handling liveline material. Fiberglass handle and polyester webbing provide additional non-conductive protection. Positive load holding provides double interlocking pawls to ensure one pawl is engaged at all times. Dual pawl springs provide unsurpassed reliability. Hooks and gate latches swivel 360. Available with Standard Hook and Hot Stick Hook. Meets or exceeds ASME/ANSI requirements and B-30.21 standards. All units have 4:1 design factor and tested to 125% of rated load.

CF-300A	Cap: Sgl Line (1500 lbs.) Dbl Line (3000 lbs.) 15' Strap Lgth, 20" Hdl, Standard Hooks.
CF-300DA	Cap: Sgl Line (1500 lbs.) Dbl Line (3000 lbs.) 15' Strap Lgth, 20" Hdl, Hot Stick Hooks.
CF-344B	Cap: Sgl Line (2000 lbs.) Dbl Line (4000 lbs.) 12' Strap Lgth, 30" Hdl, Standard Hooks.
CF-344DB	Cap: Sgl Line (2000 lbs.) Dbl Line (4000 lbs.) 12' Strap Lgth, 30" Hdl, Hot Stick Hooks.

**Lug-All Strap Hoists** are designed for overhead maintenance and construction of energized lines. Breakable stress link signals the operator of an overload condition by breaking before the fiberglass handle and/or load carrying part of the hoist is overloaded. Double flanged drum prevents web strap from coming in contact with ratchet teeth. Fiberglass handle and polyester webbing provide additional non-conductive protection. Positive load holding provides double interlocking pawls to ensure one pawl is engaged at all times. Hooks and gate latches swivel 360 degrees. Available with Standard Hook and Hot Stick Hook.

LU-2A



LU-2A	Cap: Sgl Line (1000 lbs.) Dbl Line (2000 lbs.) 10' Strap Lgth, 30" Hdl, Standard Hooks.
LU-2B	Cap: Sgl Line (1000 lbs.) Dbl Line (2000 lbs.) 10' Strap Lgth, 32" Hdl, Hot Stick Rings & Latch Hooks.
LU-25A	Cap: Sgl Line (1500 lbs.) Dbl Line (3000 lbs.) 8' Strap Lgth, 20" Hdl, Standard Hooks.
LU-25B	Cap: Sgl Line (1500 lbs.) Dbl Line (3000 lbs.) 8' Strap Lgth, 22" Hdl, Hot Stick Rings & Latch Hooks.
LU-3A	Cap: Sgl Line (1500 lbs.) Dbl Line (3000 lbs.) 11'5" Strap Lgth, 30" Hdl, Standard Hooks.
LU-3B	Cap: Sgl Line (1500 lbs.) Dbl Line (3000 lbs.) 11'5" Strap Lgth, 32" Hdl, Hot Stick Rings & Latch Hooks.
LU-4A	Cap: Sgl Line (2000 lbs.) Dbl Line (4000 lbs.) 11'5" Strap Lgth, 30" Hdl, Standard Hooks.
LU-4B	Cap: Sgl Line (2000 lbs.) Dbl Line (4000 lbs.) 11'5" Strap Lgth, 30" Hdl, Hot Stick Rings & Latch Hooks.





**Lincoln Strap Hoists** were the first web strap design to enter the electric utility industry in 1966. The open frame construction allows for easy inspection and cleaning. The interlocking pawl mechanism prevents slippage often found with traditional braking mechanisms. Patented breakable stress link alerts the operator to an overload condition and preventing failure of fiberglass handle. The double flanged drum prevents web strap from making contact with ratchet teeth. Individually tested to 125% of rated capacity. Meets or exceeds ANSI B30.21 specifications for manual lever operated hoists. Available with standard latch or hotstick hook systems.



- LC-2W10 Cap: Sgl Line (1000 lbs.) Dbl Line (2000 lbs.) Lift Dist. 9' Sgl/ 4.5' Dbl, 30" Hdl, Standard Hooks.
- LC-2W10B Cap: Sgl Line (1000 lbs.) Dbl Line (2000 lbs.) Lift Dist. 9' Sgl/ 4.5' Dbl, 30" Hdl, Hot Stick Hooks.
- LC-3W08 Cap: Sgl Line (1500 lbs.) Dbl Line (3000 lbs.) Lift Dist. 7' Sgl/ 3.5' Dbl, 30" Hdl, Standard Hooks.
- LC-3W08B Cap: Sgl Line (1500 lbs.) Dbl Line (3000 lbs.) Lift Dist. 7' Sgl/ 3.5' Dbl, 30" Hdl, Hot Stick Hooks.
- LC-4W12 Cap: Sgl Line (2000 lbs.) Dbl Line (4000 lbs.) Lift Dist. 10' Sgl/ 5' Dbl, 36" Hdl, Hot Stick Hooks.
- LC-4W12B Cap: Sgl Line (2000 lbs.) Dbl Line (4000 lbs.) Lift Dist. 10' Sgl/ 5' Dbl, 36" Hdl, Standard Hooks.

## Lincoln Hoist

**Chance Strap Hoists** are designed with special features, both 1-Ton and 2-Ton hoists offer a choice of two handle options for utility maintenance and construction. For rubber-glove work, select hoist with plastisol cap on handle end. For operation by hot-line tools, specify hoist with swivel-eye on handle end. All models have hot-stick rings on hooks and latches. Single strap of 1-Ton units reaches and lifts farther. 2-Ton units employ a sheave-mounted hook in a double-strap becket.

- CH-PSC3090323 Cap: Sgl Line (2000 lbs.) Lift Dist. 8' Sgl., 22" Hdl, Hot Stick Hooks.
- CH-PSC3120000 Cap: Dbl Line (4000 lbs.) Lift Dist. 6' Sgl., 36" Hdl, Hot Stick Hooks.



CH-PSC3090323

# HOISTS



CF-6000DA



**Coffing Little Mule 6000 Series Linemen's Strap Hoists** are ideal for handling liveline material. Fiberglass handle and polyester webbing provides additional non-conductive protection. The 6000 series has all of the same operational features as with the 300 series, with the addition of heavy duty mechanism allowing for the largest capacities available with any other strap hoist on the market. Hooks and gate latches swivel 360. Available with Standard Hook and Hot Stick hook. Meets or exceed ASME/ANSI requirements and B-30.21 standards. All units have 4:1 design factor and tested to 125% of rated load.

CF-6000A Capacity: 6000 lbs 12' Strap Lgth, 30" Hdl, Standard Hooks.

CF-6000DA Capacity: 6000 lbs. 12' Strap Lgth, 30" Hdl, Hot Stick Hooks.

CF-RA-20



**Coffing's Little Mule RA Series Link Chain Hoist** (dog chain) features body and 20.5" handle constructed of special lightweight aluminum alloy providing durability and resistance to corrosion. Reversible handle will operate from either side. The Free Chain feature allows for easy positioning and set-up. Open body construction allows easy inspection and maintenance of suspension hook assembly. Positive load holding provides double interlocking pawls to ensure one pawl is engaged at all times. Dual pawl springs provide unsurpassed reliability. 360 degree Swivel Hooks are equipped with safety latches for positive load engagements. Meets or exceeds ASME/ANSI requirements and B-30.21 Standards. All units have 4:1 design factor and tested to 125% of rated load.

CF-RA-15	Capacity: 1500lbs.	Lifting Dist.: 60".
CF-RA-15-2	Capacity: 3000lbs.	Lifting Dist.: 60".
CF-RA-20	Capacity: 2000lbs.	Lifting Dist.: 60".
CF-RA-30	Capacity: 3000lbs.	Lifting Dist.: 60".
CF-RA-30-2	Capacity: 6000lbs.	Lifting Dist.: 60".
CF-RA-30-3	Capacity: 9000lbs.	Lifting Dist.: 60".
CF-RA-30-4	Capacity: 12000lbs.	Lifting Dist.: 60".
CF-RA-40	Capacity: 4000lbs.	Lifting Dist.: 60".



**Coffing Little Mule G Series Roller Chain Hoist** (bicycle chain) features iron housing and heat treated components which will provide years of rugged use. Reversible handle will operate from either side. The Free Chain feature allows for easy positioning and set-up. Special Snap Hook and Link allows conversion of multiple chain units. Handle Stops prevent handle from spinning in case operator removes hand from handle during operation. 360 degree Swivel Hooks are equipped with safety latches for positive load engagements. Available with Single or Double-Locking Pawl models. Meets or exceeds ASME/ANSI requirements and B-30.21 Standards. All units have 4:1 design factor and tested to 125% of rated load.



CF-FG

CF-AG	Capacity: 1500 lbs.	Lifting Dist. 56.5"
CF-ATG	Capacity: 3000 lbs.	Lifting Dist. 57"
CF-FG	Capacity: 3000 lbs.	Lifting Dist. 56.5"
CF-FTG	Capacity: 6000 lbs.	Lifting Dist. 57"
CF-ZG-04.5	Capacity: 9000 lbs.	Lifting Dist. 53"
CF-ZG-06	Capacity: 12000 lbs.	Lifting Dist. 53"
CF-WG-09	Capacity: 18000 lbs.	Lifting Dist. 60"
CF-WG-11	Capacity: 22000 lbs.	Lifting Dist. 60"
CF-WG-13	Capacity: 26000 lbs.	Lifting Dist. 60"
CF-WG-15	Capacity: 30000 lbs.	Lifting Dist. 60"

**Chance Ratchet Lever Link Chain Hoist** are compact and portable. These linemen hoist easily operate in close clearance work spaces. Forged steel load hooks at both ends swivel 360° for easy attachment and to help maintain axial alignment during use. Two-way handle swings to either side and rounded stop at end helps keep hand on handle. Standard 5.5' lift.



CH-3011S

CH-C3090438	Capacity: 3/4 Ton (1500lbs.)
CH-3011S	Capacity: 1 Ton (2000lbs.)
CH-C3090439	Capacity: 1-1/2 Ton (3000lbs.)
CH-04012	Capacity: 2 Ton (4000lbs.)
CH-C3090440	Capacity: 3 Ton (6000lbs.)
CH-C3090441	Capacity: 4-1/2 Ton (9000lbs.)
CH-C3090442	Capacity: 6 Ton (12000lbs.)



# HOISTS & ROPE



RL-REL--CH1000

**Electric Capstan Hoists** are designed to simplify heavy tasks for overhead and underground lifting and pulling applications. The 1000lb. Capacity workhorse is ideal for raising transformers, hoisting heavy insulators, stringing and tensioning, setting utility poles and pulling underground cable. 115 Volt AC. 40ft./min. rope speed @1000lb. load. Remote foot control switch included. Available options: Steel Storage Case, Adjustable Chain Universal Bracket for pole mounting and Hitch Mounted Bracket.

RL-REL--CH1000	1000lb. Capacity, Electric
RL-REL--CH1000BX	Steel Storage Box
RL-CH-BRACKET	Universal Chain Bracket
RL-H-MOUNT	Hitch Mounted Bracket
RL-C-FS-1	Remote Foot Control

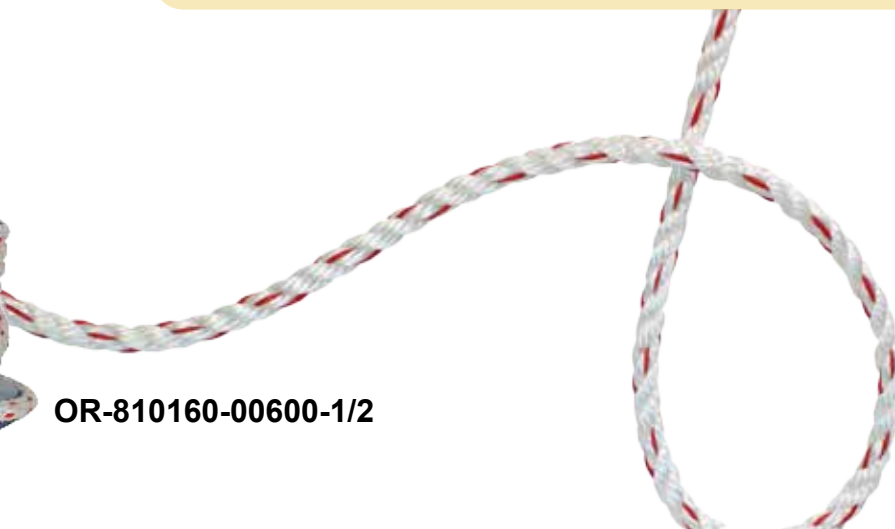


**Orion POLY PLUS™ PREMIUM 3-Strand Twisted Combination Rope** with its distinctive two red tracers is the most well known combination rope. A firm lay poly-dac with high tenacity polyester wrapped over a polyolefin core providing good abrasion resistance and strength. Custom lengths available upon request.



OR-810160-00600-1/2

OR-810120-00600-3/8	Ave break strength 3375 lbs
OR-810160-00600-1/2	Ave break strength 5500 lbs
OR-810200-00600-5/8	Ave break strength 9235 lbs
OR-810240-00600-3/4	Ave break strength 12,125 lbs







**Tulsa Power Reel Things** give you more lift with higher load ratings. Load rating is stamped on the tool for convenience. The Reel Thing offers a wide range of reel weights. The RT-20 and RT-40 models allow you to safely flip a reel from rolling to non-rolling position. The Reel Thing is economical, easy to use and works on a swivel. The Reel Thing can cut cost in the field by allowing one man to do the job instead of three or four. In the warehouse one man can lift, stack and spin heavy reels for payoff operations. The Reel Thing cuts time laying underground cable. Just suspend the reel over the trench and go. The Reel Thing is light, and you can carry it in one hand. Any lifting equipment can become a de-reeling machine with the Reel Thing.

RP-RT-20 Arbor Size: 2" Min. 4" Max., 3000 WWL  
 RP-RT-40 Arbor Size: 3" Min. 6" Max., 4500 WWL  
 RP-RT-60 Arbor Size: 2" Min. 6" Max., 12000 WWL

RP-RT-20



**Strand and Wire Dispenser** handles full coils with ease while storing partially used ones safely. Raise the pivoted swing-away arm, drop in the coil of strand, lower the arm and you are ready to cut the bands and feed strand. No loose parts to drop and lose, no unneeded metal bands with this sturdy tool. A time and labor saver.

BU-5150 6" Diameter, 30"Width  
 BU-51501 8" Diameter, 36"Width

BU-5150

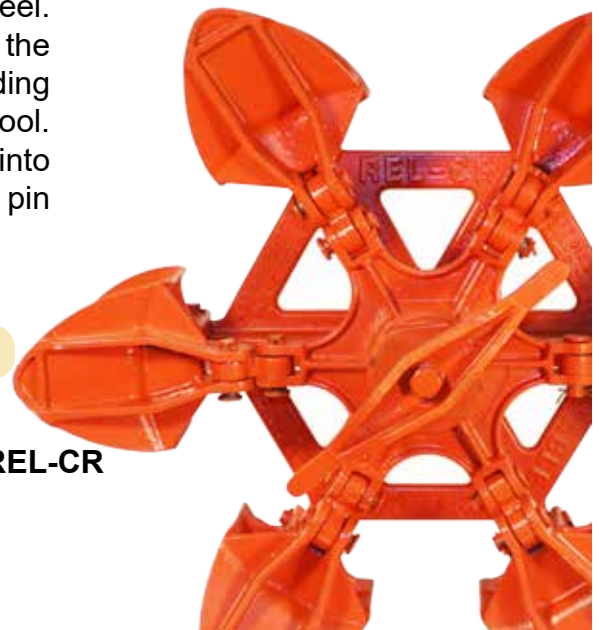


**Collapsible Reel** may be used in take-up and stringing applications requiring up to 4,000 pounds of pulling force. Up to 1,600 feet of 1/4" wire rope or cable may be coiled onto the reel. (Max. storage 200 lbs.) A half turn of the handle collapses the outer rim. The six rim segments pivot inward when the sliding spider is released allowing quick removal of wire or cable spool. Set the reel by lifting the rim segment while turning handle into the spindle. The reel mounts onto any 2-7/16" bayonet or pin type winch drum shaft.

RL-REL-CR 18.75 Collapsed, 26" Expanded, 20" Drum



RL-REL-CR



# INSTRUMENTS



TL-724

The **SagScope** features a "Double Bubble" measurement device which allows for vertical & horizontal levelling. The 3 x 9 power scope with cross hairs mounts easily to either wooden poles or steel structures. Kit includes a padded, high-impact storage case.

TL-724 Sag Scope

The **Sagwatch** is used to quickly and accurately determine sag in conductor. Watch is antimagnetic and housed in a stainless steel case. Water & shock resistant. The 3rd return measures sag up to 36 feet. The 5th return measures sag up to 10 Feet. The watch scale is seconds up to 30 with tenth of a second graduations.



TL-SW-E

TL-SW-E Sagwatch

The **Pocket Thermometer** is used to determine the ambient temperature when identifying sag tensions. The pocket thermometer has a range from -50 degrees F to 120 degrees F.

TL-21412-2J Pocket Thermometer



TL-21412-2J



TL-CT40-160

The **Sagometer** is an accurate thermometer encased in a section of aluminum conductor. This helps determine the temperature of the conductor being sagged. Range is -40o degrees F to 160 degrees F.

TL-CT40-160 Sagometer



**Analog Dynamometers** accurately display weight in any direction within 1/2 % of full scale. Shackles and cases are included.

TL-30006-0035 Capacity: 2,000lb., Divisions: 20, 5" Dial  
 TL-30006-0050 Capacity: 5,000lb., Divisions: 50, 5" Dial  
 TL-30006-0084 Capacity: 10,000lb., Divisions: 100, 5" Dial  
 TL-30006-0100 Capacity: 20,000lb., Divisions: 200, 5" Dial  
 TL-30007-0109 Capacity: 20,000lb., Divisions: 100, 10" Dial  
 TL-30784-0017 Capacity: 30,000lb., Divisions: 200, 10" Dial  
 TL-30784-0025 Capacity: 40,000lb., Divisions: 200, 10" Dial  
 TL-30784-0033 Capacity: 50,000lb., Divisions: 200, 10" Dial



TL-30007-0109

**Digital Dynamometers** accurately displays weight in any direction within an accuracy of 0.2% of capacity. LCD displays 1" high digits. Supplied with shackles.

TL-36190-0038 Capacity: 2,500lb., Resolution: 2, Carrying Case Included  
 TL-36190-0046 Capacity: 5,000lb., Resolution: 5, Carrying Case Included  
 TL-36190-0053 Capacity: 10,000lb., Resolution: 10, Optional Carrying Case: 36244-0034  
 TL-36190-0103 Capacity: 25,000lb., Resolution: 20, Optional Carrying Case: 36244-0042

TL-36190-0103



# SLINGS



**Flat Eye To Eye Nylon Slings** are made with a flat loop eye on each end with loop eye opening on same plane as sling body. The flat eye to eye configuration has a type III rating and design. This type of sling is sometimes called a flat eye and eye, eye and eye, double eye sling. The EE2 series slings have a two ply nylon construction.

AS-EE2-801-3-LENGTH	1" W, Rated Capacities in Lbs.; Vertical: 3,200, Choker: 2,500, Basket: 6,400
AS-EE2-802-3-LENGTH	2" W, Rated Capacities in Lbs.; Vertical: 6,400, Choker: 5,000, Basket: 12,800
AS-EE2-803-3-LENGTH	3" W, Rated Capacities in Lbs.; Vertical: 8,600, Choker: 6,900, Basket: 17,200
AS-EE2-804-3-LENGTH	4" W, Rated Capacities in Lbs.; Vertical: 11,500, Choker: 9,200, Basket: 23,000
AS-EE2-805-3-LENGTH	5" W, Rated Capacities in Lbs.; Vertical: 13,600, Choker: 10,900, Basket: 27,200
AS-EE2-806-3-LENGTH	6" W, Rated Capacities in Lbs.; Vertical: 16,300, Choker: 13,000, Basket: 32,600
AS-EE2-808-3-LENGTH	8" W, Rated Capacities in Lbs.; Vertical: 19,200, Choker: 15,400, Basket: 38,400
AS-EE2-810-3-LENGTH	10" W, Rated Capacities in Lbs.; Vertical: 22,400, Choker: 17,900, Basket: 44,800
AS-EE2-812-3-LENGTH	12' W, Rated Capacities in Lbs.; Vertical: 26,900, Choker: 21,500, Basket: 53,800

*Twisted*

**Twisted Eye To Eye Nylon Slings** are made with both loop eyes formed as in flat eye to eye (Type III), except that the loop eyes are turned to form a loop eye which is at a right angle to the plane of the sling body. The twisted eye to eye configuration has a type IV rating and design. This type of sling is commonly referred to as a reverse eye or twisted eye sling. The EE2 series slings have a two ply nylon construction.

AS-EE2-801-4-LENGTH	1" W, Rated Capacities in Lbs.; Vertical: 3,200, Choker: 2,500, Basket: 6,400
AS-EE2-802-4-LENGTH	2" W, Rated Capacities in Lbs.; Vertical: 6,400, Choker: 5,000, Basket: 12,800
AS-EE2-803-4-LENGTH	3" W, Rated Capacities in Lbs.; Vertical: 8,600, Choker: 6,900, Basket: 17,200
AS-EE2-804-4-LENGTH	4" W, Rated Capacities in Lbs.; Vertical: 11,500, Choker: 9,200, Basket: 23,000
AS-EE2-805-4-LENGTH	5" W, Rated Capacities in Lbs.; Vertical: 13,600, Choker: 10,900, Basket: 27,200
AS-EE2-806-4-LENGTH	6" W, Rated Capacities in Lbs.; Vertical: 16,300, Choker: 13,000, Basket: 32,600
AS-EE2-808-4-LENGTH	8" W, Rated Capacities in Lbs.; Vertical: 19,200, Choker: 15,400, Basket: 38,400
AS-EE2-810-4-LENGTH	10" W, Rated Capacities in Lbs.; Vertical: 22,400, Choker: 17,900, Basket: 44,800
AS-EE2-812-4-LENGTH	12' W, Rated Capacities in Lbs.; Vertical: 26,900, Choker: 21,500, Basket: 53,800

*Flat*





**Endless Nylon Slings** sometimes referred to as a grommet. It is a continuous loop formed by joining the ends of the fabric together with a splice. The endless configuration has a type V rating and design. The EN2 series slings have a two ply nylon construction.

AS-EN2-801-5-LENGTH	1" W, Rated Capacities in Lbs.; Vertical: 6,200, Choker: 4,900, Basket: 12,400
AS-EN2-802-5-LENGTH	2" W, Rated Capacities in Lbs.; Vertical: 12,200, Choker: 9,800, Basket: 24,400
AS-EN2-803-5-LENGTH	3" W, Rated Capacities in Lbs.; Vertical: 16,300, Choker: 13,000, Basket: 32,600
AS-EN2-804-5-LENGTH	4" W, Rated Capacities in Lbs.; Vertical: 20,700, Choker: 16,500, Basket: 41,400
AS-EN2-805-5-LENGTH	5" W, Rated Capacities in Lbs.; Vertical: 24,500, Choker: 19,600, Basket: 49,000
AS-EN2-806-5-LENGTH	6" W, Rated Capacities in Lbs.; Vertical: 28,600, Choker: 23,000, Basket: 57,200
AS-EN2-808-5-LENGTH	8" W, Rated Capacities in Lbs.; Vertical: 30,700, Choker: 24,500, Basket: 61,400
AS-EN2-810-5-LENGTH	10" W, Rated Capacities in Lbs.; Vertical: 33,600, Choker: 26,800, Basket: 67,200
AS-EN2-812-5-LENGTH	12" W, Rated Capacities in Lbs.; Vertical: 37,600, Choker: 30,000, Basket: 75,200

**Endless Polyester Round "Jelly" Slings** are the most basic round sling, yet they offer great versatility. Endless round slings may be used in a vertical, choker or basket type hitch. Sling life extended through rotation of bearing points. Conforms to shape of load to grip easily. Offers tighter choke with easier release. Double jacket protects load bearing fibers. Elongation approximately 3% at rated capacity. Seamless - No stitched edges that can rupture prematurely.

AS-ARS-30-LENGTH	Purple Code, 1-1/8" W, Vertical: 2,650, Choker: 2,120, Basket: 5,300 Lbs.
AS-ARS-60-LENGTH	Green Code, 1-1/2" W, Vertical: 5,300, Choker: 4,240, Basket: 10,600 Lbs.
AS-ARS-90-LENGTH	Yellow Code, 1-7/8" W, Vertical: 8,400, Choker: 6,720, Basket: 16,800 Lbs.
AS-ARS-120-LENGTH	Tan Code, 2-1/8" W, Vertical: 10,600, Choker: 8,500, Basket: 21,200 Lbs.
AS-ARS-150-LENGTH	Red Code, 2-1/4" W, Vertical: 13,200, Choker: 10,560, Basket: 26,400 Lbs.
AS-ARS-180-LENGTH	White Code, 2-1/2" W, Vertical: 16,800, Choker: 13,440, Basket: 33,600 Lbs.
AS-ARS-240-LENGTH	Blue Code, 3" W, Vertical: 21,200, Choker: 17,000, Basket: 42,400 Lbs.
AS-ARS-300-LENGTH	Orange Code, 3-7/8" W, Vertical: 25,000, Choker: 20,000, Basket: 50,000 Lbs.
AS-ARS-360-LENGTH	Gray Code, 3-3/4" W, Vertical: 31,700, Choker: 25,300, Basket: 63,400 Lbs.
AS-ARS-500-LENGTH	Orange Code, 4-1/4" W, Vertical: 40,000, Choker: 32,000, Basket: 80,000 Lbs.
AS-ARS-600-LENGTH	Brown Code, 4-5/8" W, Vertical: 52,900, Choker: 42,300, Basket: 105,800 Lbs.
AS-ARS-800-LENGTH	Olive Code, 5-1/4" W, Vertical: 66,100, Choker: 52,880, Basket: 132,200 Lbs.
AS-ARS-1000-LENGTH	Black Code, 5-7/8" W, Vertical: 90,000, Choker: 72,000, Basket: 180,000 Lbs.

# SLINGS



**Eye To Eye Wire Rope Slings** are strand laid slings with single-rope legs and flemished loops. Rated capacities in tons (2000 lb). Rated capacities of choker hitches apply when angle or choke is greater than 120°.

AS-ASI-105A-1/4XLGTH	1/4"Dia.Choker Hitch: .48, Sgle Leg Vert: .65 Basket Hitch: 1.1(60°).91(45°).65(30°)
AS-ASI-105A-3/8XLGTH	3/8"Dia.Choker Hitch: 1.1, Sgle Leg Vert: 1.4 Basket Hitch: 2.5(60°)2.0(45°)1.4(30°)
AS-ASI-105A-1/2XLGTH	1/2"Dia.Choker Hitch: 1.9, Sgle Leg Vert: 2.5 Basket Hitch: 4.4(60°)3.6(45°)2.5(30°)
AS-ASI-105A-5/8XLGTH	5/8"Dia.Choker Hitch: 2.9, Sgle Leg Vert: 3.9 Basket Hitch: 6.8(60°)5.5(45°)3.9(30°)
AS-ASI-105A-3/4XLGTH	3/4"Dia.Choker Hitch: 4.2, Sgle Leg Vert: 5.6 Basket Hitch: 9.7(60°)7.9(45°)5.6(30°)
AS-ASI-105A-7/8XLGTH	7/8"Dia.Choker Hitch: 5.7, Sgle Leg Vert: 7.6 Basket Hitch: 13(60°)11(45°)7.6(30°)
AS-ASI-105A-1XLGTH	1"Dia.Choker Hitch: 7.4, Sgle Leg Vert: 9.8 Basket Hitch: 17(60°)14(45°)9.8(30°)



AS-ASI-105A-3/8XLGTH

**Eye To Eye Wire Rope Slings** with floating hook are strand laid slings with single-rope legs and flemished loops. Rated capacities in tons (2000 lb). Rated capacities of choker hitches apply when angle or choke is greater than 120°. Available with or without sliding hitch hook.

AS-ASI-173B-1/4XLGTH	1/4"Dia.Choker Hitch: .48, Sgle Leg Vert: .65 Basket Hitch: 1.1(60°).91(45°).65(30°)
AS-ASI-173B-3/8XLGTH	3/8"Dia.Choker Hitch: 1.1, Sgle Leg Vert: 1.4 Basket Hitch: 2.5(60°)2.0(45°)1.4(30°)
AS-ASI-173B-1/2XLGTH	1/2"Dia.Choker Hitch: 1.9, Sgle Leg Vert: 2.5 Basket Hitch: 4.4(60°)3.6(45°)2.5(30°)
AS-ASI-173B-5/8XLGTH	5/8"Dia.Choker Hitch: 2.9, Sgle Leg Vert: 3.9 Basket Hitch: 6.8(60°)5.5(45°)3.9(30°)
AS-ASI-173B-3/4XLGTH	3/4"Dia.Choker Hitch: 4.2, Sgle Leg Vert: 5.6 Basket Hitch: 9.7(60°)7.9(45°)5.6(30°)
AS-ASI-173B-7/8XLGTH	7/8"Dia.Choker Hitch: 5.7, Sgle Leg Vert: 7.6 Basket Hitch: 13(60°)11(45°)7.6(30°)
AS-ASI-173B-1XLGTH	1"Dia.Choker Hitch: 7.4, Sgle Leg Vert: 9.8 Basket Hitch: 17(60°)14(45°)9.8(30°)



AS-ASI-173B-1/4XLGTH



**Chain Pole Slings** are designed to securely lift, lower and set poles. Chain pole slings will not kink like wire rope or fray like typical rope. Standard pole slings are 5/16" X 5' and 3/8" X 5'. Available with sliding hook and clevis ring on one end, oblong ring on the other end or with double oblong rings.

AS-500-05-CO	5/16" X 5' with Double Oblong Rings
AS-500-05-SOLK	5/16" X 5' with Sliding Hook and Rings
AS-500-110-CO	3/8" X 5' with Double Oblong Rings
AS-500-110-SOLK	3/8" X 5' with Sliding Hook and Rings



AS-500-110-SOLK



AS-500-110-CO

**Adjustable Transformer Slings** are designed to smoothly lift and lower transformers. Made from 100% High Tenacity Polyester, the single braid sling length are adjustable from 24" to 48". Eyes on each end are adjusted from a size of 3" to 15" to accommodate various sizes and types of transformers. Each end has a crown splice to prevent eye from pulling out. Available in 1/2", 5/8" and 3/4".

AS-400-7000	1/2" (Blue), Verticle: 2,200lbs., Basket: 4,400lbs.
AS-400-07100	5/8" (Red), Verticle: 3,200lbs., Basket: 6,400lbs.
AS-400-07200	3/4" (Green), Verticle: 4,200lbs., Basket: 8,400lbs.



AS-400-07100

**Underground Transformer Sling** has two 1/2" X 4' polyester (Tenex) legs with spliced eye loops on each end for securing to a pad mount transformer. Third 3/8" X 3' polyester (Tenex) leg is secured to ring with 7/16" snap and has "S" hook on tail end. The third leg conveniently hold transformer door open while pad is mounted. 1000lbs. working load limit.

AS-125-10



AS-125-10	(2) 1/2" X 4' with 3/8" X 3' leg, 1000lbs. WWL
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# SLINGS



**Adjustable Cross Arm Sling** is designed to securely lift and lower regular and extra strength cross arms during overhead construction. The cross arm can be quickly bolted to the eye bolts attached to each end of the nylon sling arms. Once the sling is attached to the cross arm, the spliced eye loops on each end of the sling can be tightened. The material handling jib line attaches to the slings lifting eye for balanced support. This device provides a secure alternative to laying the cross arm across the bucket. The sling is adjustable from 28" to 52" spread to accommodate common 8', 10' and 14' cross arm styles. 500lb. Working Load Limit.

ST-ACAS 28"-52" Spread



ST-ACAS

**Cross Arm Slings** are designed to securely lift and lower regular and extra strength cross arms during overhead construction. The cross arm can be quickly bolted to the eye bolts attached to each end of the nylon sling arms. The material handling jib line attaches to the slings lifting eye for balanced support. This device provides a secure alternative to laying the cross arm across the bucket. Available in three fixed lengths for common 8', 10' and 14' cross arm styles. Different lengths available upon request. 500lb. Working Load Limit.

ST-CAS-16.5 16.5" Length; 8' Cross Arms  
ST-CAS-19 19" Length; 10' Cross Arms  
ST-CAS-28 28" Length; 14' Cross Arms

ST-CAS-16.5







**Skidding Tongs** are made of round high-carbon steel and have heavy up-set, hammer-forged points or hooks. High carbon steel is noted for its stiffness and extra strength. The sides are flattened evenly where they pivot. This gives a larger bearing surface and allows for the pivot to be shorter and of a larger diameter. The tongs are shaped so that a good grip is obtained on anything they straddle. The hooks are heat treated to resist straightening. The tongs are made with ring only. Skidding Tongs are not load rated and should not be used for overhead lifting.

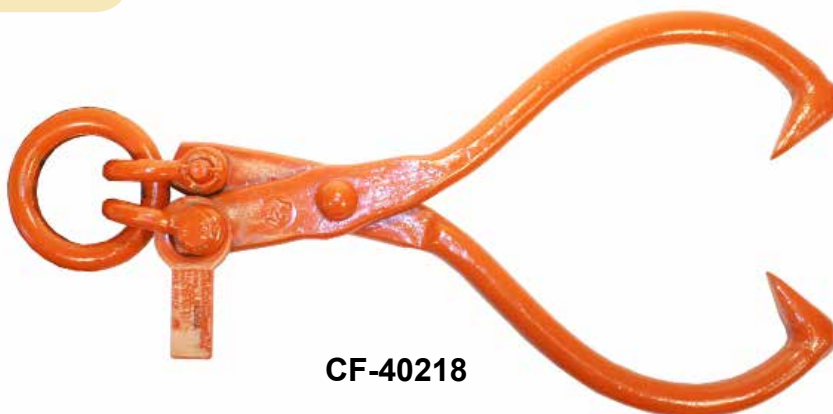
- OS-384A 1" X 16" Skidding Tong w/ Ring
- OS-384B 1" X 21" Skidding Tong w/ Ring
- OS-385 1" X 24" Skidding Tong w/ Ring
- OS-385 1-1/8" X 32" Skidding Tong w/ Ring
- OS-386 1-1/4" X 36" Skidding Tong w/ Ring

**Lifting "Timber" Tongs** are certified and proof tested alloy products used for overhead lifting. Proof loaded to two (2) times the Working Load Limit (WLL) then affixed with a permanent metal identification tag. Tong shape has been designed to provide a sure grip on poles and logs. Lifting Tongs are supported by a nut & bolt safety shackle with a ring.

- CF-40218 1" X 20" Lifting Tong w/ Ring
- CF-40228 1" X 25" Lifting Tong w/ Ring
- CF-40458 1-1/4" X 32" Lifting Tong w/ Ring
- CF-40558 1-1/4" X 36" Lifting Tong w/ Ring



OS-384A



CF-40218

# AERIAL TOOL APRONS



ST-CTA-2425-1

**SafetyTest Canvas Tool Aprons** are constructed with heavy duck cotton canvas. Canvas tool aprons are the ultimate organizer for tools, sockets, dies, bits, and materials which results in time and money savings. Aprons are available with numerous hanger, holder and pocket configurations.

- 24"W x 25"H
- 11 Pockets
- 2 Pouches
- 2 Drill Bit Holders
- 1 Hammer Holder
- 1 Skinning Knife Holder
- 1 Large Screw Driver Holder
- 1 Snap Hook



ST-CTA-2425-1 Canvas Tool Apron, 24"W X 25"H



ST-VTA-2425-1

**SafetyTest Vinyl Tool Aprons** are constructed with high quality vinyl coated nylon surrounding a sturdy canvas core. The aprons have an additional leather wear guard on the top for contact with the bucket. Vinyl tool aprons are the ultimate organizer for tools, sockets, dies, bits, and materials which results in time and money savings. Aprons are available with numerous hanger, holder and pocket configurations.

- 24"W x 25"H
- 11 Pockets
- 2 Pouches
- 2 Drill Bit Holders
- 1 Hammer Holder
- 1 Skinning Knife Holder
- 1 Large Screw Driver Holder
- 1 Snap Hook



ST-VTA-2425-1 Vinyl Tool Apron, 24"W X 25"H

**SafetyTest Vinyl Heavy Duty Tool Aprons** are constructed with high quality reinforced black vinyl coated nylon surrounding a sturdy canvas core. The reinforced vinyl will provide sturdy placement of tooling and extended life of tool apron. The aprons have an additional leather wear guard on the top for contact with the bucket. Vinyl tool aprons are the ultimate organizer for tools, sockets, dies, bits, and materials which results in time and money savings. Aprons are available with numerous hanger, holder and pocket configurations.

- 24"W x 25"H
- 11 Pockets
- 2 Pouches
- 2 Drill Bit Holders
- 1 Hammer Holder
- 1 Skinning Knife Holder
- 1 Large Screw Driver Holder
- 1 Snap Hook

**SafetyTest**

ST-VTA-HD-2425-1HD Vinyl Tool Apron, 24"W X 25"H

**ST-VTA-HD-2425-1**



**SafetyTest Vinyl Tool Aprons** are constructed with high quality vinyl coated nylon surrounding a sturdy canvas core. The aprons have an additional leather wear guard on the top for contact with the bucket. Vinyl tool aprons are the ultimate organizer for tools, sockets, dies, bits, and materials which results in time and money savings. Aprons are available with numerous hanger, holder and pocket configurations.

- 36"W x 25"H
- 11 Pockets
- 2 Pouches
- 2 Drill Bit Holders
- 1 Pop Tool Holder
- Hammer Holder
- 1 Skinning Knife Holder
- 1 Large Screw Driver Holder
- 1 Snap Hook

**SafetyTest**

ST-VTA-3625-1 Vinyl Tool Apron, 36"W X 25"H

**ST-VTA-3625-1**



# AERIAL TOOL APRONS



ES-1829-DP

**Estex 1829-DP Vinyl Tool Apron** has 10 Hand Tool Pockets, 2 Pouches, Hammer Loop and 2 Drill Bit Holders designed a series of tool aprons with multiple pocket configurations to fit inside the bucket. They were designed to fit flat against the liner to minimize interference with line work yet maximize a linemen's ability to reach the necessary tools. Each apron has a non conductive rod in the top for support as well as two brass grommets.

ES-1829-DP Vinyl Tool Apron, 24"W X 22"H



KL-51829

**Klein Vinyl Tool Apron** has 10 hand-tool pockets, two pouches, hammer loop, two drill bit holders, two leather pockets and swivel snap hook. Two pouches are reinforced with heavy-duty rivets.

KL-51829 Vinyl Tool Apron, 24"W X 23"H







## SafetyTest

**Canvas Tool Aprons** are constructed with heavy duck cotton canvas. Canvas tool aprons are the ultimate organizer for tools, sockets, dies, bits, and materials which results in time and money savings. Aprons are available with numerous hanger, holder and pocket configurations.

- 21"W X 26"H
- 7 Pockets
- 2 Pouches
- 2 Tool Holders
- 1 Tape Holder

ST-CTA-2126-1 Canvas Tool Apron, 21"W X 26"H



ST-CTA-2126-1



**SafetyTest Fiberglass Tool Aprons** are constructed from high impact plastic and equipped with a molded design which slips over the lip of the aerial bucket. Boards are available bare or with numerous hangers, holsters, and bags.

- 21"Wx26H
- Pockets
- 2 Pouches
- 2 Tool Holders
- 1 Tape Holder

ST-FGTA1823-1 Fiberglass Tool Apron, 18"W X 23"H, Bare  
ST-FGTA1823-2 Fiberglass Tool Apron, 18"W X 23"H w/Pockets



ST-FGTA1823-2



# AERIAL OVAL BUCKETS



ES-1800

**Estex Oval Tool Buckets** are designed to hang on the aerial lift bucket with attachment hooks. There is a PVC ring in the top to shape the opening. 1800 series has six hand tool pockets on the inside of the bag organize tools for easy access. Holes for attachment hooks are reinforced with brass grommets. The bag has a sturdy plastic bottom with drainage holes.

ES-1800 Oval Tool Bucket, Six Inside Pockets



1800 Series Inside



ES-1800-HB

**Estex Oval Tool Buckets** are designed to hang on the aerial lift bucket with attachment hooks. There is a PVC ring in the top to shape the opening and PVC supports on the sides to keep the bag open. 1800 series has six hand tool pockets on the inside of the bag organize tools for easy access. Holes for attachment hooks are reinforced with brass grommets. The bag has a sturdy plastic bottom with drainage holes.

ES-1800-HB Oval Tool Bucket, Hard Body, Six Inside Pockets



ES-1800-20

**Estex Oval Tool Buckets** are designed to hang on the aerial lift bucket with attachment hooks. There is a PVC ring in the top to shape the opening and PVC supports on the sides to keep the bag open. 1800 series has six hand tool pockets on the inside of the bag organize tools for easy access. This is an oval bucket made from extra heavy materials to support the weight of compression tools and bolt cutters. The bottom and top ring are extra heavy to support this weight. The bag allows the handles to extend above the top ring for easy access. Holes for attachment hooks are reinforced with brass grommets. The bag has a sturdy plastic bottom with drainage holes.

ES-1800-20 Oval Tool Bucket, Hard Body, Six Inside Pockets, 20"

**Estex Oval Tool Buckets** are designed to hang on the aerial lift bucket with attachment hooks. There is a PVC ring in the top to shape the opening. 1802 series features 15 pockets on the inside of the bag organize tools and PVC Side Supports to enhance strength and promote access. Holes for attachment hooks are reinforced with brass grommets. The bag has a sturdy plastic bottom with drainage holes.



ES-1820 Oval Tool Bucket, 15 Inside Pockets

ES-1820



1802 Series Inside

**Estex Oval Tool Buckets** are designed to hang on the aerial lift bucket with attachment hooks. There is a PVC ring in the top to shape the opening. 1802 series features 15 pockets on the inside of the bag organize tools and hard Body plastic on the sides to keep the bag open and rigid. Holes for attachment hooks are reinforced with brass grommets. The bag has a sturdy plastic bottom with drainage holes.



ES-1820-HB Oval Tool Bucket, Hard Body, 15 Inside Pockets

ES-1820-HB

**Estex Oval Tool Buckets** are designed to hang on the aerial lift bucket with attachment hooks. There is a PVC ring in the top to shape the opening. 1802 series features 15 pockets on the inside of the bag organize tools and hard Body plastic on the sides to keep the bag open and rigid. Holes for attachment hooks are reinforced with brass grommets and the addition of two handles for carrying the bag. The bag has a sturdy plastic bottom with drainage holes.



ES-1820-H-HB Oval Tool Bucket, Hard Body, 15 Inside Pockets, Handles

ES-1820-H-HB

# AERIAL TOOL HOLDERS



**SafetyTest Aerial Bucket Mounted Canvas Tool Tray** converts easily to Bag. The ultimate Tool Storage, Converts from bag to tool tray. Detachable nylon handles. Grommets for use in a bucket. 20 Internal pockets. Tape holder. Large pocket with velcro closure and 9 additional external pockets. Heavy gage rubber bottom. Made from top quality, heavy cotton duck canvas.

ST-CTB-CPL Tool Tray/Bag

**SafetyTest**



ST-CTB-CPL  
(front)



ST-CTB-CPL  
(back)

ST-CTB-CPL  
(inside)



JA-24-17

**Jameson Aerial Bucket Mounted Tool Tray** features 7 removable dividers and fixed bucket mounts. 23" X 14" X 8".

JA-24-17 Tool Tray w/ Dividers

**JAMESON**



**SafetyTest Compression Tool and Bolt Cutter Bags** are manufactured from heavy duty vinyl coated nylon. Two large pockets to accommodate two compression tools and one small pocket to hold a smaller tool such as a bolt cutter. The bases are reinforced with leatherette and have brass grommets for drainage and ventilation. 19"H X 10"W

ST-PT2 Tool Holder; Triple

**SafetyTest**

ST-PT2



**Jameson Aerial Bucket Mounted Tool Holder** features a double pocket tool configuration. Inner pocket measures 6.25" X 2.25" X 17". Outer pocket measures 5.25" X 12.5" X 15". Thicker neck and back for greater rigidity and strength. Longer back to accommodate a greater variety of tools. Larger front pocket. Drain holes for moisture escape.

JA-24-15D Tool Holder; Double

**JAMESON**



JA-24-15D

**Plastic Aerial Bucket Mounted Tool Holder** features a triple pocket tool configuration and double drill bit holders.

TL-TE2480 Tool Holder; Triple

TL-TE2480



# AERIAL CHAIN SAW SCABBARDS



**Jameson Aerial Bucket Mounted Chainsaw Scabbards** with Adjustable Lip are designed for storage of gasoline and hydraulic pistol grip chainsaws. The scabbard's adjustable lip allows for secure attachment to aerial lift buckets. The bucket mounted scabbards provide easy access to tool as well as convenient storage.

JA-24-14A 35.25" x 7.5" x 4.5".  
JA-24-18L 32.5" x 7.5" x 7" w/ Adjustable Liner



JA-24-14A

JA-24-18L

**Plastic Techniques Aerial Bucket Mounted Chainsaw Scabbard** is designed for storage of gasoline and hydraulic pistol grip chainsaws. The bucket mounted scabbards provide easy access to tool as well as convenient storage.

PS-CSS-20 33" x 6" x 5"



PS-CSS-20

**Jameson Aerial Bucket Mounted Pruner Holder** with Locking Straps and Handle. Designed to be mounted on the boom for safe and convenient access. Pruner Holder can be mounted to round or square booms. Constructed from high impact plastic.

JA-24-04 Pruner Holder System, 12"x 13"



**JA-24-04**

**Jameson Aerial Bucket Mounted Circular Saw Holder** with Locking Straps and Handle. Designed to be mounted on the boom for safe and convenient access. Pruner Holder can be mounted to round or square booms. Constructed from high impact plastic.

JA-24-02 Circular Saw Holder System, 12"x 9"



**JA-24-02**

**Jameson Aerial Boom Mounted Long Reach Chain Saw Holder** with Locking Straps and Handle. Designed to be mounted on the boom for safe and convenient access. Pruner Holder can be mounted to round or square booms. Constructed from high impact plastic.

JA-24-03 Long Reach Chain Saw Holder System, Fits Stanley Hydraulics

JA-24-03F Long Reach Chain Saw Holder System, Fits Greenlee & Reliable Hydraulics



**JA-24-03**

# AERIAL IMPACT WRENCH/DRILL



RL-REL-IH

**Reliable Aerial Bucket Mounted Impact Wrench/Drill Holder** is designed to be mounted inside or outside of aerial buckets, with or without liners. Simple to change for right or left handed tool positioning. Slotted to accept wrench with drill bit or adapter installed. Velcro closure to secure tool features extra wide bracket.

RL-REL-IH Impact Wrench/Drill Holder



JA-24-12A

**Jameson Aerial Bucket Mounted Impact Wrench/Drill Holder** features one-piece construction with adjustable clamp bracket. Accommodates most wrenches and drills. Increased opening size allows for insertion and removal of drill without contacting the holder. Increased opening to accommodate various impact tool models. Adjustable clamp bracket features additional bumpers and lower shelf for convenient mounting to all bucket/liner configurations.

JA-24-12A Impact Wrench/Drill Holder



JA-24-12AH

**Jameson Aerial Bucket Mounted Impact Wrench/Drill Holder** with scabbard features two spare drill bit holders and adjustable clamp bracket. Accommodates most wrenches and drills. Increased opening size allows for insertion and removal of drill without contacting the holder. Increased opening to accommodate various impact tool models. Adjustable clamp bracket features additional bumpers and lower shelf for convenient mounting to all bucket/liner configurations.

JA-24-12AH Impact Wrench/Drill Holder w/ Scabbard







# FIBERGLASS STICK BAGS

**SafetyTest Canvas Fiberglass Stick Bags** are made from top quality, heavy cotton duck canvas. The compact stick bags are perfect for discharge sticks or HV series telescopic bucket sticks. Secure carrying handle and velcro closure flap. Bag has foam insert for stick protection.

ST-CFSB-2424"  
ST-CFSB-3030"  
ST-CFSB-3636"  
ST-CFSB-4242"



ST-CFSB-24



**SafetyTest Vinyl Fiberglass Stick Bags** are constructed with heavy duty vinyl coated nylon. Storage bags have reinforced carrying handle and double snap closure flap. Standard bags are 30" and 4'-13' lengths. Custom sizes are available upon request.

ST-VFSB-30 30"  
ST-VFSB-48 48"  
ST-VFSB-60 60"  
ST-VFSB-72 72"  
ST-VFSB-84 84"  
ST-VFSB-96 96"  
ST-VFSB-108 108"  
ST-VFSB-120 120"  
ST-VFSB-132 132"  
ST-VFSB-144 144"  
ST-VFSB-156 156"

ST-VFSB-72



# EQUIPMENT BAGS



**SafetyTest Vinyl Gear Bags** are constructed from heavy duty vinyl coated nylon. Gear bags are perfect for safety equipment and specialty storage needs. Continuous strap handles are made with 1.5" nylon webbing. Removable hard bottom insert. Reinforced leather zipper tab with small D ring for attaching a locking device. Vinyl flap with velcro closure prevents moisture from getting through the opening. The vinyl gear bags are available in numerous sizes and colors. Bags can also have custom logo with company identity or storage designation.

ST-EB-1899-Y Vinyl, 18"L X 9"W X 9"H, Yellow

**SafetyTest**



ST-EB-1899-Y

**SafetyTest Vinyl Equipment Bags** are constructed from heavy duty vinyl coated nylon. Equipment bags are perfect for climbing equipment and specialty storage needs. Continuous strap handles are made with 1.5" nylon webbing. Removable hard bottom insert. Reinforced leather zipper tab with small D ring for attaching a locking device. Vinyl flap with velcro closure prevents moisture from getting through the opening. The vinyl gear bags are available in numerous sizes and colors. Bags can also have custom logo with company identity or storage designation.

ST-EB-281610-G Vinyl, 28"L X 16"W X 10"H, Grey

**SafetyTest**



ST-EB-281610-G



## EQUIPMENT BAGS

**Estex 2175 Series Canvas Equipment Bags** are constructed with heavyweight #4 canvas duck. The top opening has a steel frame to keep the bag open and provide security when closed. Two leather straps secure the opening. 2" web handles wrap around the entire bag for added strength. They have a "box X" stitch at the top for extra strength. The bottom is reinforced with heavy vinyl coated nylon and has a double tempered masonite board. Six brass studs are placed on the bottom of the bag to protect against abrasion. Available with one or two large outside pockets. Also available with zipper flap.

ES-2175-MP Canvas, 24", Two Pocket, Flap

ES-2175-MP



**Estex 2117 Series Vinyl Equipment Bags** are constructed heavy vinyl coated nylon which is water resistant and also very resistant to abrasion. The bottom is made from molded polymer plastic which gives additional water resistance. The 2" web handles wrap completely around the bag. There is a weather flap that covers the top of the bag to keep water out. Box "X" stitches on the handles prevent tearing. Available with one or two large outside pockets. Pockets are covered with a flap with snap fasteners. This bag also has a shoulder strap.

ES-2117-1LOSP Vinyl, 24", Polymer Btm., One Pocket  
ES-2117-2LOSP Vinyl, 24", Polymer Btm., Two Pocket

ES-2117-2LOSP



## EQUIPMENT BAGS



**SafetyTest Canvas Nut & Bolt Bags** are made from top quality, heavy cotton duck canvas. All bags have reinforced tops, drain holes, inner pocket and attachment straps or grommets.

ST-NB-810CSB 8"W X 10"H, Canvas, Nylon Straps, Snap/Buckle



**SafetyTest**

ST-NB-810CSB

**SafetyTest Vinyl Nut & Bolt Bags** are made from heavy duty vinyl coated nylon. All bags have reinforced tops, drain holes, inner pocket and attachment straps or grommets.

ST-NB-810VSB 8"W X 10"H, Vinyl, Nylon Straps, Snap/Buckle



**SafetyTest**

ST-NB-810VSB





## NUT & BOLT BAGS

**SafetyTest Leather Nut & Bolt Bags** are made from heavy top grain leather. All bags have reinforced tops provide easy access for parts and tools when wearing rubber gloves. All bags feature drain holes, inner pocket and attachment straps or grommets.

ST-NB-910LSB 9"W X 10"H, Leather, Nylon Straps, Snap/Buckle

**SafetyTest**



ST-NB-910LSB

**SafetyTest Leather Tower Pouch** is made from heavy top grain leather. This belt is constructed with two heavy duty nut & bolt bags for easy access to materials. The dual pouches have reinforced tops to provide easy access for parts and tools when wearing rubber gloves.

ST-TP1 16"W X 8"H, Leather w/ Adjustable Belt

**SafetyTest**



ST-TP1

# TOOL BUCKETS



**SafetyTest Tool Buckets** are made from top quality, heavy cotton duck canvas or vinyl coated nylon. The top ring is a single piece molded, non-metallic material designed to stay open even under severe and continuous load. Lifting rope is constructed with heavy-duty 1/2" nylon twisted rope with leather reinforced grommet for extended service. Standard size is 12" diameter and 16" height. Buckets are available in numerous sizes with leather or high impact thermoplastic rubber bottoms. Also available with swivel snap, inside pockets, outside pockets or removable top. Tool buckets can be made in any size. Please specify height desired if not the standard 16".



ST-CTB-1216L	Canvas, Leather
ST-CTB-1216LS	Canvas, Leather, Swivel Snap
ST-CTB-1216P	Canvas, Plastic
ST-CTB-1216PS	Canvas, Plastic, Swivel Snap



## Optional Swivel Snap



**SafetyTest Tool Buckets** are made from top quality, heavy cotton duck canvas or vinyl coated nylon. The top ring is a single piece molded, non-metallic material designed to stay open even under severe and continuous load. Lifting rope is constructed with heavy-duty 1/2" nylon twisted rope with leather reinforced grommet for extended service. Standard size is 12" diameter and 16" height. Buckets are available in numerous sizes with leather or high impact thermoplastic rubber bottoms. Also available with swivel snap, inside pockets, outside pockets or removable top. Tool buckets can be made in any size. Please specify height desired if not the standard 16".



ST-CTBIP-1216L	Canvas, Leather , Inside Pockets
ST-CTBIP-1216LS	Canvas, Leather , Swivel Snap, Inside Pockets
ST-CTBIP-1216P	Canvas, Plastic , Inside Pockets
ST-CTBIP-1216PS	Canvas, Plastic , Swivel Snap, Inside Pockets
ST-CTBOP-1216L	Canvas, Leather , Outside Pockets
ST-CTBOP-1216LS	Canvas, Leather , Swivel Snap, Outside Pockets
ST-CTBOP-1216P	Canvas, Plastic , Outside Pockets
ST-CTBOP-1216PS	Canvas, Plastic , Swivel Snap, Outside Pockets



**SafetyTest Tool Buckets** are made from top quality, heavy cotton duck canvas or vinyl coated nylon. The top ring is a single piece molded, non-metallic material designed to stay open even under severe and continuous load. Lifting rope is constructed with heavy-duty 1/2" nylon twisted rope with leather reinforced grommet for extended service. Standard size is 12" diameter and 16" height. Buckets are available in numerous sizes with leather or high impact thermoplastic rubber bottoms. Also available with swivel snap, inside pockets, outside pockets or removable top. Tool buckets can be made in any size. Please specify height desired if not the standard 16".

ST-VTB-1216L Vinyl, Leather  
 ST-VTB-1216LS Vinyl, Leather, Swivel Snap  
 ST-VTB-1216P Vinyl, Plastic  
 ST-VTB-1216PS Vinyl, Plastic, Swivel Snap



**SafetyTest Tool Buckets** are made from top quality, heavy cotton duck canvas or vinyl coated nylon. The top ring is a single piece molded, non-metallic material designed to stay open even under severe and continuous load. Lifting rope is constructed with heavy-duty 1/2" nylon twisted rope with leather reinforced grommet for extended service. Standard size is 12" diameter and 16" height. Buckets are available in numerous sizes with leather or high impact thermoplastic rubber bottoms. Also available with swivel snap, inside pockets, outside pockets or removable top. Tool buckets can be made in any size. Please specify height desired if not the standard 16".

**Removable Top**

ST-CTBT-1216L Canvas, Leather, Removable Top  
 ST-CTBT-1216LS Canvas, Leather, Swivel Snap, Removable Top  
 ST-CTBT-1216P Canvas, Plastic, Removable Top  
 ST-CTBT-1216PS Canvas, Plastic, Swivel Snap, Removable Top  
 ST-VTBT-1216L Vinyl, Leather Bottom, Removable Top  
 ST-VTBT-1216LS Vinyl, Leather, Swivel Snap, Removable Top  
 ST-VTBT-1216P Vinyl, Plastic, Removable Top  
 ST-VTBT-1216PS Vinyl, Plastic, Swivel Snap, Removable Top



# MINIATURE TOOL BUCKETS



**SafetyTest Miniature Tool Buckets** are used in the Power Utility Industry mainly as a promotional item or for use in competition rodeo speed climbing events. Available with with **custom corporate logo for promotional distribution**. Optional with or without pockets, various sizes, canvas colors and logo options. Please contact SafetyTest for custom specification requirements.



ST-MTB	Miniature Tool Bucket, Without Pockets
ST-MTB-P	Miniature Tool Bucket, With Pockets





# CARRIERS & HOLSTERS



ST-HC-AC-1-L

ST-HC-AC-1-L    Leather Aerosol Can Holster, Dee Ring & Belt Slots, Leather



ST-HC-H-1-L

ST-HC-H-1-L    Hammer Holster, Belt Slots, Leather



ST-HC-LS-1-L

ST-HC-LS-1-L    Loop Snap Carrier, Leather



ST-HC-S-1-L

ST-HC-S-1-L    Scissor Holster, 6", Belt Slots



ST-HC-W-S-1-L

ST-HC-W-S-1-L    Spud Wrench Holster, Belt Slots



**Bashlin 111 HLDS Series Tool Holster** has 5 pockets and a 2-way knife snap. The linemen's holster features a double backed leather design for added strength and durability. The russett leather pockets form to your tools. The knife snap and attachment kit are included.

**BA-111-HLDS**



BA-111-HLDS Natural



**Buckingham 42266 Series Tool Holsters** feature 5 pockets and a 2 way knife snap. The double back holsters are designed with pockets that are riveted to a thick layer of leather with another leather layer sewn over the rivet heads. Sandwiched in the middle of the leather layers is a plastic stiffener to keep the back rigid. The rigid backs are available in standard 11" or shorter 8" height. Leather holsters are made of heavy tanned leather. Available in Natural, Brown or Black.

**BU-42266S**



BU-42266 Natural  
 BU-42266BR Brown  
 BU-42266BL Black  
 BU-42266S Short, Natural  
 BU-42266SBR Short, Brown  
 BU-42266SBL Short, Black

**BU-42266BL**



**BU-42266BR**



# SCABBARDS & GUARDS



ST-SG-A-1-L

**SafetyTest Axe Scabbards** are designed to protect personnel as well as axe blades. Guards are constructed of top grain leather, nylon belting or canvas. Strap and buckle closures. Available for different blade and size configurations.

ST-SG-A-1-L Axe Scabbard, 6" Single Edge, Leather,



ST-SG-BA-1-L

**SafetyTest Bush Axe Scabbards** are designed to protect personnel as well as bush axe blades. Guards are constructed of top grain leather, nylon belting or canvas. Strap and buckle closures. Available for different blade and size configurations.

ST-SG-BA-1-L Bush Axe Scabbard, 12" Single Edge, Leather



ST-SG-BA-2-L

**SafetyTest Bush Axe Scabbards** are designed to protect personnel as well as bush axe blades. Guards are constructed of top grain leather, nylon belting or canvas. Strap and buckle closures. Available for different blade and size configurations.

ST-SG-BA-2-L Bush Axe Scabbard, 14" Double Edge, Leather



ST-SG-BA-3-L

**SafetyTest Bush Axe Scabbards** are designed to protect personnel as well as bush axe blades. Guards are constructed of top grain leather, nylon belting or canvas. Strap and buckle closures. Available for different blade and size configurations.

ST-SG-BA-3-L Bush Axe Scabbard, 6" Wide, 16-1/2" Double Edge, Leather







## SCABBARDS & GUARDS

**SafetyTest Bush Axe Scabbards** are designed to protect personnel as well as bush axe blades. Guards are constructed of top grain leather, nylon belting or canvas. Strap and buckle closures. Available for different blade and size configurations.

ST-SG-BA-3-B Bush Axe Scabbard, 6" Wide,  
16-1/2" Double Edge, Belting



**SafetyTest Bush Axe Scabbards** are designed to protect personnel as well as bush axe blades. Guards are constructed of top grain leather, nylon belting or canvas. Strap and buckle closures. Available for different blade and size configurations.

ST-SG-BA-3-C Bush Axe Scabbard, 6" Wide,  
16-1/2" Double Edge, Canvas



**SafetyTest Cant Hook Scabbard** utilizes a strap and buckle closure and is designed for attachment to cant hook tip. The guard is constructed of premium top grain leather.

ST-SG-CH-1-L Cant Hook Scabbard, Leather



**SafetyTest Prunner Scabbard** is design to protect personnel as well as pruner head. Fits Marvin, Snap Cut and Jameson tree pruner heads. The guard is constructed of premium top grain leather and has snap closure.

ST-SG-P-1-L Prunner Scabbard, Leather  
(Marvin PH-3, PH-4 &  
Snap Cut 11 or equivalent)

ST-SG-P-2-L Prunner Scabbard, Leather  
(Snap Cut 12 or equivalent)



ST-SG-BA-3-B



ST-SG-BA-3-C



ST-SG-CH-1-L



ST-SG-P-1-L



ST-SG-P-2-L

# SCABBARDS & GUARDS



**SafetyTest Machette Scabbards** are designed to protect personnel as well as machette blades. Guards are constructed of top grain leather or nylon belting. Easy access holster type opening. Available for different blade and size configurations.



ST-SG-M-1-L

ST-SG-M-1-L Machette Scabbard, 19", Pointed, Leather  
ST-SG-M-2-L Machette Scabbard, 19", Bush-Style, Leather



ST-SG-M-2-L



**SafetyTest Chainsaw Scabbards** are designed to protect personnel as well as chainsaw bar and chain. Guards are constructed of top grain leather or nylon belting. Strap and buckle closures for attachment to saw. Available for different bar and chain size configurations.



ST-SG-S-C-1-L

ST-SG-S-C-1-L Chain Saw Scabbard, 15", Leather



**SafetyTest Handsaw Scabbards** are designed to protect personnel as well as handsaw blades. Guards are constructed of top grain leather or nylon belting. Available with easy access holster opening or strap and buckle closures for attachment to saw. Most scabbards are equipped with attachment ring on back and snap on front. Available for different blade shapes and size configurations.



ST-SG-S-H-1-L

ST-SG-S-H-1-L Handsaw Scabbard, 14" Blades, Straight, Leather (Fanno 1214 or equivalent)



ST-SG-S-H-2-L

ST-SG-S-H-2-L Handsaw Scabbard, 14" Blades, Curved, Leather (Fanno 14 or equivalent)



**SafetyTest Handsaw Scabbards** are designed to protect personnel as well as handsaw blades. Guards are constructed of top grain leather or nylon belting. Available with easy access holster opening or strap and buckle closures for attachment to saw. Most scabbards are equipped with attachment ring on back and snap on front. Available for different blade shapes and size configurations.

ST-SG-S-H-3-L Handsaw Scabbard, 14" Blades,  
Curved, Strap/Buckle, Leather  
(Fanno 1330 or equivalent)



**ST-SG-S-H-3-L**

**SafetyTest**

ST-SG-S-H-4-L Handsaw Scabbard, 14" Blades,  
Curved, Leather  
(Fanno 1311 or equivalent)



**ST-SG-S-H-4-L**

**SafetyTest**

ST-SG-S-H-5-L Handsaw Scabbard, 20" Blades,  
Curved, Leather  
(Fanno 16 & 17 or equivalent)



**ST-SG-S-H-5-L**

**SafetyTest**

ST-SG-S-H-6-L Handsaw Scabbard, 22" Blades,  
Curved, Leather (Fanno 20 & 22,  
Snap Cut 620 or equivalent)



**ST-SG-S-H-6-L**

**SafetyTest**

# SCABBARDS & GUARDS



**SafetyTest Handsaw Scabbards** are designed to protect personnel as well as handsaw blades. Guards are constructed of top grain leather or nylon belting. Available with easy access holster opening or strap and buckle closures for attachment to saw. Most scabbards are equipped with attachment ring on back and snap on front. Available for different blade shapes and size configurations.



**ST-SG-S-H-8-L**

ST-SG-S-H-8-L Handsaw Scabbard, 24" & 14" Blades, Curved, Leather (Fanno 24 & K-24, Snap Cut 624 & Fanno 14 equivalent)



**ST-SG-S-H-9-L**

ST-SG-S-H-9-L Handsaw Scabbard, 22" Blades, Straight, Leather (Fanno 8 & Snap Cut 1922 or equivalent)



**ST-SG-S-H-10-L**

ST-SG-S-H-10-L Handsaw Scabbard, 24" Blades, Straight, Leather (Fanno 7 or equivalent)





**SafetyTest Handsaw Scabbards** are designed to protect personnel as well as handsaw blades. Guards are constructed of top grain leather or nylon belting. Available with easy access holster opening or strap and buckle closures for attachment to saw. Most scabbards are equipped with attachment ring on back and snap on front. Available for different blade shapes and size configurations.

ST-SG-S-H-7-L Handsaw Scabbard, 24" Blades, Curved, Leather (Fanno 24 & K-24, Snap Cut 624 or equivalent)



**ST-SG-S-H-7-L**

**SafetyTest**

ST-SG-S-P-1-L Pole Saw Scabbard, 16", Strap/Buckle, Leather (Snap Cut 20 or equivalent)



**ST-SG-S-P-1-L**

**SafetyTest**

ST-SG-S-P-2-L Pole Saw Scabbard, 20", Strap/Buckle, Leather (Fanno 5 & 9 or equivalent)



**ST-SG-S-P-2-L**

**SafetyTest**

## CURRENT &amp; VOLTAGE METERS



KL-CL200

**Klein KL-CL200 Clamp Meter** has a range of 600A AC current and 600V AC/DC voltage. Also measures temperature, frequency & capacitance. Incorporates diode test and continuity. Features backlit display & worklight. Includes case, thermocouple, test leads, and batteries.

KL-CL200 Clamp Meter; 600A w/ Temperature



KL-CL2500

**Klein KL-CL2500 Clamp Meter** has a range of 1000A AC/DC True RMS current and 750V AC & 1000V DC voltage. Also measures frequency & capacitance. Incorporates diode test and continuity. Features non-contact testing, backlit display & worklight. Magnetic mount and lead storage. Includes case, test leads, and batteries.

KL-CL2500 Clamp Meter; 1000A AC/DC True RMS



**Greenlee CM-660-C Clamp Meter** detects AC voltage measurement with digital low pass filter for accurate readings on variable frequency drives. Also measures DC voltage, resistance and frequency tests continuity and diodes. AmpTip™ increases accuracy on small wires and low current with two voltage detection modes - non-contact or using a single test lead. Data hold recording of maximum, minimum, and average readings. Lifetime warranty.

Amperage Measurement : 60, 600 Amps AC  
 Display : LCD, 6000 Count  
 Frequency Rating : Voltage and AmpTip™ current: 50/60 Hz.  
 High current: 50 to 400 Hz  
 Includes : (2) 1.5V AAA batteries, test leads, carrying case  
 Jaw Opening : 1.18" (30 mm)  
 Measurement Category : CAT III 600V, CAT IV 300V  
 Replacement Part : TSG-3 test leads, TC-10 carrying case  
 Resistance Measurement : 600, 6k, 60k Ohms  
 Standard : CAT III, C/US UL Listed, CE  
 True Power : AC True RMS  
 Voltage Measurement : 600 Volts AC/DC



**GR-CM-660**

GR-CM-660 Clamp Meter; 600A



**Greenlee CM-1350 Clamp Meter** has a range of 1000A AC/DC True RMS current and 750V AC & 1000V DC voltage. Also measures frequency & resistance. Peak and data hold to capture measurement. Audible continuity test. Backlit display for use in low light conditions. Includes case, test leads, and batteries. Lifetime limited warranty.

GR-CM-1350 Clamp Meter; 1000A AC/DC True RMS



**GR-CM-1350**

## CURRENT &amp; VOLTAGE DETECTORS



GR-GT-16

**Greenlee GT-16 Adjustable Voltage Detector** safely detect power and low voltage without touching the bare conductor (5 - 1000 VAC). Adjustable for use on power wiring plus lighting, thermostats and other low voltage circuits. Use to detect voltage in outlets, lighting fixtures, wires and cables. Identifies hot and neutral conductors as well as finding breaks in wires. Low battery indication. AAA battery Included.

GR-GT-16 Adjustable Voltage Detector; 5-1000 VAC



FL-TIC-300-PRO

**Amprobe TIC 300 Pro is a Non-Contact, High Voltage Detector** that verifies the presence of voltage in low, medium and high voltage test applications up to 122 kV without contacting the energized conductor. Alert provides bright visual and loud audible indication when used in close proximity to an energized line. High voltage setting for checking transmission lines, power distribution equipment, down power lines, fuses, and load break connectors. Lower voltage setting for checking voltage presence in breaker panels, breakers, power outlets and wiring. High voltage detector verifies presence of voltage from 30 VAC to 122,000 VAC (122kV). Push button functionality for ease of use with PPE gloves. Self-test verifies that tester works properly. Ergonomic design with a convenient handle with universal attachment. Case Included.

FL-TIC-300-PRO High Voltage Detector



HD-VW-20

**HD Electric V-Watch Personal Voltage Detectors** detect the strong electric fields surrounding high voltage conductors and power distribution equipment. The small pocket size device worn on the outside of the clothing or other protective gear by users operating near power lines or high voltage equipment. In emergencies, you and your crews can move in safely to quickly restore power to your customers. The V-Watch is available in both a standard model and a pro model with a mute feature. Each comes in a tough nylon carrying case lanyard that is worn around the neck during use.

HD-VW-20 V-Watch  
HD-VWP-20 V-Watch Pro





**Salisbury Voltage Detectors** are used to verify live or de-energized conductors. These testers may be used with rubber insulating gloves or hot sticks using the splined universal end fitting. Testers indicate the presence of voltage with an extra bright LED light and a distinctive audible signal. It is recommended that the tester be moved closer to conductor until warning is indicated, or it touches conductor, apparatus, or test point. Test the unit on a nearby energized conductor. Detectors are available in two ranges: 240V-230kV and 240V-500kV. Kit includes detector, case and shotgun adapter. Each tester requires three "C" batteries (included).

SA-4244 Detector; 240V-230kV  
SA-4356 Kit; 240V-230kV  
SA-4344 Detector; 240V-500kV  
SA-4367 Kit; 240V-500kV



SA-4244

**SALISBURY**

by Honeywell

**Bierer AV-40 Voltage Indicator** provides an audible and visual alarm to indicate the non-contact presence of voltage, with an operating range from capacitive test points / secondary voltage to 40kV (Line to Ground). Activation threshold meets ASTM requirements. Can be used as a stand alone voltage detector without second probe. Underground & overhead applications. Calibrated threshold is minimum approach distance for each overhead setting. Meter assembly is over voltage protected. Incidental direct contact will not damage the unit. Watertight construction. Super bright LEDs and ultra loud horn. Built in test position. Standard universal/grip-all adapter is included with every unit. Includes a universal/grip-all, instruction manual and a storage bag.

BI-AV-40 AV-40 Kit



BI-AV-40

**Bierer VIAV-300 Voltage Indicator** provides an audible and visual alarm to indicate the non-contact presence of voltage. Detects 0 to 300kV Line to Ground (0 to 500kV Phase to Phase). Activation threshold meets ASTM requirements. Can be used as a stand alone voltage detector without second probe. Underground & overhead applications. Calibrated threshold is minimum approach distance for each overhead setting. Meter assembly is over voltage protected. Incidental direct contact will not damage the unit. Watertight construction. Super bright LEDs and ultra loud horn. Built in test position. Standard universal/grip-all adapter is included with every unit. Includes a universal/grip-all, instruction manual and a storage bag.

BI-VIAV-300 AIAV-300 Kit



BI-VIAV-300

# CURRENT & VOLTAGE DETECTORS



**HD Electric TAG 200 Electronic Voltage Detectors** is an electronic voltage detector designed for detecting both distribution and transmission voltages. These direct contact type detectors emit both audible and visual indications when placed in contact with an energized conductor. TAG's are designed for overhead applications, but can be adapted for underground use with optional underground bushing probes. Polycarbonate housing for heavy field use. Water resistant. All-Check self testing system. No on/off or range selector switches. Built-in universal spline for hotstick attachment. 9V alkaline battery operated. Carrying case included.

HD-TAG-200 TAG 200



URD Probe



CH-C4031140

**Chance Multi-Range Voltage Detectors (MRVD)** confirm that a line is de-energized prior to performing maintenance on it. Actually a field intensity meter, the MRVD is calibrated to read approximate line-to-line voltage when connected to any phase conductor. It responds to the magnitude of the field gradient between its end probe and floating electrode (at the universal hotstick-attachment fitting). If the universal fitting is close to a ground, another phase or another voltage source, the reading should tend to be high; if it's close to a jumper or equipment of the same phase, the reading should be low. The MRVD gives metered readout capable of distinguishing actual line voltage from static or feedover from an adjacent line. Readings from an MRVD can be compared with numerical certainty rather than the subjective judgments associated with "fuzz-sticking" or "glow-detecting." Since the MRVD is not a voltmeter, no specific accuracy is claimed by the manufacturer or can be assumed by the user. Available in two ranges. 1-40kV MRVD includes straight probe and "TP" setting on selector switch for testing URD elbows with test points, hook probe for overhead uses and case. 69-600kV MRVD includes hook probe for overhead uses and case.

CH-C4030979 1-40kV MRVD  
CH-C4031140 69-600kV MRVD





**Bierer VDA040P Analog Voltage Detector** detects 0-40kV line to ground (0-69kV Phase to Phase). Proximity or direct contact on overhead and underground systems. Easy to read analog scale. Detect voltage from the ground on bare overhead lines when hand held. Test secondary voltage on bare or insulated cables. Test capacitive test points. Detector indicates line to ground values for nominal or induced voltages. 5 - position selector switch is calibrated for height above ground to compensate for a capacitive coupling effect. Shielded to minimize stray field interference. Detector includes overload protection up to 500kV. Internal backlight available for night use. 15kV/25kV/35kV bushing adapters are available for underground use up to 35kV. Water resistant. Each kit contains a straight probe, hook probe, instruction manual, padded carrying case.

BI-VDA040P VDA040P; 0-40kV



**Bierer VDA0300 Analog Voltage Detector** extremely wide and high voltage range for a single voltage detector. 2.4kV - 300kV Line to Ground (4kV - 500kV Phase to Phase) Voltage Range. For use with overhead transmission, distribution and URD Applications. Meter is passive, battery is only required for the test position. A linear/logarithmic scale for better resolution from distribution to transmission systems. Meter is designed to read approximate nominal or induced voltage line to ground. Easy-to-use detector requires no voltage scale selectors or multipliers. Meter is water resistant and a strong construction to withstand wear. Each kit contains a straight probe, hook probe, instruction manual, padded carrying case.

BI-VDA0300 VDA0300; 2.4-300kV



**Bierer VDA0450 Analog Voltage Detector** widest and highest voltage range available in a single voltage detector. 2.4kV - 450kV Line to Ground (4kV - 765kV Phase to Phase) Voltage Range. For use with overhead transmission, distribution and URD Applications. Meter is passive, battery is only required for the test position. A linear/logarithmic scale for better resolution from distribution to transmission systems. Meter is designed to read approximate nominal or induced voltage line to ground. Easy-to-use detector requires no voltage scale selectors or multipliers. Meter is water resistant and a strong construction to withstand wear. Each kit contains a straight probe, hook probe, instruction manual, padded carrying case.

BI-VDA0450 VDA0450; 2.4-450kV



BI-VDA040P

# CURRENT & VOLTAGE DETECTORS

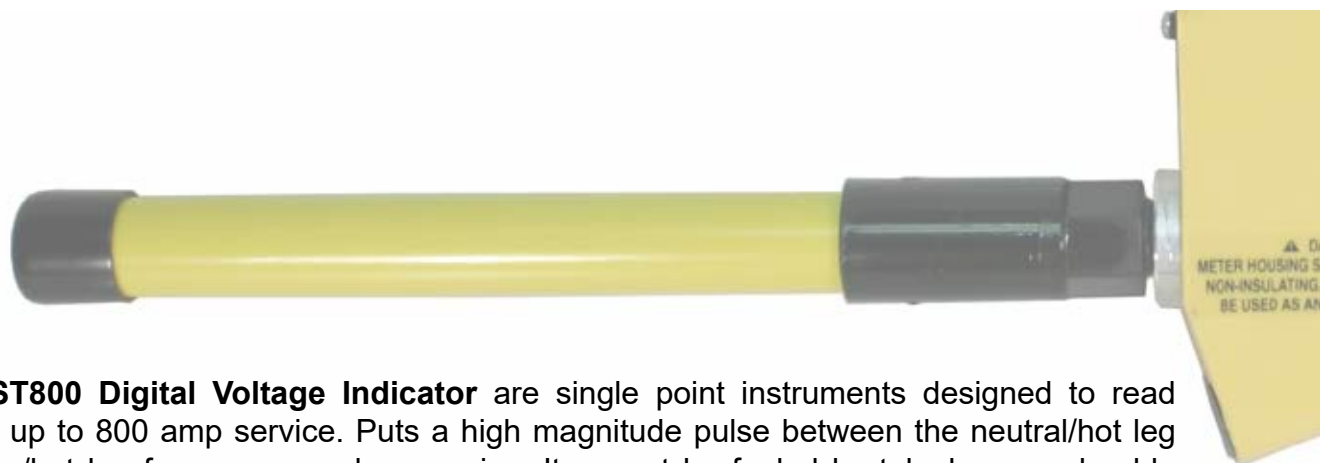


**HD Electric DVI-500 Digital Voltage Indicator** are single point instruments designed to read the voltage on a conductor up to 500kV line-to-ground. The large LED readout is easy to read on the end of a long hotstick and can be used on overhead lines or in underground applications with an underground bushing probe. There are two DVI-500 models. The DVI-500 indicates voltage from 0.1kV - 500kV on overhead and underground systems - displaying the voltage on a large 3-digit LED display. The DVI-500T with Test Point Mode has the added feature of indicating voltage on elbow test points. The DVI displays the voltage and emits an audible alarm when voltage above 100VAC is detected with no range selector switches or settings to be made - just contact the conductor and read the display. This allows the user to determine if the voltage being read is nominal or a lower induced voltage.

HD-DVI-500 Digital Voltage Indicator



HD-DVI-500



**Bierer ST800 Digital Voltage Indicator** are single point instruments designed to read voltages up to 800 amp service. Puts a high magnitude pulse between the neutral/hot leg or hot leg/hot leg for any secondary service. It cannot be fooled by telephone and cable television bonding often missed by continuous loading devices. Identify bad conductor(s) from the transformer to the meter base. Indicate integrity of neutral conductor to prevent excessive house ground currents. Locate both hot legs and neutral at the pedestal and/or transformer blocks. Locate bad connectors on overhead spans. Identify de-energized URD Primary cable in a manhole or ditch. The large LED readout is easy to read.



BI-ST800 Service Tester, 800 amp



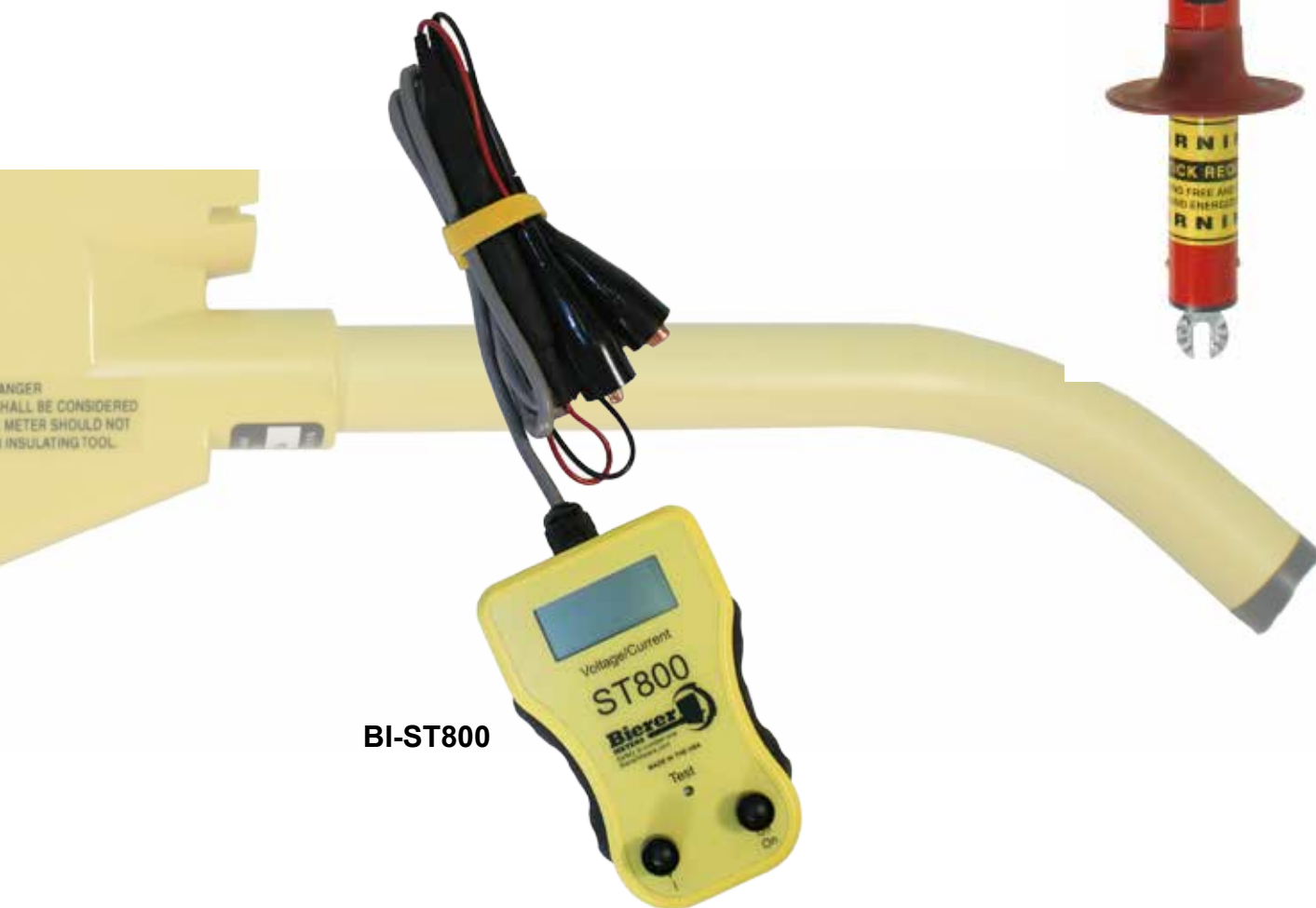
**HD Electric HALO II® High Voltage Digital Ammeter** is for use on power distribution systems designed to take True RMS AC current measurements. Its open-core design allows the user to quickly hook it over a conductor from the end of a hotstick and obtain a current reading in amperes. The HALO can be used to take spot load measurements on a single phase, as well as take readings on all three phases to determine load balance. The HALO II includes the peak-hold mode and also a tracking mode that allows the user to view continuous changes on the display. The unit can be used on any voltage up to 69kV system voltages. Fork-style sensing head. The HALO can be used over insulated cable. However, it cannot be used over shielded cable, such as the concentric neutral.

High Voltage Ammeter Features:

- For use on voltages up to 69kV class (40kV line-to-ground)
- True RMS reading instrument
- 0-2000 amp auto-ranging LCD display
- Track and peak-hold modes available
- Hook or fork style sensing heads
- Universal spline for standard hotstick attachment
- Powered by a field replaceable 9V alkaline battery
- Auto shut-off

HD-9391 High Voltage Digital Ammeter

HD-9391



BI-ST800

## VOLTAGE BREAK DETECTOR



BI-VBI-15



**Bierer VBI-15 Direct Contact Voltage Break Indicator** provides an audible and visual alarm to indicate the absence of voltage, with an operating range from 7.2kV to 20kV (Line to Ground). An array of lights and an audible alarm to give the user a quick and clear indication that the overhead line has dropped below the threshold value of 2.5kV. Used by all forms of electrical entities; investor owned utilities, municipalities, cooperatives, contractors, etc. to track outages by individual crews at their location on the system. Overload protected to 115kV for your safety. SAIDI and CAIDI ratings improve by quicker outage response time. Water Resistant for inclement weather use. Includes a hook probe, instruction manual, storage bag.

BI-VBI-15 VBI-15 Kit



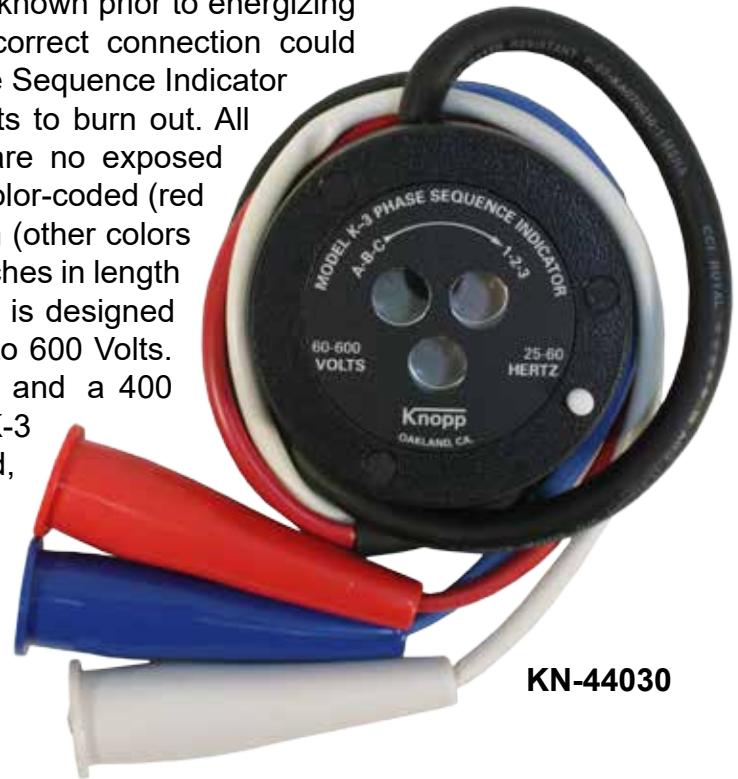
APT-1

**HD Electric APT-1 Active Power Tester** is designed to give an indication when the absence of full line voltage is detected on overhead conductors, giving an audible and visual alert. The APT-1 is for use on uninsulated overhead conductors with voltages from 7.6 to 13.2kV line-to-ground. Lets the worker know whether the overhead voltage has been disconnected prior to working on the line. Clampstick installed. Audible indication and flashing light when the absence of voltage is detected on the line. 9V alkaline battery Included.

APT-1 Active Power Tester

**Knopp K-3 Phase Sequence Indicator** is used to determine the phase sequence (A-B-C or C-B-A) of three-phase voltages. (A-B-C is clockwise rotation) It is important that phase sequence is known prior to energizing electrical motors and other equipment, as incorrect connection could cause damage to the equipment. The K-3 Phase Sequence Indicator is of the rotating-disk design; there are no lights to burn out. All internal connections are soldered and there are no exposed metal parts on the housing. Its three leads are color-coded (red (A), white (B), and blue (C)) for easy connection (other colors are available upon request). The leads are 36 inches in length (other lengths available upon request). The K-3 is designed for operation from 25 to 60 Hertz and from 60 to 600 Volts. Other models (including a panel-mount version and a 400 Hz. version) are available. A description of K-3 variations can be found by clicking [here](#). A rugged, nylon carrying case is available as an option.

KN-44030 Phase Sequence Indicator



KN-44030

**Sperry Instruments Phase Sequence and Open Phase Indicator** is designed verify proper wiring and connection in 3-phase motor applications. Visual rotation indication. Color coded insulators over alligator clips for increased protection. Shock resistant plastic housing. LED indication of phase wiring. Compact design and lightweight for easy handling. Withstands 5500AC voltage for 1 minute. Broad Operating Range: AC Voltage 110-600V.

SPE-PSI8031 Phase Sequence Indicator



SPE-PSI8031

# VOLTAGE PHASING METERS



**Chance Analog Phasing Testers** easily determine phase relationships and approximate voltage, line-to-line or line-to-ground. Each tester consists of two fiberglass poles with end fittings threaded for interchangeable probes. The probe fittings couple with a high-impedance component encased in each pole. To complete the test circuit, a 22-foot length of insulated flexible cable stores on the reel affixed to one pole and connects to the voltmeter on the other pole.

Simple to operate, the tester poles first attach to two 6-foot Epoxiglas® insulating universal handles (included in each kit for proper working clearances). Then the probes can be brought into contact with the conductors appropriate for the meter to read phase-to-phase or phase-to-ground voltage. 16kV tester can easily be adapted to 48kV applications by adding a pair of 48kV extension resistors.

CH-H18761	16kV Analog Phasing Set
CH-H18764	48kV Extension Resistors, Pair
CH-C4031762	DC Hi-Pot Adapter, 16kV
CH-C4031763	DC Hi-Pot Adapter, 35kV
CH-T4030856	Elbow Adapter
CH-T4030857	Bushing Adapter



CH-H18761

CH-T4030857



CH-C4031762





**Hastings Digital Phasing Meters** are used for measuring overhead and underground voltages. The meters are available in two voltage ranges; 0-20kV and 0-40kV. The 20kV meter can be extended up to 80kV by adding additional 20kV rated pairs of extension resistors. The 40kV meter can be extended to 240kV by adding additional 40kV rated pairs of extension resistors. Digital display reads in kilovolts and has lighted background if needed. The coiled cable is 16" when retracted and 10' when fully extended. Kit includes digital volt meter, conductor hooks, carrying case, 9V battery and instructions.

HA-6706	0-20kV Digital Volt Meter
HA-6712	20kV Extension Resistors
HA-6702	0-40kV Digital Volt Meter
HA-6703	40kV Extension Resistors
HA-6702-1	15/25kV Loadbreak Bushing Adapter
HA-6702-3	35kV Loadbreak Bushing Adapter
HA-6702-2	DC Hi-Pot Adapter
HA-6769	Phase Tester



HA-6702

HA-6702-2

HA-6702-1

HA-6702-3



## VOLTAGE PHASING METERS



**Bierer Analog Phasing Meters** are unique tools that may be used as a conventional phasing meters, or the meter probe may be used as a stand-alone voltage detector on primary or secondary voltages or capacitive test points. Available in 25kV or 35kV ranges which can be used as a stand-alone voltage detector without the second probe or a conventional phasing meter for overhead and URD applications. Phase capacitive test points. A large easy to read analog meter. Meter housing is completely shielded to minimize stray field indications. An insulated (35kV) interconnect cable with second probe. Each probe is impact and water resistant. Meter is stored in a highly durable padded carrying case.

The 5-Position Selector Switch Consists of:

- C - Indicates the Voltage on Capacitive Test Points
- CP - Phases Using Capacitive Test Points
- L - Detects Voltage on Overhead and Underground Lines
- LP - Phases on Overhead and URD Primary Systems
- BT - Tests Internal Meter Circuitry by Using Internal Battery Voltage, Meter should Deflect Full Scale

Each kit comes standard with a straight probe (BI-81280LPM), hook probe (BI-81280LHM), 8ft. interconnect cable (BI-81280ML), 8ft. extension cable (BI-81280FL), 3kV power supply (BI-PA25T), 6VDC battery (BI-81280B1), instruction manual, padded storage case (BI-PA25B).

BI-81280 25kV Analog Phasing Set  
BI-83280 35kV Analog Phasing Set



BI-81280





# VOLTAGE PHASING METERS

**Bierer PD Series® Digital Phasing Meters** are all-in-one phasing voltmeters with numerous applications. The PD Series® is designed to replace numerous other meters that feature a single range and/or perform a single function. Available in two multiple Ranges: 2kV, 20kV, 25kV or 2kV, 20kV and 50kV. Measures AC or DC voltage with unbelievable precision and accuracy (+/- 1% ). May be used on primary or secondary voltages or capacitive test points. Large (3/4") LCD digital meter with backlight. Shielded water resistant housing for meter and second probes. Shielded Interconnect Cable, insulated 35kV to Ground. Interconnect Cable Lengths up to 100ft. Functions:

- Capacitive Test Point Phasing Meter
- Regulator Neutral Detector
- Measure True RMS Voltages
- Commercial/Industrial Meter
- Phasing or Measuring Secondary Voltages, Replacing 600V Voltmeters
- Conventional Phasing Voltmeter for Overhead and URD Systems from 0-25kV or 0-50kV Phase to Phase
- DC and Multiple Frequency AC up to 400Hz
- High Line Resistive Voltmeter\*
- Phase Sequence/Rotation Meter\*
- DC Leakage Tester\* (lightning arrestor tester)
- Hi Pot URD Cable\*
- DC Cable Tracer\*
- \* Optional Adapter Required

Each kit comes standard with a straight probe (BI-81280LPM), hook probe (BI-81280LHM), 8ft. interconnect cable (BI-81280ML), 8ft. extension cable (BI-81280FL), 3kV power supply (BI-PA25T), 6VDC battery (BI-81280B1), instruction manual, padded storage case (BI-PA25B).

BI-PD-25 25kV Digital Phasing Set  
BI-PD-50 50kV Digital Phasing Set



BI-PD-25

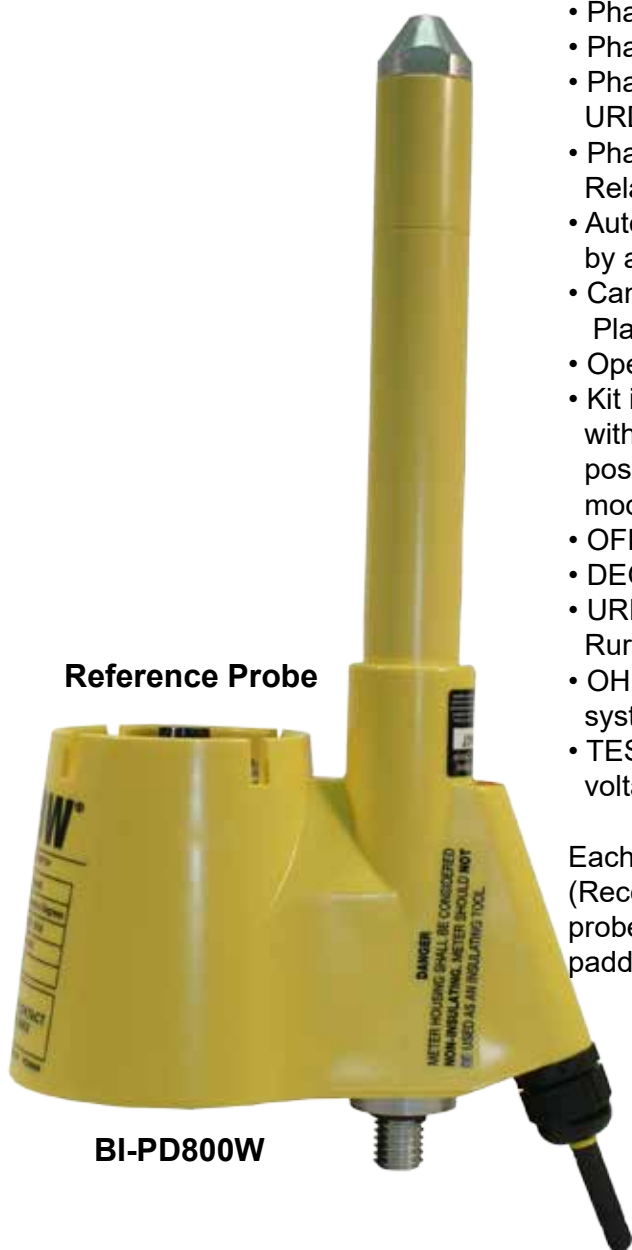
# VOLTAGE PHASING METERS



**Bierer PD800W Cordless Phasing Tester** accurately and easily operates in multiple applications including phasing, voltage detection, phase sequencing and phase angle indication. Exclusive, FCC licensed wireless technology of the PD800W cordless phasing tester. Designed for three-phase secondary systems, capacitive test points, URD systems and overhead and transmission/substation systems. Operates like a conventional phasing tester, but does not require an interconnecting cable or extension resistors. Each probe is water resistant and is completely shielded to minimize stray field interference. Easy-to-Read digital display with backlight and high intensity LED lights.

- Meter Probe Can be used as a Voltage Detector Showing Approximate Voltage, in the URD or OH Position, or with Reference Probe up to 69kV to Ground
- Cordless Phasing Tool Direct Contact from 120V - 69kV, Distribution Systems
- Cordless Phasing Tool (Degree Position Only) Non-Contact from 69kV - 800kV, Transmission/Substation Systems
- Phase URD Systems
- Phase Capacitive Test Points on URD Elbows
- Phase by Using the Phase Sequence Indicator Lights in URD and OH Positions
- Phase Angle Indicator, Showing Actual Phase Angle Relationship in Degrees, in the Degree Position
- Automatically Alerts User of a Delta/Wye Transformation by an Indicator Light Blinking
- Can be Used to Tie Utility Systems and Cogeneration Plants Together
- Operating Range of 100ft.
- Kit is Stored in a Highly Durable Carrying Case Padded with Foam
- Reference Probe and Meter Probe have a five-position selector switch that controls different operating modes.
- OFF - Power off for storage
- DEG - For phase angle measurements from 208V to 800kV
- URD - For phasing and voltage detection on Underground Rural Distribution systems from 4Kv - 35Kv.
- OH - For phasing and voltage detection on overhead systems from 4kV - 69kV
- TEST - Tests internal meter circuitry and displays battery voltage

**Reference Probe**



**BI-PD800W**

Each kit contains a Reference Probe (Transmitter), Meter Probe (Receiver), one straight probe adapter (BI-81280LPM), one hook probe adapter (BI-81280LHM), instruction manual, all stored in a padded case (BI-PD800B).

BI-PD800W 800kV Cordless Phasing





# VOLTAGE PHASING METERS



**Bierer Phasing Ranger 1** is a revolutionary phase identification device. No other phase identification device is easier to use when it comes to determining actual phase relationship in the field. All readings are Real Time readings, there are no calculations to be made or data to be transferred from one location to another.

This Smart Grid Technology requires a One Time set-up procedure and then allows the user a permanent and reliable means of phasing, phase ID, mapping and tagging or general troubleshooting.

The complete Phasing Ranger 1 kit comes complete with a Send Unit, Receive Unit, Meter Probe, Auto Answering Device, GPS receiver, Trac-Fone, all of the necessary cables, one straight probe (BI-81280LPM), one hook probe (BI-81280LHM), instruction manual and two durable padded carrying cases (BI-PD800B).

Meter Probe



BI-PR1COMP Phasing Ranger Kit



Phase Ranger

BI-PR1COMP



# GROUND RESISTANCE TESTERS



**GR-CMGRT-100**

**Greenlee Ground Resistance Tester** is a Clamp-Onhand-held testing device intended to evaluate grounding systems. It has two modes: Active Mode for measuring resistance and Passive Mode for measuring current. The Active Mode induces a voltage into a conductor and measures the resulting current. It then calculates the resistance. The Passive Mode senses the electromagnetic field surrounding a conductor to determine the current flow. A test resistance loop is provided to perform a quick check of the unit

- Reads ground resistance down to 0.10
- Fully autoranging with data hold to capture readings
- Convenient alarm and 99-point memory functions
- Measures up to 30A RMS ground or leakage current
- Measures currents down to 1mA
- Accessories included: (1) 9V battery, molded carrying case, test resistance loop
- Lifetime Limited Warranty

**GR-CMGRT-100 Ground Resistance Tester**



**BI-GRT1000**

**Bierer GRT1000 Ground Resistance Tester** is a major breakthrough for a traditional ground resistance tester. The transformer induces a voltage on the conductor while the other transformer provides a current measurement through the loop allowing a resistance measurement to be displayed. It is widely needed in the power, telecommunications, meteorology, oilfield, construction, industrial and electrical utility industry. For a loop grounding system, the operator can measure the ground resistance and test for continuity without having to break down the grounding wire, or use auxiliary electrodes (sometimes referred to as "stakes"). The clamp head is specially designed to reduce calibration errors by increasing the clamp pressure and the robust design of the transformers. Unit comes standard with test clip, instruction manual, padded storage case.

**BI-GRT1000 Ground Resistance Tester**



HA-6799

**Hastings Hot Stick Tester** tests tools wet or dry. The tester meets OSHA 1910.269 for testing "in service" tools (wet test) and new tools (dry test). The tester has a selector switch for wet or dry tests and a dual range scale which gives the operator leakage current values in microamps. Utilizing a 2,500 volt output, the meter is calibrated to indicate the leakage values that would be present if 75 KVAC were applied to a 12 inch section of the fiberglass tool for the wet test and 100KVAC per foot for the dry test. Portable and lightweight for easy use. 120 volt system. The tester is designed to protect the operator while in use. The tester comes complete with a padded carrying case and directions for proper use. A testing bar is also provided to ensure the tester is working properly. Application and training video included with purchase.



HA-6799 Hot Stick Tester



**Bierer GT Series Grounding Assembly Testers** provide quality testing for personal protective grounding assemblies. Designed to provide integrity testing of the electrical characteristics of portable protective grounding assemblies. Provides a reliable test by administering Rated ASTM Current up to 400 Amps through the grounding assembly and measuring the voltage drop across the assembly. The voltage drop in conjunction with a thorough visual inspection determines if the grounding assembly meets ASTM electrical specifications. Housed in a sturdy carrying case. Each unit is compact, weighs approximately 60 pounds and quickly confirms the condition of an entire grounding jumper assembly. It is easy to operate and can be set up for testing in a matter of minutes by qualified lab or field personnel.

- Powered by conventional 115VAC outlet rated at 20 amps or higher
- Variable transformer allows ASTM continuous current to be applied to cable
- Compact and easy to read reference chart
- Optional voltmeter (suffix VMA) addition allows for troubleshooting clamp and ferrule connections
- Easily converts for testing elbows, bushings, mechanical jumpers, substation clamps, truck grounds and cluster grounds
- Optional adapters are available for special applications.

Unit comes standard with ball stud electrode (BI-817542), plain electrode (BI-817600S), tightening pin (BI-GT400SP), instruction manual.



BI-GT400HDXL	Grounding Assembly Tester, 400 AMP
BI-GT400HDXLVMA	Grounding Assembly Tester, 400 AMP w, Volt Meter
BI-GT600VMA	Grounding Assembly Tester, 600 AMP w, Volt Meter

BI-GT400HDXLVMA



## SIGNS



**Bone Safety Traffic Signs** are available in Premium Mesh (PMS), Non-Reflective Vinyl (NRV), Standard Reflective Vinyl (SRV) and Diamond Grade <sup>TM</sup> Reflective Material (DGS). The premium mesh is constructed with true fluorescent orange. The breathable mesh is flexible and mildew resistant. The non-reflective fluorescent signs are suitable for daytime maintenance and construction operations. The Hi-Intensity standard reflective is designed for work zones and emergency traffic control. The diamond grade material is a visible activated fluorescent wide angle prismatic lens reflective sheeting, that is designed for the production of roll up traffic control signs used in construction work zones. The diamond grade material has a higher night time and day time brightness than standard glass bead lenses. All materials are available with standard legends for temporary work zones. **Must choose sign grade material (PMS, NRV, SRV, DGS and add to end of part number when ordering).**



**All SafeZone Series Sign Stands** come with patented Auto-Latch mechanism, unless Universal Bracket is requested. The advantage of Auto-Latch is the speed in which the sign is attached and released from the stands.

- Crash Design Breakaway Base, Exclusive QuickRelease System for all modular attachments and accessories.
- Compact and Lightweight
- Bright Orange, UV Stabilized, Powder Coated Legs, for Safety, Durability & Visibility
- Pull Pin and Kick Release for fast setup by hand or foot
- Simple Nut & Bolt Construction allows for fast repairs using basic hand tools
- Readily available Replacement Parts or Assemblies
- 3 Height Adjustments on Legs for Use on Uneven Terrain
- Skid Resistant Rubber Feet



BO-SZ-412-SUB

BO-SZ-412-SUB STAND  
BO-SZ-412-S STAND WITH AUTO-LATCH



BO-48X48-BPTS-	48" X 48";Be Prepared to Stop
BO-48X48-FA-	48" X 48";Flagman Ahead
BO-48X48-FAS-	48" X 48";Flagman Ahead Symbol
BO-48X48-LCA-	48" X 48";Lane Closed Ahead
BO-48X48-RLCA-	48" X 48";Right Lane Closed Ahead
BO-48X48-LLCA-	48" X 48";Left Lane Closed Ahead
BO-48X48-MR-	48" X 48";Merge Right
BO-48X48-ML-	48" X 48";Merge Left
BO-48X48-MS-	48" X 48";Merge Symbol Combo
BO-48X48-OLRA-	48" X 48";One Lane Road Ahead
BO-48X48-OLCA-	48" X 48";One Lane Closed Ahead
BO-48X48-LEMR-	48" X 48";Lane Ends Merge Right
BO-48X48-LEML-	48" X 48";Lane Ends Merge Left
BO-48X48-SCA-	48" X 48";Shoulder Closed Ahead
BO-48X48-RSC-	48" X 48";Right Shoulder Closed
BO-48X48-LSC-	48" X 48";Left Shoulder Closed
BO-48X48-MW-	48" X 48";Men Working
BO-48X48-WS-	48" X 48";Workers Symbol
BO-48X48-PLO-	48" X 48";Power Lines Overhead
BO-48X48-RCA-	48" X 48";Road Closed Ahead
BO-48X48-RWA-	48" X 48";Road Work Ahead
BO-48X48-ERW-	48" X 48" End Road Work
BO-48X48-UWA-	48" X 48";Utility Work Ahead
BO-48X48-UW500-	48" X 48";Utility Work 500'
BO-48X48-UW1000-	48" X 48";Utility Work 1000'
BO-48X48-UW1500-	48" X 48";Utility Work 1500'
BO-48X48-EUW-	48" X 48";End Utility Work
BO-48X48-UCA-	48" X 48";Utility Construction Ahead
BO-48X48-UC500-	48" X 48";Utility Construction 500'
BO-48X48-UC1000-	48" X 48";Utility Construction 1000'
BO-48X48-UC1500-	48" X 48";Utility Construction 1500'
BO-48X48-CA-	48" X 48";Construction Ahead
BO-48X48-EC-	48" X 48";End Construction
BO-48X48-MA-	48" X 48";Mowing Ahead
BO-48X48-EMZ-	48" X 48";End Mowing Zone
BO-48X48-TWA-	48" X 48";Tree Work Ahead
BO-48X48-T.E.H-	48" X 48";Trucks Entering Highway



***Must choose sign grade material (PMS, NRV, SRV, DGS and add to end of part number when ordering).***

# FLAG & CONES



**Bone Traffic Flags** stand out in Hi-Viz orange and are made with tear-proof PVC/nylon. 18" x 18", with 24" wooden dowel.

BO-SIG-FLAG-WD18 24" Dowel w/ 18"x18" Flag



**JBC RS Series Traffic Cones** are constructed with 100% injection molded PVC. The recessed collar has a contoured design to allow for easier nesting. The fluorescent Orange or Lime is ultra violet stabilized for long lasting high visibility. The highly durable base is constructed from 100% recycled rubber. Available in 18", 28" and 36" heights with optional weighted bases. Available with 3M™ 4" and 6" reflective collars. \*36" 12lb. cones meet all Florida DOT requirements and are available with stenciled approval number embossed on cone. Also available with stencil or silk screened corporate logo.

JB-RS70032CT-O	RS;Orange, 28", 7 lbs.
JB-RS70032CT-L	RS;Lime, 28", 7 lbs.
JB-RS70032CT3M64-O	RS;Orange, 28" w/ Reflective Collars, 7 lbs.
JB-RS70032CT3M64-L	RS;Lime, 28" w/ Reflective Collars, 7 lbs.
JB-RS90045CT-O	RS;Orange, 36", 10 lbs.
JB-RS90045CT-L	RS;Lime, 36", 10 lbs.
JB-RS90045CT3M64-O	RS;Orange, 36" w/ Reflective Collars, 10 lbs.
JB-RS90045CT3M64-L	RS;Lime, 36" w/ Reflective Collars, 10 lbs.
JB-RS90055CT3M64-O	RS;Lime, 36" w/ Reflective Collars, 12 lbs.
JB-RS90055CT3M64-L	RS;Orange, 36" w/ Reflective Collars, 12 lbs.

# LET'S WORK TOGETHER

**WE WILL LISTEN, RESPOND &  
DELIVER SOLUTIONS**

- **EQUIPMENT**
- **SERVICE**
- **PARTS, TOOLS AND ACCESSORIES**
- **AUGER TOOLING**
- **MOBILE FIELD SERVICE**
- **TECHNICAL SERVICES**
- **TRAINING**

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**[www.terex.com/utilities](http://www.terex.com/utilities)**

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