



UTILITY SOLUTIONS

Lineman driven. Field proven.®



Manufacturer of
HOT LINE TOOLS



Phone: 828-323-8914
www.utilitysolutionsinc.com

Utility Solutions was founded in 1990. We design and manufacture hot line tools and products for the electrical power industry.

We are *Lineman driven*. Our products are *Field proven*.

- We manufacture tools and products that linemen WANT to use.
- Our product line focuses on safety, reliability and ease of use.
- Each product is designed and built to exceed industry standards and have a long and useful life.
- All products are Made in the USA.
- We are innovators in load break technology, fiberglass construction, materials selection and machining.
- Many products in this catalog were invented by linemen.
- We have the experience, resources and desire to bring new products to market quickly and efficiently.



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 **UTILITY
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Load Break Tools



LOAD-RANGER® XLT Load Break Tool

6



BREAK-SAFE® Load Break & Pick-up Tool

8



BREAK-SAFE® 600 Load Break & Pick-up Tool

10



Fuse-Safe

12

LOAD-RANGER® XLT Load Break Tool



LIGHT & BALANCED

The LOAD-RANGER® XLT Load Break Tool is specifically engineered to be light and maneuverable. The XLT-1 weighs under 5 pounds and is approximately 1 lb 3 oz lighter than the competition. The arm attachment, counter mechanism and other key components are centrally located so the weight of the tool is aligned with the hot stick attachment giving the user maximum control.

SAFE & RELIABLE

The XLT product line has higher metal-to-metal clearance when fully extended, compared to the competition. This can reduce flash-over potential. The aluminum and fiberglass components are machined to very high tolerances and are designed for long life.

EASY RESET

The XLT line is designed to be user friendly and simple to operate. The side reset button is easier than a plunger style and allows a lineman to keep their gloves on, eliminating pinched fingers.

LOW PROFILE

The low profile head enables our tool to reach switches that have animal guards installed. Our built-in counter is located in the body rather than the head allowing a smaller profile tool that is better balanced.

COMPARISON	LOAD-RANGER® USLR-XLT -1	COMPETITION	LOAD-RANGER® USLR-XLT -2	COMPETITION
MAXIMUM VOLTAGE	27 kV	27 kV	27 kV - 38 kV	27 kV - 38 kV
MAXIMUM AMPERAGE	900 AMP	900 AMP	900 AMP	900 AMP
WEIGHT	4 lb 3 oz	5 lb 6 oz	4 lb 12 oz	6 lb
COUNTER AVAILABLE	OPTIONAL	MANDATORY	OPTIONAL	MANDATORY
METAL TO METAL CLEARANCE DURING STROKE (FLASH-OVER RESISTANCE)	8.2" EST	7.1" EST	12.2" EST	10" EST
RESET FUNCTION	UNIQUE SIDE LOCATION NO PINCH DESIGN	TOP LOCATION	UNIQUE SIDE LOCATION NO PINCH DESIGN	TOP LOCATION

OPTIONS

The XLT line is offered with numerous options including a Pad Mount version, hard case, soft case, extended insulated hood and an economical non-counter version.



USLR-XLT-1



USLR-XLT-2



add "H"
for Hard Case



add "S"
for Soft Case



add "E"
for Extended Hood



add "NC"
for No Counter

The **Pad Mount** option "P" uses a uniquely designed operating arm that creates a lower profile to provide maximum clearance for the tight confines in pad gear. This option also comes standard with an extended insulated hood.



USLR-XLT-1-P

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USLR-XLT-1	UP TO 27 kV RATED, 900 AMP WITH COUNTER
USLR-XLT-2	27 kV - 38 kV RATED, 900 AMP WITH COUNTER
-S	OPTIONAL SOFTCASE
-H	OPTIONAL HARDCASE
-E	OPTIONAL EXTENDED HOOD
-NC	OPTIONAL NO COUNTER
-P	PADMOUNT ARM & EXTENDED HOOD

BREAK-SAFE® Load Break & Pick-up Tool

The BREAK-SAFE® 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**
- **CONTINUOUS CURRENT DUTY**

The BREAK-SAFE® is available in four models with either a Floating Head or a Duckbill Head:

- **15 kV / 300 amp**
- **27 kV / 300 amp**
- **38 kV / 300 amp**
- **46 kV / 200 amp**

In order to keep personnel at a safe distance, the BREAK-SAFE® is operated with an insulated fiberglass hot stick.

The Yellow Safety Lock helps prevent the tool from an unintended load break or pick-up operation.





MODEL	OPERATIONAL VOLTAGE	RATING*	WEIGHT	CLOSED LENGTH	OPEN LENGTH
USBS-15-1-PS	15 kV	300 AMP	7 lb 3 oz	24"	28"
USBS-15-2-PS	15 kV	300 AMP	6 lb 7 oz	28"	32"
USBS-27-1-PS	27 kV	300 AMP	7 lb 10 oz	28"	33.5"
USBS-27-2-PS	27 kV	300 AMP	7 lb	32"	37.5"
USBS-38-1-PS	38 kV	300 AMP	8 lb 6 oz	33"	41"
USBS-38-2-PS	38 kV	300 AMP	7 lb 12 oz	37"	45"
USBS-46-1-PS	46 kV	200 AMP	10 lb 3 oz	42.5"	53.5"
USBS-46-2-PS	46 kV	200 AMP	9 lb 9 oz	46.5"	57.5"
CONDUCTOR SIZE	#6 COPPER MIN. up to 954 ACSR (1.1" dia.) MAX.				
DIAMETER	2.5" dia.				

* LOAD BREAK, LOAD PICKUP AND CONTINUOUS CURRENTY DUTY
 PATENT NO. 6,078,008 *Other Patents Pending*

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USBS-15-1-PS	15 kV - 300 AMPS WITH FLOATING HEAD
USBS-15-2-PS	15 kV - 300 AMPS WITH DUCKBILL HEAD
USBS-27-1-PS	27 kV - 300 AMPS WITH FLOATING HEAD
USBS-27-2-PS	27 kV - 300 AMPS WITH DUCKBILL HEAD
USBS-38-1-PS	38 kV - 300 AMPS WITH FLOATING HEAD
USBS-38-2-PS	38 kV - 300 AMPS WITH DUCKBILL HEAD
USBS-46-1-PS	46 kV - 200 AMPS WITH FLOATING HEAD
USBS-46-2-PS	46 kV - 200 AMPS WITH DUCKBILL HEAD
-S	ADD OPTIONAL SOFT CASE
-H	ADD OPTIONAL HARD CASE



BREAK-SAFE® 600 Load Break & Pick-up Tool

INDUSTRY FIRST

Introducing the industry's first portable switch fully rated from 7.2 kV to 27 kV at 600 amp for all three tool functions:

- **LOAD BREAK**
- **LOAD PICK-UP**
- **CONTINUOUS CURRENT DUTY**

SAFETY

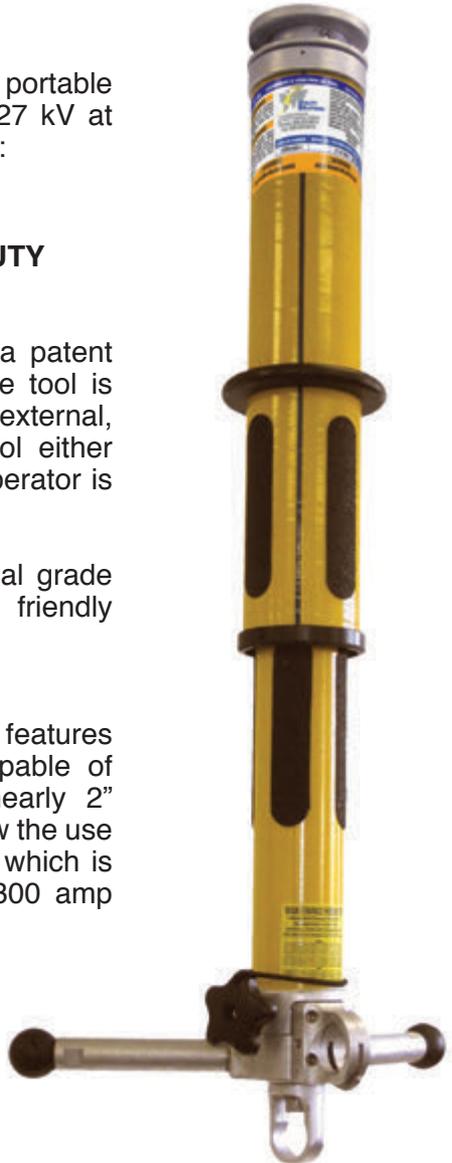
The USBS-600 is designed with a patent pending internal safety lock. If the tool is not reset the tool will not open. An external, manual locking pin keeps the tool either locked open or closed, until the operator is ready.

This tool features durable electrical grade fiberglass housings and a glove friendly design.

FEATURES

Some of the unique patent pending features include an extra large clamp capable of handling all wire sizes up to nearly 2" diameter. Dual conductor bars allow the use of two mechanical jumper clamps which is needed to go above the typical 300 amp rating of mechanical jumpers.

- **Portable Switch**
- **7.2 kV - 27 kV Range**
- **600 amp**
- **Safe & Durable**





Extra Large Clamp

	USBS-600-1
OPERATIONAL VOLTAGE	7.2 - 27 kV
LOAD BREAK RATING	600 AMP
LOAD PICK-UP RATING	
CONTINUOUS CURRENT RATING	
CONDUCTOR SIZE	All sizes up to 2" dia.
WEIGHT	10 lb 13 oz
DIAMETER	approx. 3.5" dia.
CLOSED LENGTH	33"
OPEN LENGTH	40.5"



Dual Conductor Bars

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USBS-600-1	BREAK-SAFE® 600 AMP WITH FLOATING HEAD
-S	ADD OPTIONAL SOFT CASE



Optional Soft Case

Fuse-Safe



Lightweight, Portable Protection.

The Fuse-Safe is a portable current-limiting fuse and fault protection tool. It offers better protection than temporary cutouts, and is easier to install. The Fuse-Safe can also add fault protection to our BREAK-SAFE® Load Break & Pick-up Tools.

The Fuse-Safe uses full-range current-limiting fuses from Thomas & Betts. Their fuses offer superior protection without out-gassing or expelling hot molten byproducts associated with traditional cutout fuses. Faults can generate damaging effects to both equipment and personnel. Using our temporary Fuse-Safe adds protection to any hot line work area.



Duckbill Clamp

The Fuse-Safe consists of an upper duckbill attachment and a lower conductor bar (available in 5/8" or 3/8" diameter). Both ends easily attach to any current limiting fuse using a 1/8" Allen wrench (provided).

- **Add protection when servicing a fault**
- **Add protection to our BREAK-SAFE® Tool**
- **Lower risk of fire & loud noises**
- **Lighter, quieter, safer than temporary cutouts**

Available as a single unit with or without a fuse or as a complete 3-phase kit. Visit our website for a complete list of options.

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USFS-001	FUSE-SAFE 5/8" CONDUCTOR BAR WITHOUT CURRENT LIMITING FUSE
USFS-002	FUSE-SAFE 5/8" CONDUCTOR BAR WITH FUSE INCLUDED
USFS-003	FUSE-SAFE 3/8" CONDUCTOR BAR WITHOUT CURRENT LIMITING FUSE
USFS-004	FUSE-SAFE 3/8" CONDUCTOR BAR WITH FUSE INCLUDED

Overhead Distribution



Jack Jumper™ Cutout Bypass Tool **14**



Grab-It™ Cutout Fuse Tube Remover **16**



Jumper Hook **17**



Jumper-Aid™ **18**



Jumper-T Parking Stand **19**



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Jack Jumper™ Cutout Bypass Tool



The patented Jack Jumper™ Cutout Bypass 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.



Soft Case

Safe And Simple Bypass Tool



HOW TO ORDER

ITEM NUMBER	DESCRIPTION	WEIGHT
USJJ-001-S	15 kV Cutout Bypass Tool	12 oz
USJJ-002-S	27 kV Cutout Bypass Tool	15 oz
USJJ-003-S	15 kV Chance® Load Break Cutout Bypass Tool	15 oz
USJJ-004-S	15 kV ABB Load Break Cutout Bypass Tool	15 oz
USJJ-005-S	38 kV Cutout Bypass Tool AND S&C SMD-20 15 kV Power Fuse Bypass Tool	1 lb 3 oz
USJJ-006-S	S&C SMD-20 27 kV Power Fuse Bypass Tool	1 lb 4 oz
USJJ-007-S	S&C SMD-20 38 kV Power Fuse Bypass Tool	1 lb 14 oz
USJJ-008-S	27 kV Chance® Load Break Cutout Bypass Tool	1 lb 2 oz
USJJ-009-S	27 kV ABB Load Break Cutout Bypass Tool	1 lb 2 oz

Grab-It™ Cutout Fuse Tube Remover

The patented Grab-It™ offers a safe and simple method to remove and install overhead fuse barrels. It is a spline end attachment that allows total control of a fuse barrel, even in high winds. Work smarter and prevent accidental drops with the Grab-It™.

The Grab-It™ easily attaches to any cutout. Simply sweep behind the fuse barrel, push up to engage the patented forks, then lift and remove. It works on any size hot stick, from the ground or in a bucket.

The Grab-It™ is machined from aircraft grade aluminum to provide years of trouble free operation. The Grab-It™ has no moving parts, no springs and no plastic parts to break.



1

Sweep Behind Barrel



2

Engage Patented Forks



3

Lift

	GRAB-IT-1	GRAB-IT-2	GRAB-IT-3
FUSE TUBES	100 AMP	100 & 200 AMP	SMU-20
DIMENSIONS	4.5" x 4.5" x 4"	4.5" x 4.5" x 4"	6" x 4.5" x 4"
WEIGHT	11 oz.	11 oz.	15 oz.

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
GRAB-IT-1	100 AMP CUTOUT FUSE TUBE REMOVER
GRAB-IT-2	100 & 200 AMP CUTOUT FUSE TUBE REMOVER
GRAB-IT-3	SMU-20 CUTOUT FUSE TUBE REMOVER
-F	OPTIONAL HI VISIBILITY COATING

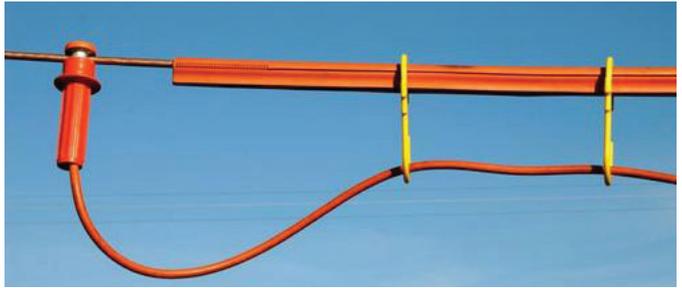


optional Hi Visibility

Jumper Hook



Control Jumpers & Eliminate Sag



Product Dimensions: 11" x 4.5" x .5"

Product Weight: 6 oz

The Jumper Hook is designed to eliminate jumper clamp sag and prevent potential cross-phasing without the use of tape, bungee cords or rope. The Jumper Hook also minimizes swaying in windy conditions.

The Jumper Hook fits over any class 2 or 3 line hose and exhibits a flash-over resistance of more than 50 kV. Multiple hooks safely cradle long jumpers in order to maintain positive control.

The Jumper Hook installs easily with a gloved hand or shotgun stick and is made of a high visibility polymer material that can handle the rigors of daily use even in cold temperatures.



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USJH-001	JUMPER HOOK (6 per pack)

Jumper-Aid™

Product Dimensions: 14" x 10" x 1"

Product Weight: 1 lb 3 oz

The patented Jumper-Aid™ supports a temporary mechanical jumper during construction or maintenance. The unique pivoting design allows each arm to rotate 360 degrees to automatically lock in place without rope, tape or wires.

The Jumper-Aid™ can support a jumper from one phase/voltage while hanging from a conductor of a different voltage/phase. It supports a mechanical jumper wrapped in an insulating rubber blanket and fits over line hose.



The Jumper-Aid™ also fits over cross arms to create a temporary hanger that holds up to 100 lbs.

- **Eliminates Tape or Rope**
- **Supports Jumpers from Different Voltage/Phases**
- **Hangs Over Cross Arms**
- **Prevents Jumper Sag**

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USJH-002	JUMPER-AID™ BLANKET & JUMPER HOLDER



Jumper-T Parking Stand

Safely Extend and Park Jumpers

Product Dimensions: 26.5" x 12"

Product Weight: 3 lb

The Jumper-T is an insulated parking stand for temporary mechanical jumpers. It is made up of a 15" foam filled fiberglass pole, aluminum parking stand and duckbill clamp.

The Jumper-T Parking Stand can combine two shorter jumpers to create extra reach when needed and is a useful accessory when used with our BREAK-SAFE® tool. Simply move the jumper from the tools parking stand and secure it onto a Jumper-T Parking Stand to create an approved visible gap.

The USJT-001 has a straight aluminum parking stand approximately 11 1/4" long and 5/8" in diameter. The USJT-002 uses a bent parking stand that is 3/4" in diameter. This allows jumpers to be clamped in both the horizontal and vertical plane. Attaching jumpers on the vertical portion of the parking stand minimizes sag and reduces the potential for cross-phasing.

The Jumper-T Parking Stand is rated for 300 Amperes Continuous Current. The duckbill clamp fits #6 copper up to 1033 MCM. All BLUE STRIPE® Fiberglass Sticks are manufactured to meet industry standards including OSHA, ASTM and IEC as applicable.



USJT-001



USJT-002

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USJT-001	JUMPER-T 5/8" DIA. STRAIGHT JUMPER BAR
USJT-002	JUMPER-T 3/4" DIA. BENT JUMPER BAR

Custom sizes available - Call your Sales Representative for details.



Duckbill top clamp

Varmint Shield

Product Dimensions:

16" / 20" diameter x .5" thickness

Product Weight: 14 oz / 1 lb 5 oz

Color: Gray or Red

The Varmint Shield is a round animal guard that installs with a hotstick. It is made from a UV stabilized and flame retardant (UL 94 V-0) polymer that can handle years of extreme weather and will not become brittle in freezing temperatures. The molded indicator markings allow a lineman to easily trim the inner tabs for a secure fit on any size insulator or bushing from 1.75" to 6".

The Varmint Shield prevents an energized connection around a bushing or insulator by forcing critters to go around a 16" or 20" guard. It works for all distribution systems and can address high voltage bushings and adjacent arrester bushings.



RUS Approved



Installs with a Shotgun Stick

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USVS-001	16" VARMINT SHIELD - GRAY
USVS-002	16" VARMINT SHIELD - RED
USVS-003	20" VARMINT SHIELD - GRAY
USVS-004	20" VARMINT SHIELD - RED



Conductor Cleaning Brush



Stick Operable Brush

The Conductor Cleaning Brush is a spring loaded shotgun attachment that offers an easier and more effective cleaning action than a simple hand held brush.

Whether by hand or when attached to an insulated shotgun stick the Conductor Cleaning Brush does most of the work by itself. The “V” throat opening on one end easily pushes over a conductor while stainless steel tension springs assure aggressive brushing action. The hook end of the shotgun stick remains engaged to allow the operator 360 degrees of brushing action on a conductor.

The Conductor Cleaning Brush is machined from a tough weather resistant polymer and includes all stainless steel hardware. Brush set replacement requires only a Phillips screwdriver.

ITEM NUMBER	CONDUCTOR SIZE	WEIGHT	REPLACEMENT BRUSH
USCC-004	3" - 11"	1 lb 3 oz	USCC-005
USCC-006	3/4"-3"	15 oz	USCC-007



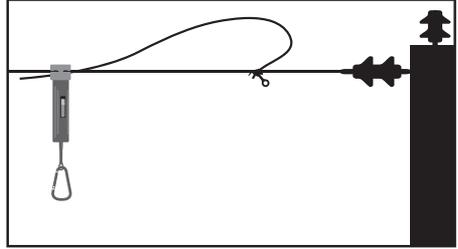
HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USCC-004	3"-11" CONDUCTOR CLEANING BRUSH <i>(includes USCC-005)</i>
USCC-006	3/4"-3" CONDUCTOR CLEANING BRUSH <i>(includes USCC-007)</i>
USCC-005	REPLACEMENT BRUSH SET FOR USCC-004
USCC-007	REPLACEMENT BRUSH SET FOR USCC-006

Tail Tamer™ - Temporary Conductor Clamp

The Tail Tamer™ (patent pending) is a revolutionary lineman invention that safely controls conductors during construction and maintenance. It is a temporary, multi-purpose hot line clamp for stringing, cutting and connecting overhead conductors.

Lineman can get more done while creating a safer work area with the Tail Tamer™.



1. Safely **hold back tail ends** of conductors when stringing new wire. Current method is usually tape.



2. **Safely cut slack conductors** (up to 200 lbs. of tension between Clamp & Carabiner) while maintaining positive control of loose ends.



3. The Double Sided Clamp **holds two conductors simultaneously**. Easily attach parallel groove and crimp connectors.
4. Functions as a **Temporary Parallel Groove Connector** rated at 300 Amps.

Features

- Double Sided Clamp
- Holds TWO Wires Simultaneously (#6 Copper up to 954 ACSR or 1.1" dia)
- Quick Release Clamp and Easy Grip Barrel
- Rated at 300 Amps
- Rated up to 200 lbs between Clamp & Carabiner (w/ 5 times safety factor)
- High Strength Tether and Carabiner Connects to Each Other, Buckets, Belts and more
- Works as a single unit or in pairs
- Only 1.5 lbs
- Patent Pending



← Double Sided Clamp →

Quick Release Button →

Easy Grip Barrel →

High Strength Tether →

Heavy Duty Carabiner →



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USTT-001	TAIL TAMER™ - TEMPORARY CONDUCTOR CLAMP (each)

Conductor Lift Snatch Block

The Conductor Lift Snatch Block is a compact, heavy-duty pulley specifically designed for construction, repairs and maintenance on overhead conductors.



Unlike imported cast blocks, the Conductor Lift Snatch Block is USA made and machined from solid aluminum. The compact design offers a 1500 pound maximum working load yet weighs only 3 lbs.

The unique spring loaded gate allows a conductor to snap in easily without latches,

locks or pins like most other blocks. The gate keeps the conductor captured until operated by a lineman and makes using the pulley easier and safer than conventional blocks.

Features

- **5 Year Warranty**
- 1500 lb. Maximum Working Load
- Up to 1500 MCM, 1033.5 ACSR, 1.25" dia Conductor
- 1 Piece Machined Aluminum Frame
- Spring Loaded Gate, stick operable
- 2.5" Machined Aluminum Sheave
- Bronze, Oil Embedded Bearing
- 1.25" Zinc-Plated Steel Lifting Eye
- 10.5" Total Height
- Only 3 lbs



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USCL-001	CONDUCTOR LIFT SNATCH BLOCK



BLUE STRIPE® Heavy Duty Ice Roller



The Heavy Duty Ice Roller is a ground-based ice removal system for overhead power lines. It can safely remove ice build-up without damage to conductors. Features:

- Machined aluminium roller head fits ice coated conductors up to 1¼" diameter
- Swivel pull ring
- 1¼" foam filled fiberglass section

All BLUE STRIPE® Fiberglass Sticks are manufactured to meet industry standards including OSHA, ASTM and IEC as applicable.



Ice Roller Head



Pull Ring

Ice Breaker - Spline End Attachment



The patented Ice Breaker offers a safe, non-impact method of ice removal. Features:

- Solid aluminum roller
- Attaches to any spline end equipped hot stick
- Accommodates up to 556.5 ACSR or 1.1" total diameter

PATENT NO. US8298343

Ice Wacker - Polymeric Ice Removal Tool



Before you destroy the end section of a hot stick attach the "Ice Wacker" and safely remove ice and debris from overhead lines and equipment. Features:

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USIR-005-CA	5' ICE ROLLER (1 SECTION)
USIR-010-CA	10' ICE ROLLER (1 SECTION)
USIR-015-CA	15' ICE ROLLER (2 SECTIONS)
USSA-IBH	ICE BREAKER SPLINE END ATTACHMENT
USSA-ASD	POLYMERIC ICE REMOVAL TOOL

- Heavy duty white polymeric material
- aluminum end attaches to any spline end equipped hot stick

Expendable Fuse Tube Caps



USCO-061



USCO-060

Utility Solutions Expendable Fuse Caps are manufactured in accordance with ANSI C37.42 design criteria concerning thread pitch and venting pressure. The Utility Solutions line of expendable caps will work on all 100 and 200 Amp expendable fuse tubes. Stamped “E” on button head signifies Expendable Cap.



USCO-062



USCO-063

The USCO-062 & USCO-063 use a “stove pipe” design which directs expelled gases vertically for close horizontal phase-to-phase construction.

	USCO-060	USCO-061	USCO-062	USCO-063
GE Durabute part number	9F34ALW032	-	9F34ALW028	9F34ALW029
A.B. Chance	W700-0345	-	-	-
ABB part number	3872A21G01	161A292H04	3872A23G01	403A062G03
Cooper part number	F024X1C	F085X1C	-	-
Kearney part number	129052	129023	-	-
Fuse Tube Amperage Type	100 Amp	200 Amp	100 Amp	200 Amp
Size	1.1" dia x 5/8" high	1.4" dia x 5/8" high	1.1" dia x 1.4" high	1.4" dia x 1.5" high
Weight	1 oz	2 oz	2 oz	3 oz

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USCO-060	100 AMP EXPENDABLE FUSE TUBE CAP
USCO-061	200 AMP EXPENDABLE FUSE TUBE CAP
USCO-062	100 AMP STOVEPIPE EXPENDABLE FUSE TUBE CAP
USCO-063	200 AMP STOVEPIPE EXPENDABLE FUSE TUBE CAP

Underground Distribution



Universal URD Wrench

28



Pad Mount Multi-Tool

29



Padmount Hex Adapter Set

30



Strip-N-Coil

31



BLUE STRIPE® Cable Hook Stick

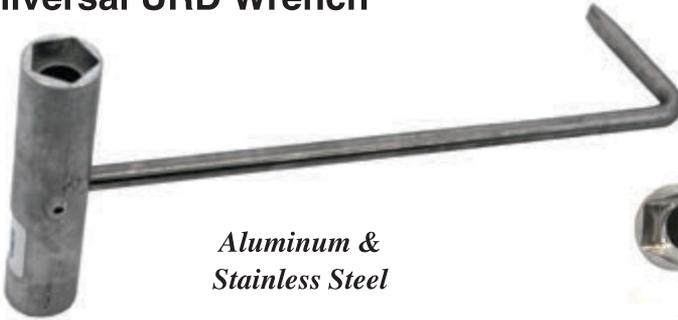
32



BLUE STRIPE® Switch Hook Stick

33

Universal URD Wrench



*Aluminum &
Stainless Steel*



Penta-head Wrench

Product Dimension: 12" x 5" x 2.5"
Product Weight: 12 oz

The Universal URD Wrench is a multi-functional tool with several utility applications.

Features include an ANSI penta-head and a standard six point 3/4" wrench on opposite ends of an aluminum "T" handle. The stainless steel shaft includes a flat head screwdriver on the end of the 90 degree hook.

- **Open pad gear locks**
- **Lift manhole covers**
- **Remove debris from pad gear locks pockets**
- **Pry open rusty pad gear doors**
- **Flat head screwdriver**
- **Penta-head and 3/4" wrench**



3/4" Hex Wrench



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USUW-001	UNIVERSAL URD WRENCH

Pad Mount Multi-Tool



Product Dimension: 10" x 6"
Product Weight: 1 lb 9 oz

The Pad Mount Multi-Tool is a heavy duty 4-way pad gear wrench that includes the most common fittings necessary for URD applications.

The wrench body is made from chrome plated cold rolled steel while each interchangeable $\frac{1}{2}$ " drive socket is secured with a set screw so they will not come loose inside a tool bin. The elongated lug wrench design can apply substantial torque to bolts located near ground level or in hard to reach locations.

Includes:

- **3/4" Socket**
- **5 Point Penta Socket**
- **9/16" Deep Well Socket**
- **Drag Link Socket**



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USMT-001	PAD MOUNT MULTI-TOOL

Padmount Hex Adapter Set



The Padmount Hex Adapter Set includes two 3/4" drivers for a 3/8" and 5/16" Allen head connector commonly used on busbars inside URD pad gear. Works with any 3/4" open-end or box-end wrenches and any type of socket drivers (ratcheting or powered).



The low profile design allows access to connectors when space is limited. Just 1/2" is exposed above the bar, while a 1/2" allen driver fully engages the connector to avoid stripping. Low profile means less chance of touching other connections or exposed metal.

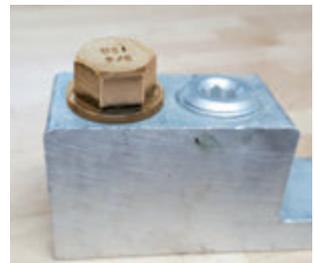
- Each adapter is made from hardened steel and chromed for long life.
- Includes one 3/8" adapter and one 5/16" adapter.
- Five Year Warranty!

Another *Lineman Idea* from Utility Solutions, Inc!



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USMT-PHA	PADMOUNT HEX ADAPTER SET



Strip-N-Coil



Product Dimension: 1.75" Dia x 7.5"
Product Weight: 6 oz

The Strip-N-Coil is a heavy duty, one-piece underground cable stripper. It is machined from solid aluminum, does not use blades and requires no adjustments.



The Strip-N-Coil uses small holes at the base to hold a single concentric neutral wire. Twisting along the cable easily cuts

the outer insulation or jacket. Once the outer jacket is removed, the Strip-N-Coil quickly twists all the concentric neutrals into a tight compact bundle using the large hook end.

The Strip-N-Coil works on underground cable from #2 through 750 MCM and operates with a 7/16" socket drive.



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USCS-001	STRIP-N-COIL

BLUE STRIPE® Cable Hook Stick



The Utility Solutions BLUE STRIPE® Cable Hook Stick enables safe and secure handling of installed underground cables. The 1¼" diameter straight stick includes a stainless steel handle and a 5" tempered steel hook. An optional Shovel Handle (-SH) is also available.

The hook is powder coated in hi-visibility safety green and is aligned with our patented BLUE STRIPE®. This alignment gives the operator a visual indication of where the hook is when submerged or in low visibility conditions.

The stick is made of high performance, closed cell foam filled fiberglass. All BLUE STRIPE® Fiberglass Sticks are manufactured to meet industry standards including OSHA, ASTM and IEC as applicable.



Stainless Steel T-Handle (standard)



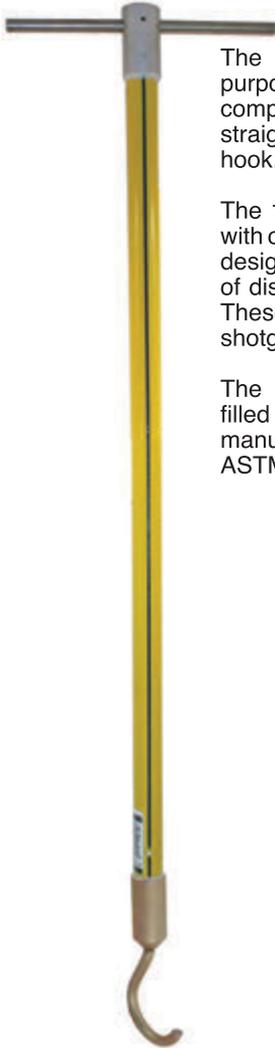
Shovel Handle -SH (optional)



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USCH-006	6 FT. BLUE STRIPE® CABLE HOOK STICK
USCH-004	4 FT. BLUE STRIPE® CABLE HOOK STICK
USCH-003	3 FT. BLUE STRIPE® CABLE HOOK STICK
USCH-002	2 FT. BLUE STRIPE® CABLE HOOK STICK
-SH	OPTIONAL SHOVEL HANDLE

BLUE STRIPE® Switch Hook Stick



The Utility Solutions BLUE STRIPE® Switch Hook Stick is a purpose built, heavy duty option for operating various switch components found inside pad mounted gear. The 1¼" diameter straight stick includes a stainless steel handle and a 3.5" steel hook.

The 1/2" diameter steel hook is dichromate coated and aligned with our patented BLUE STRIPE® feature. The stick is specifically designed for sectionalizing loadbreak switches and similar types of disconnect switches which require a large amount of torque. These applications often exceed the capabilities of traditional shotgun sticks.

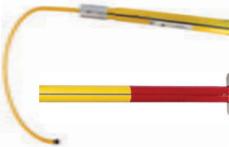
The stick is made of high performance, closed cell foam filled fiberglass. All BLUE STRIPE® Fiberglass Sticks are manufactured to meet industry standards including OSHA, ASTM and IEC as applicable.



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USSH-004	4 FT. BLUE STRIPE® SWITCH HOOK STICK

Fiberglass Hot Sticks

	BLUE STRIPE® Telescopic Hot Sticks	36
	BLUE STRIPE® Measuring Sticks	38
	BLUE STRIPE® Take-Apart Hot Sticks	39
	BLUE STRIPE® Heavy Duty Telescopic Sticks	40
	BLUE STRIPE® Heavy Duty Substation Sticks	41
	BLUE STRIPE® Shotgun Sticks	42
	BLUE STRIPE® Universal Straight Sticks	44
	BLUE STRIPE® Disconnect Head Straight Sticks	45
	BLUE STRIPE® Switch Head Straight Sticks	45
	BLUE STRIPE® Discharge Hook	46
	BLUE STRIPE® Rescue Hook	47
	BLUE STRIPE® Telescopic Range Pole	48
	BLUE STRIPE® Telescopic Stick Stopper	49
	Hot Stick Bags & Cases Case	50
	Boom Holster	51
	Hot Stick Accessories	52
	Spline Torque Bar	52
	BLUE STRIPE® Cloth & Wipes	54
	BLUE STRIPE® Hot Stick Wax & Cleaner	55

BLUE STRIPE® Telescopic Hot Sticks

SMOOTHER SURFACE

Conventional fiberglass construction uses a woven mat. This creates pockets and voids where dirt and moisture can collect. Our unique non-woven fiberglass is unidirectional which creates a smoother surface. The BLUE STRIPE® Fiberglass Hot Sticks have a lineman friendly grip, stay cleaner longer and are easier to clean and meet standards.



EPOXY RESIN

The BLUE STRIPE® Fiberglass Hot Stick line uses Epoxy resin which is the most water resistant, durable and longest lasting resin available and has superior electrical properties. Our sticks have a very high resistance to failure due to water absorption or delamination.

HIGH PERFORMANCE CLOSED CELL FOAM

Foam filled tip sections add a measure of safety by sealing the interior which prevents water from entering. Our superior Closed Cell Foam construction is durable and long lasting; extending the safety margin and strength of the stick.

EASY TIP LOCK REPLACEMENT (patent pending)



Our patent pending Easy Tip Lock Replacement feature saves time and money. Buttons can be replaced without sacrificing the entire tip section. The repair is easy enough to be done in the field so sticks stay on the job longer and repair costs go down. Bucket operable models not available with Tip Lock feature.

BLUE STRIPE® PATENTED ALIGNMENT FEATURE

The most revolutionary design change to hot sticks since fiberglass is our patented BLUE STRIPE® alignment feature. Extending even our 55 footer is easy with this ingenious button alignment feature. These products are patent protected under Patent number 6,875,917 and other patents pending.



CNC MACHINED BUTTONS & SPLINE ENDS

The most vulnerable parts of any stick are the spring loaded plastic buttons and the spline ends. Molded and cast parts can be less expensive to produce but are often less durable. We machine each button and aluminum spline end out of solid material.



APPROVED AND IN STOCK

Our U.S. production capabilities are able to stay ahead of demand so we always have your next stick in stock. All BLUE STRIPE® Fiberglass Sticks are manufactured to meet industry standards including OSHA, ASTM and IEC as applicable.

	SIZE	CLOSED LENGTH	BASE DIA.	NO. OF SECTIONS	WEIGHT	OPERATING LENGTHS	PROTECTIVE BAG
GROUND OPERABLE w/ Tip Lock							
USTS-055	55 FT.	16.8 m	69.5"	3 11/16"	12	25 lbs 4 oz	55',50',45',40',35'
USTS-050	50 FT.	15.2 m	68"	3 1/2"	11	20 lbs	50',45',40',35',30'
USTS-045	45 FT.	13.7 m	66"	3 1/8"	10	16 lbs 8 oz	45',40',35',30',26'
USTS-040	40 FT.	12.2 m	65"	2 7/8"	9	13 lbs 8 oz	40',35',30',26',21'
USTS-035	35 FT.	10.6 m	63"	2 5/8"	8	11 lbs	35',30',26',21',17'
USTS-030	30 FT.	9.1 m	62"	2 3/8"	7	8 lbs 14 oz	30',26',21',17'
USTS-025	25 FT.	7.6 m	60"	2 1/8"	6	6 lbs 14 oz	26',21',17'
USTS-020	20 FT.	6.2 m	58"	1 7/8"	5	5 lbs 3 oz	21',17'
USTS-016	16 FT.	4.9 m	56"	1 5/8"	4	4 lbs	16',12'
BUCKET OPERABLE w/ No Tip Lock							
USTS-012	12 FT.	3.7 m	30"	2 5/8"	7	5 lbs 11 oz	12'
USTS-010	10 FT.	3 m	28"	2 3/8"	6	4 lbs 11 oz	10'
USTS-008	8 FT.	2.5 m	26"	2 1/8"	5	3 lbs 11 oz	8'
USTS-006	6 FT.	1.8 m	26"	1 7/8"	4	2 lbs 8 oz	6'
USTS-004	4 FT.	1.2 m	26"	1 5/8"	3	2 lbs	4'
USSA-ETE	5 FT.	1.5 m	56"	1 1/4"	1	1 lbs	adds 56"

OPTIONS:



Protective Bag



5 FT Extension w/ Spline Ends



ADD "-N" Non-Tip Lock



ADD "-EM" or "-MM" for Measuring (see pg 38)



ADD "-BOOT" Heavy Duty Rubber Boot



Protective Bands Come Standard On Every Telescopic Stick.



Check out our cleaning products on Page 54.

BLUE STRIPE® Measuring Sticks

The BLUE STRIPE® Measuring Sticks offer easy and accurate method for infield measuring while also functioning as fully rated telescopic hot sticks. Large, clear English (EM) or Metric (MM) measurements run along side our patented BLUE STRIPE® feature.

The BLUE STRIPE® Measuring Stick uses our advanced composite construction with epoxy resin and unique non-woven fiberglass to create a smooth, durable surface that resists water absorption.

STANDARD

Our Standard Measuring Stick is the only round telescoping hot stick available in **EIGHT different sizes**. Choose from 16' to 50', English or Metric versions.

TAKE-APART

Our New BLUE STRIPE® Take-Apart Measuring Stick is the industry's first round measuring stick with removable sections. This is the most versatile telescopic hot stick available. It can operate live-line equipment from the ground, a bucket and can now accurately perform infield measurements.

These products are patent protected under Patent number 6,875,917 and other patents pending. All BLUE STRIPE® Fiberglass Sticks are manufactured to meet industry standards including OSHA, ASTM and IEC as applicable.



ENGLISH (Feet/Inches)	METRIC (Meters/Centimeters)	SIZE		CLOSED LENGTH	WEIGHT	PROTECTIVE BAG
STANDARD w/ Non-Tiplock						
USTS-050-EM	USTS-050-MM	50 FT.	15.2 m	68"	20 lbs	USSB-006
USTS-045-EM	USTS-045-MM	45 FT.	13.7 m	66"	16 lbs 8 oz	USSB-008
USTS-040-EM	USTS-040-MM	40 FT.	12.2 m	65"	13 lbs 8 oz	
USTS-035-EM	USTS-035-MM	35 FT.	10.6 m	63"	11 lbs	
USTS-030-EM	USTS-030-MM	30 FT.	9.1 m	62"	8 lbs 14 oz	
USTS-025-EM	USTS-025-MM	25 FT.	7.6 m	60"	6 lbs 14 oz	USSB-005
USTS-020-EM	USTS-020-MM	20 FT.	6.2 m	58"	5 lbs 3 oz	
USTS-016-EM	USTS-016-MM	16 FT.	4.9 m	56"	4 lbs	
TAKE-APART w/ Tiplock						
USTS-TA-045-EM	USTS-TA-045-MM	45 FT.	13.7 m	71"	16.5 lbs	USSB-006
USTS-TA-040-EM	USTS-TA-040-MM	40 FT.	12.2 m	69"	13.5 lbs	
USTS-TA-035-EM	USTS-TA-035-MM	35 FT.	10.6 m	68"	11 lbs	

OPTIONS:



ADD "-TL" Tip Lock
(Standard Only)



ADD "-BOOT" Heavy Duty Rubber Boot



ADD "-N" Non-Tip Lock
(Take-Apart Only)



ADD -PHE for Plastic Hook End (replaces Spline End - Standard Only)

BLUE STRIPE® Take-Apart Hot Sticks



Introducing the industry's first round telescopic hot stick with removable sections. Our patent pending design uses interlocking channels that line up with our BLUE STRIPE® feature creating strong joints that come apart with a push of a button.

The BLUE STRIPE® Take-Apart Hot Stick uses our advanced composite construction with epoxy resin and unique non-woven fiberglass to create a smooth, durable surface that resists water absorption.

Features:

- **Removable sections offer versatility and easy maintenance**
- **Round sections operate smoothly without binding or sticking**
- **“No pinch” buttons are durable and easy to operate**

These products are patent protected under Patent number 6,875,917 and other patents pending. All BLUE STRIPE® Fiberglass Sticks are manufactured to meet industry standards including OSHA, ASTM and IEC as applicable.



	SIZE		CLOSED LENGTH	NO. OF SECTIONS	WEIGHT	PROTECTIVE BAG
USTS-TA-045	45 FT.	13.7 m	71"	10	16.5 lbs	USSB-006
USTS-TA-040	40 FT.	12.2 m	69"	9	13.5 lbs	
USTS-TA-035	35 FT.	10.6 m	68"	8	11 lbs	
USTS-TA-030	30 FT.	9.1 m	66"	7	9 lbs	
USTS-TA-025	25 FT.	7.6 m	64"	6	7 lbs	USSB-008
USTS-TA-020	20 FT.	6.2 m	63"	5	5 lbs	
USTS-TA-016	16 FT.	4.9 m	61"	4	4 lbs	

OPTIONS:



ADD “-EM” or “-MM” for Measuring (select sizes see pg 36)



ADD “-N” Non-Tip Lock



ADD “-BOOT” Heavy Duty Rubber Boot

BLUE STRIPE® Heavy Duty Telescopic Sticks



The BLUE STRIPE® Heavy Duty Telescopic Stick has been designed for maximum strength. The wall thickness of section #1 is nearly double that of a standard foam filled section. The machined spline end assembly is pinned and glued to handle higher torque applications.



Hot line workers using load break tools or operating heavy switches will often exceed the design limitations (pushing, pulling, or twisting) of standard telescopic sticks. Our HD series sticks have been specifically designed for such applications and can hold up to the daily rigors that linemen require.

The epoxy resin and unique non-woven fiberglass construction creates a smooth durable surface that resists water absorption. Our patented BLUE STRIPE® feature takes the hassle out of lining up buttons.

These products are patent protected under Patent number 6,875,917 and other patents pending. All BLUE STRIPE® Fiberglass Sticks are manufactured to meet industry standards including OSHA, ASTM and IEC as applicable.

Available in sizes from 16 ft. to 40 ft.

	SIZE	CLOSED LENGTH	WEIGHT	OPERATING LENGTHS	PROTECTIVE BAG
USTS-HD-040	40 ft.	65"	17 lb 4 oz	40',35',30',26',21'	USSB-008
USTS-HD-035	35 ft.	63"	14 lb 4 oz	35',30',26',21',17'	
USTS-HD-030	30 ft.	62"	11 lb 12 oz	30',26',21',17'	
USTS-HD-025	25 ft.	60"	9 lb 10 oz	26',21',17'	USSB-005
USTS-HD-020	20 ft.	58"	7 lb 10 oz	21',17'	
USTS-HD-016	16 ft.	56"	5 lb 15 oz	16',12'	



Heavy Duty Rubber Boot comes standard

BLUE STRIPE® Heavy Duty Substation Sticks

Our Substation Sticks are robust, compact and built for heavy duty substation applications.



Key features include:

- **Dual Button Design For Added Strength**
- **High Performance Closed Cell Foam Filled Inner Section**
- **Compact Telescopic Design**
- **Patented BLUE STRIPE® Alignment Feature** *(These products are patent protected under Patent number 6,875,917 and other patents pending)*

All BLUE STRIPE® Fiberglass Sticks are manufactured to meet industry standards including OSHA, ASTM and IEC as applicable.

	Description	Collapsed Length	Operating Lengths	Diameter	Weight
USTS-H02-DH	2 SECTION SUBSTATION STICK w/ DISCONNECT HEAD	7' 6"	13', 12', 11', 10'	INNER: 1.25" OUTER: 1.5"	6 lbs.
USTS-H02-SE	2 SECTION SUBSTATION STICK w/ SPLINE END AND HOT STICK PROBE				
USTS-H02-SH	2 SECTION SUBSTATION STICK w/ SWITCH HEAD				
USTS-H02-QC	2 SECTION SUBSTATION STICK w/ QUICK CONNECT HEX HEAD				
USTS-H03-DH	3 SECTION SUBSTATION STICK w/ DISCONNECT HEAD	7' 8"	18' 6", 17' 6", 16' 6", 15' 6", 13' 3", 12' 3", 11' 3", 10' 3"	INNER: 1.25" MIDDLE: 1.5" OUTER: 1.75"	9 lbs.
USTS-H03-SE	3 SECTION SUBSTATION STICK w/ SPLINE END AND HOT STICK PROBE				
USTS-H03-SH	3 SECTION SUBSTATION STICK w/ SWITCH HEAD				
USTS-H03-QC	3 SECTION SUBSTATION STICK w/ QUICK CONNECT HEX HEAD				



DH - Disconnect Head



SE - Spline End & Hot Stick Probe



SH - Switch Head



QC - Quick Connect Hex Head



Add "-BOOT" for optional Heavy Duty Rubber Boot



USSB-010 Protective Bag

BLUE STRIPE® Shotgun Sticks



Utility Solutions offers both internal rod and external rod fixed length shotgun sticks.

BLUE STRIPE® Shotgun Sticks are manufactured from the highest electrical grade insulated fiberglass. Some of the features include:

- **Replaceable hanger hooks.**
- **Patented BLUE STRIPE® feature.** When the stripe is facing up, the stainless steel hook will open downward minimizing accidental drops.
- **Stainless steel operating hook.**
- **Multiple rod guides ensure smooth operation.**
- **High performance closed cell foam prevents water absorption (external rod models).**
- **Rubber Boot, spline end, socket adapter or quick connect options available.**

Standard model internal and external shotgun sticks utilize a full view side break hook (hook pivots in the horizontal plane in relation to the hook release trigger). Add the -BBH designation* to any internal rod shotgun stick to specify a bottom break hook (hook pivots in the vertical plane in relation to the hook release trigger).

Rugged and Versatile



Order an optional Hand Guard (USSA-HG1) to clearly mark minimum distance.

These products are patent protected under Patent number 6,875,917 and other patents pending. All BLUE STRIPE® Fiberglass Sticks are manufactured to meet industry standards including OSHA, ASTM and IEC as applicable.

Shotgun sticks are available with four standard end options:



EC - Rubber End Cap



FA - ½" Female Socket Adaptor



SE - Universal Spline End



QC - Quick Connect Hex Head

INTERNAL ROD	EXTERNAL ROD	SIZE	WEIGHT	BAG
with Rubber End Cap (EC)				
USSG-004-IREC	USSG-004-EREC	4' 6"	1.4 m	4 lb 4 oz USSB-005
USSG-006-IREC	USSG-006-EREC	6' 6"	2 m	5 lb 3 oz USSB-007
USSG-008-IREC	USSG-008-EREC	8' 6"	2.6 m	5 lb 14 oz USSB-009
USSG-010-IREC	USSG-010-EREC	10' 6"	3.2 m	6 lb 13 oz USSB-011
USSG-012-IREC	USSG-012-EREC	12' 6"	3.8 m	9 lb 8 oz USSB-012
with Universal Spline End (SE)				
USSG-004-IRSE	USSG-004-ERSE	4' 7.5"	1.4 m	4 lb 8 oz USSB-005
USSG-006-IRSE	USSG-006-ERSE	6' 7.5"	2 m	5 lb 7 oz USSB-007
USSG-008-IRSE	USSG-008-ERSE	8' 7.5"	2.6 m	6 lb 2 oz USSB-009
USSG-010-IRSE	USSG-010-ERSE	10' 7.5"	3.2 m	7 lb 1 oz USSB-011
USSG-012-IRSE	USSG-012-ERSE	12' 7.5"	3.8 m	9 lb 12 oz USSB-012
with Female ½" Socket Adaptor End (FA)				
USSG-004-IRFA	USSG-004-ERFA	4' 7"	1.4 m	4 lb 14 oz USSB-005
USSG-006-IRFA	USSG-006-ERFA	6' 7"	2 m	5 lb 13 oz USSB-007
USSG-008-IRFA	USSG-008-ERFA	8' 7"	2.6 m	6 lb 8 oz USSB-009
USSG-010-IRFA	USSG-010-ERFA	10' 7"	3.2 m	7 lb 7 oz USSB-011
USSG-012-IRFA	USSG-012-ERFA	12' 7"	3.8 m	10 lb 2 oz USSB-012
with Quick Connect Hex Head End (QC)				
USSG-004-IRQC	USSG-004-ERQC	4' 7.25"	1.4 m	4 lb 8 oz USSB-005
USSG-006-IRQC	USSG-006-ERQC	6' 7.25"	2 m	5 lb 7 oz USSB-007
USSG-008-IRQC	USSG-008-ERQC	8' 7.25"	2.6 m	6 lb 2 oz USSB-009
USSG-010-IRQC	USSG-010-ERQC	10' 7.25"	3.2 m	7 lb 1 oz USSB-011
USSG-012-IRQC	USSG-012-ERQC	12' 7.25"	3.8 m	9 lb 12 oz USSB-012

**Add -BBH for optional Bottom Break Hook*

BLUE STRIPE® Foam Filled Straight Sticks

All Utility Solutions straight sticks are manufactured from the highest quality electrical grade fiberglass. Wall thickness has been engineered to provide the utmost in mechanical strength to meet the rigors of pushing, pulling or twisting of stubborn equipment.



Each stick interior is filled with a high performance closed cell foam to prevent water absorption. The stick exterior has been chemically sealed to provide a smooth surface texture for easy cleaning.

All BLUE STRIPE® Fiberglass Sticks are manufactured to meet industry standards including OSHA, ASTM and IEC as applicable.

BLUE STRIPE® Universal Straight Sticks



USSS-S-104



USSS-S-204

	SIZE	DIAMETER	ENDS	PROTECTIVE BAG	
USSS-S-104	4'	1.2 m	1.25"	SPLINE END / RUBBER END CAP	USSB-005
USSS-S-106	6'	1.8 m	1.25"	SPLINE END / RUBBER END CAP	USSB-006
USSS-S-108	8'	2.5 m	1.25"	SPLINE END / RUBBER END CAP	USSB-010
USSS-S-110	10'	3 m	1.25"	SPLINE END / RUBBER END CAP	USSB-011
USSS-S-112	12'	3.7 m	1.25"	SPLINE END / RUBBER END CAP	USSB-012
USSS-H-110	10'	3 m	1.5"	SPLINE END / RUBBER END CAP	USSB-011
USSS-H-112	12'	3.7 m	1.5"	SPLINE END / RUBBER END CAP	USSB-012
USSS-S-204	4'	1.2 m	1.25"	SPLINE END / SPLINE END	USSB-005
USSS-S-206	6'	1.8 m	1.25"	SPLINE END / SPLINE END	USSB-006
USSS-S-208	8'	2.5 m	1.25"	SPLINE END / SPLINE END	USSB-010
USSS-S-210	10'	3 m	1.25"	SPLINE END / SPLINE END	USSB-011
USSS-S-212	12'	3.7 m	1.25"	SPLINE END / SPLINE END	USSB-012
USSS-H-210	10'	3 m	1.5"	SPLINE END / SPLINE END	USSB-011
USSS-H-212	12'	3.7 m	1.5"	SPLINE END / SPLINE END	USSB-012

Each stick includes a replaceable, vinyl coated steel hanger.



BLUE STRIPE® Switch Head Straight Sticks



	SIZE		DIAMETER	ENDS	PROTECTIVE BAG
USSS-004-EC/SH	4'	1.2 m	1.25"	SWITCH HEAD / RUBBER END CAP	USSB-005
USSS-006-EC/SH	6'	1.8 m	1.25"	SWITCH HEAD / RUBBER END CAP	USSB-006
USSS-008-EC/SH	8'	2.5 m	1.25"	SWITCH HEAD / RUBBER END CAP	USSB-010
USSS-010-EC/SH	10'	3 m	1.25"	SWITCH HEAD / RUBBER END CAP	USSB-011
USSS-012-EC/SH	12'	3.7 m	1.25"	SWITCH HEAD / RUBBER END CAP	USSB-012
USSS-H06-EC/SH	6'	1.8 m	1.5"	SWITCH HEAD / RUBBER END CAP	USSB-006
USSS-H08-EC/SH	8'	2.5 m	1.5"	SWITCH HEAD / RUBBER END CAP	USSB-010
USSS-H10-EC/SH	10'	3 m	1.5"	SWITCH HEAD / RUBBER END CAP	USSB-011
USSS-H12-EC/SH	12'	3.7 m	1.25"	SWITCH HEAD / RUBBER END CAP	USSB-012

BLUE STRIPE® Disconnect Head Straight Sticks



	SIZE		DIAMETER	ENDS	PROTECTIVE BAG
USSS-004-EC/DH	4'	1.2 m	1.25"	DISCONNECT HEAD / RUBBER END CAP	USSB-005
USSS-006-EC/DH	6'	1.8 m	1.25"	DISCONNECT HEAD / RUBBER END CAP	USSB-006
USSS-008-EC/DH	8'	2.5 m	1.25"	DISCONNECT HEAD / RUBBER END CAP	USSB-010
USSS-010-EC/DH	10'	3 m	1.25"	DISCONNECT HEAD / RUBBER END CAP	USSB-011
USSS-012-EC/DH	12'	3.7 m	1.25"	DISCONNECT HEAD / RUBBER END CAP	USSB-012
USSS-H06-EC/DH	6'	1.8 m	1.5"	DISCONNECT HEAD / RUBBER END CAP	USSB-006
USSS-H08-EC/DH	8'	2.5 m	1.5"	DISCONNECT HEAD / RUBBER END CAP	USSB-010
USSS-H10-EC/DH	10'	3 m	1.5"	DISCONNECT HEAD / RUBBER END CAP	USSB-011
USSS-H12-EC/DH	12'	3.7 m	1.5"	DISCONNECT HEAD / RUBBER END CAP	USSB-012

Need a custom stick? We can make any size stick with any combination of end attachments. Call the factory or your representative for all the available options.

OPTION:



Quick Connect Hex Head

"QC" option available on any size straight stick

Example: USSS-008-EC/QC

BLUE STRIPE® Discharge Hook



The Utility Solutions BLUE STRIPE® Discharge Hook safely eliminates a static charge after de-energizing. It is a 1¼” diameter, 4’ straight stick made of high performance closed cell foam and includes a tin plated copper “U” hook and 6’ of copper grounding cable attached to a 2” aluminum “C” type clamp with serrated jaw.

It is also available as a 1’ universal spline attachment which can fit on any length stick.

WARNING: Discharge Hooks are not grounding tools as described by OSHA 1910.269(n) and carry no fault duty rating.



USDH-004



USDH-001-SE

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USDH-004	1¼” X 4’ (1.2 M) DISCHARGE HOOK
USDH-001-SE	1¼” X 1’ (.3 M) DISCHARGE HOOK ATTACHMENT WITH SPLINE END

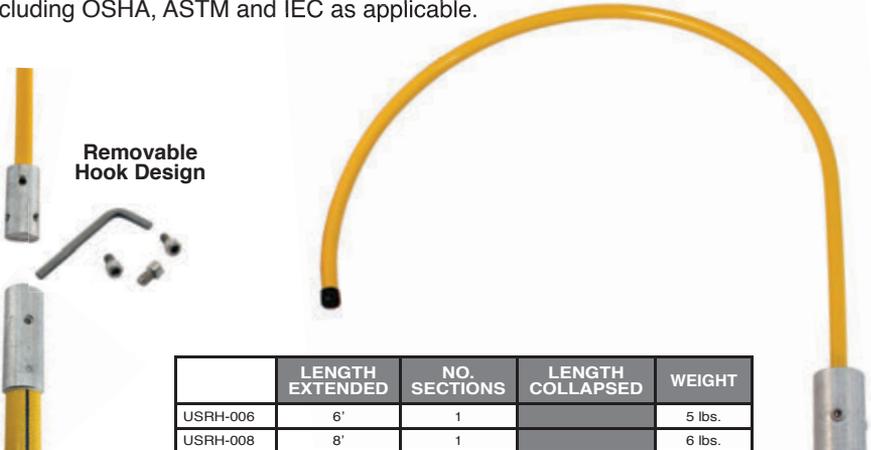
BLUE STRIPE® Rescue Hook

The Utility Solutions Rescue Hooks are used to remove an injured worker from hazardous locations, including confined spaces, electrical gear and vaults.

The standard model Rescue Hook is made of high performance, 1.25" diameter closed cell foam filled fiberglass and includes a heavy duty rubber boot. The telescopic model has an internal 1.25" diameter closed cell foam filled fiberglass section which collapses into a 1.75" diameter outer section. Two machined buttons secure the Rescue Hook in the open position.

Both models use a 20" wide tempered steel hook that is powder-coated in high visibility yellow. The innovative design allows the hook to separate for freight savings and ease of use via the included Allen wrench and fasteners.

All BLUE STRIPE® Fiberglass Sticks are manufactured to meet industry standards including OSHA, ASTM and IEC as applicable.



	LENGTH EXTENDED	NO. SECTIONS	LENGTH COLLAPSED	WEIGHT
USRH-006	6'	1		5 lbs.
USRH-008	8'	1		6 lbs.
USRH-010	10'	1		7 lbs.
USRH-T-006	6'	2	43"	5 lbs.
USRH-T-008	8'	2	55"	6 lbs.



Telescopic Version uses 2 Buttons for added strength

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USRH-006	RESCUE HOOK 6 FT.
USRH-008	RESCUE HOOK 8 FT.
USRH-010	RESCUE HOOK 10 FT.
USRH-T-006	TELESCOPIC RESCUE HOOK 6 FT.
USRH-T-008	TELESCOPIC RESCUE HOOK 8 FT.



BLUE STRIPE® Telescopic Range Pole

Our Telescopic Range Poles are robust, compact and include similar features as our live-line fiberglass hot sticks.

Each pole includes:

- **Red & Yellow Contrasting Segments 12" apart for easy sighting and measuring at a distance**
- **Metal Eyelet tip for attaching flags or ribbon**
- **Rugged Steel Pointed Base**
- **Heavy Duty Aluminum Foot**
- **Compact Telescopic Design**
- **Patented BLUE STRIPE® Alignment Feature** *(These products are patent protected under Patent number 6,875,917 and other patents pending)*



Available in three sizes: 16', 20', 25'



Heavy Duty Aluminum Foot
includes point protector



Range Poles should be supported at all times when extended. Do not rely on the pointed base alone to secure a Range Pole.

HOW TO ORDER

	SIZE	CLOSED LENGTH	NO. OF SECTIONS	WEIGHT	OPERATING LENGTHS	PROTECTIVE BAG
USRP-016	16 ft.	63"	4	4 lb 9 oz	16', 12'	USSB-006-RP
USRP-020	20 ft.	65"	5	6 lb 4 oz	21', 17'	
USRP-025	25 ft.	67"	6	7 lb 9 oz	26', 21', 17'	

BLUE STRIPE® Telescopic Stick Stopper

Made from durable EPDM rubber, the BLUE STRIPE® Telescopic Stick Stopper attaches to any telescopic stick from 25ft to 50ft. The 3-in-1 design installs easily.



- Locks in quick and keeps all sections collapsed
- Creates a handle for removing from tubes, bins or other hard to reach places
- Provides surface protection against abrasive storage locations



Catalog Number	BLUE STRIPE®	HASTINGS	CHANCE	DIA.
USSA-SS1	USTS-025 USTS-030 USTS-HD-020 USTS-HD-025	S/ST-225 S/ST-230 SH-200 SH-250	C4031021 C4031021	2" - 2 3/8"
USSA-SS2	USTS-035 USTS-040 USTS-HD-030 USTS-HD-035	S/ST-235 S/ST-240 SH-250 SH-230 SH-235	C4031022 C4031739 T4033349 C4031600 C4031601 C4031602	2 3/8" - 2 7/8"
USSA-SS3	USTS-045 USTS-050 USTS-HD-040	S/ST-240		3" - 3 1/2"

Sold individually or in packs of 6 per size



Bucket Stick Storage Case

Product Dimension: 4 " x 4 " x 32 "

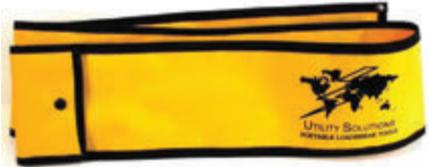
Product Weight: 4 lb 8 oz

The Utility Solutions bucket stick storage case will work with any size bucket sick on the market. Molded from tough waterproof blue polymer the bucket case conveniently clips to the side of the bucket without the need to drill or otherwise modify the bucket. The cover is secured to the base to prevent accidental loss and drainage holes in the base provide rain drainage to ensure the interior stays dry. The cover/base design permits bucket stick storage without the need to rotate the hot stick probe end and permits one to grab the stick body when removing so as not to extend the stick.



Protective Bags for Fiberglass Sticks

Utility Solutions offers a complete line of fiberglass hot stick storage bags. Every bag is water resistant, mold resistant and incorporates a folded end snap lock.



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USBC-001	BUCKET STORAGE CASE
USSB-003	SOFT STICK BAG W/ SNAP (6" WIDE X 36" OAL)
USSB-005	SOFT STICK BAG W/ SNAP (6" WIDE X 65" OAL)
USSB-006	SOFT STICK BAG W/ SNAP (8.5" WIDE X 78" OAL)
USSB-007	SOFT STICK BAG W/ SNAP (6" WIDE X 89" OAL)
USSB-008	SOFT STICK BAG W/ SNAP (7.5" WIDE X 72" OAL)
USSB-009	SOFT STICK BAG W/ SNAP (6" WIDE X 113" OAL)
USSB-010	SOFT STICK BAG W/ SNAP (6" WIDE X 100" OAL)
USSB-011	SOFT STICK BAG W/ SNAP (6" WIDE X 135" OAL)
USSB-012	SOFT STICK BAG W/ SNAP (6" WIDE X 158" OAL)

Boom Holster



The Boom Holster is a unique two-piece hot stick holder that easily mounts on a boom. The rugged molded design is spring loaded at one end so an operator can remove and insert a hot stick with just one hand.

Disconnect and NEMA Switch heads conveniently fit into a slot closest to the operator. The Boom Holster is a convenient and safe way to secure a hot stick.



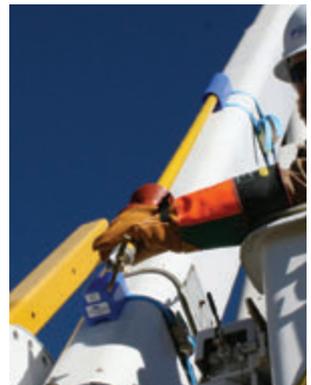
Installation is quick and easy with 3 supplied straps, ratchets and rubber pads. It mounts on round, square or oval booms of any size.

The Boom Holster can hold any length stick and adjusts to accommodate different sticks easily.

*Your Favorite Stick Is
Always in Reach*

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USBC-002	BOOM HOLSTER WITH STRAPS



Hot Stick Accessories

We offer a wide range of hot stick accessories. All are tested and fit on a standard Universal Spline(SE).

Catalog Number	Name	Weight	Page
USSA-ETE	56" FIBERGLASS EXTENSION SPLINE ATTACHMENT	1 lb	37
USSA-ASD	POLYMERIC ICE REMOVAL SPLINE ATTACHMENT	1 lb	→
USSA-BRH	POLYMERIC REMOVAL HOOK SPLINE ATTACHMENT	4 oz	→
USSA-HG1	BLUE STRIPE HAND GUARD FOR 1 1/4" STICKS	5 oz	→
USSA-HGR	VINYL COATED STEEL HANGER & CLAMP	4 oz	→
USSA-HOE	HOE ATTACHMENT	8 oz	not shown
USSA-MSC	SHOESTRING CUTTER SPLINE ATTACHMENT (METAL)	4 oz	→
USSA-ODP	DOUBLE PRONG STICK END	4 oz	→
USSA-OEC	RUBBER END CAP FOR 1 1/4" DIA. FIBERGLASS	4 oz	→
USSA-OHP	UNIVERSAL HOT STICK PROBE	8 oz	→
USSA-OHP-F	UNIVERSAL HOT STICK PROBE WITH HI VISIBILITY FLUORESCENT COATING	8 oz	→
USSA-ORB	ROTARY BLADE SPLINE ATTACHMENT	4 oz	→
USSA-ORP	ROTARY PRONG SPLINE ATTACHMENT	4 oz	→
USSA-OSE	UNIVERSAL SPLINE END FOR 1 1/4" DIA. FIBERGLASS	6 oz	→
USSA-PHE	PLASTIC HOOK END (replaces Aluminum Spline End)	4 oz	→
USSA-PSC	SHOESTRING CUTTER SPLINE ATTACHMENT (PLASTIC)	4 oz	not shown
USSA-STB-018	18" TORQUE BAR SPLINE ATTACHMENT	1 lb	Below
USSA-TSA	1/4"-20 THREADED STUD SPLINE ADAPTER	4 oz	→

Spline Torque Bar



Product Dimensions: 1/4" Dia. x 18"

Product Weight: 1 lb

The Spline Torque Bar allows an operator to apply increased torque at a safe distance to insulated shotgun stick applications (when equipped with a universal spline end).

Tool consists of foam filled insulated fiberglass with a foam grip for operator comfort. Specially designed universal end is precision CNC machined from aluminum grade bar stock for superior strength.



HAVE AN IDEA. . . NEED SOMETHING SPECIAL?

We are constantly designing and engineering new tools and products for the electric power industry. Call or email us with YOUR ideas.



USSA-BRH



USSA-ASD



USSA-HGR



USSA-HG1



USSA-MSC



USSA-ODP



USSA-PHE



USSA-OHP



USSA-OHP-F



USSA-ORB



USSA-ORP



USSA-OSE



USSA-TSA



USSA-OEC

BLUE STRIPE® Cloth

Size: 18" x 18" (approximately)

Microfiber silicone impregnated hot stick wiping cloth.

Our unique microfiber material both contains more silicone and traps more dirt, dust and debris. Our cloth comes with a durable clear bag that is resealable.



The BLUE STRIPE® Cloth imparts a clear protective film of silicone on a hot stick. It complies with the OSHA requirement of daily inspection and wiping of high voltage rated fiberglass hot sticks.

OSHA Requires Daily Inspection & Wiping of Hot Sticks.

BLUE STRIPE® Wipes

Size: 8" x 12" Towel

Our daily hot sticks wipes are pre-moistened with silicone to leave behind a thin protective water repellent surface.

Perform a light cleaning and leave a thin layer of silicone on your hot stick every day to comply with OSHA requirements of daily inspection and wiping of high voltage rated fiberglass hot sticks.

Our BLUE STRIPE® Wipes come in our convenient dispenser box of 50 to mount on a wall.



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USTS-CLOTH	BLUE STRIPE® CLOTH
USTS-SILWIPE	BLUE STRIPE® WIPES (BOX OF 50)

BLUE STRIPE® Hot Stick Wax

14 oz. can

Our high grade Carnauba wax creates a high temperature, water resistant durable finish on fiberglass, gelcoat, painted metal and wood surfaces.

A good coat of Carnauba wax on any fiberglass product is recommended on a routine basis. Carnauba wax inherently repels water and dirt to optimize dielectric properties. Stay OSHA compliant and extend the life of your hot stick with our BLUE STRIPE® Hot Stick Wax.



Create a High Temp, Water Resistant Finish

HAZMAT - cannot ship air freight.

BLUE STRIPE® General Purpose Cleaner

1 US Gallon as mixed

We have created a specially formulated neutral cleaner for tools, trucks, fiberglass, painted surfaces, rubber goods and most any non-absorbing surface.

Freight Saving - Ships Concentrated



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USTS-WAX	BLUE STRIPE® HOT STICK WAX - 14oz CAN
USTS-CLEANER	BLUE STRIPE® GENERAL PURPOSE CLEANER - 1 Gallon as mixed

Metering Products



Meter Grabber

58



Electric Meter Jumper Leads

59

Meter Grabber

Product Dimensions: 6.8 " dia. x 15.5 "
 Product weight: 2 lb 6 oz
 Color: Clear with water cooler blue tint

The Utility Solutions Meter Grabber is an indispensable tool for electric meter installation, removal or change-outs. The Meter Grabber provides superior protection from exploding meters due to faults.

Operator protection is paramount therefore the Meter Grabber has no metal components about the tools working end. Side slots permit venting during a fault. The working end of the tool provides a positive capture around the entire base, eliminating the chance of a dropped or broken meter as well as offering additional mechanical leverage when removing stubborn meters.



Sturdy in the field
 additional safety (USMG-0)



Molded of a rugged polymer the tool is rugged, lightweight and tinted to allow the operator to visually observe the entire operation.

Optional carrying bag is constructed of heavy-duty water resistant fabric with a polymeric base.

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USMG-001	METER GRABBER
USMG-002	METER GRABBER WITH ARC SHIELD RINGS
USMG-001-BAG	CARRYING BAG FOR USMG-001
USMG-002-BAG	CARRYING BAG FOR USMG-002



Electric Meter Jumper Leads

Our Electric Meter Jumper Lead sets are a convenient and safe method to prevent a customer outage during a meter removal or change-out. They are constructed from #6 AWG highly flexible insulated copper.

The ferrule ends are machined of solid copper for utmost performance and beveled for easy push on installation. Simply push the meter lead end over the bypass horn and turn the knurled handle until the lead is tightly secured in place.

Leads are available with a 100 AMP breaker option (USJL-002). The resettable single pole 240 volt hydraulic breaker allows for added safety and protection of property.



Ferrule End



Optional carrying bag is constructed of heavy-duty water resistant fabric with a polymeric base.

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USJL-001	ELECTRIC METER JUMPER LEADS - FERRULE END (SET OF TWO)
USJL-002	ELECTRIC METER JUMPER LEADS - FERRULE END WITH 100 AMP BREAKER (SET OF TWO)
USMG-001-BAG	CARRYING BAG FOR USJL-001

Safety & Training



Load-Trainer II Transformer Simulator 62

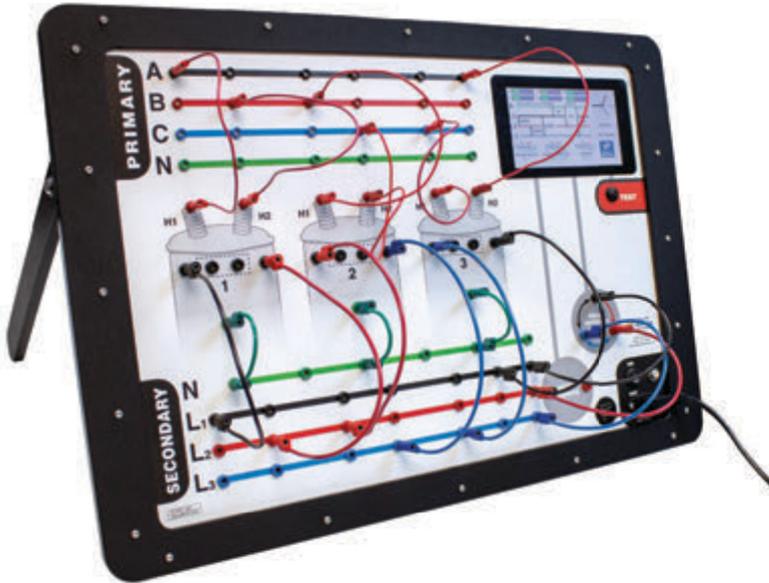


Grounds Tester 64



Tool Demonstration Trailers 65

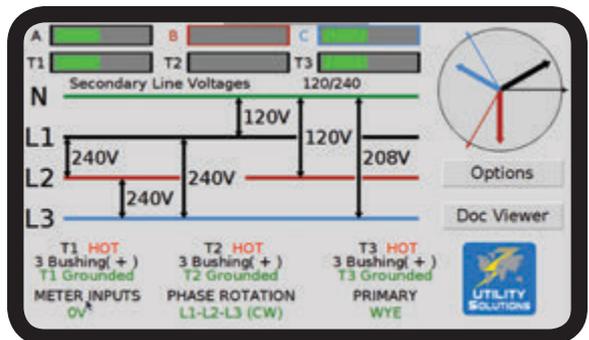
Load-Trainer II Transformer Simulator



The Load-Trainer II Transformer Simulator is a portable 3-phase trainer. The unique tactile interface offers an **immersive learning environment** for all levels of line-workers and utility personnel.

The unit includes color coded patch cords and a 7" interactive touch screen to combine a physical wiring environment with a computer controlled simulation. Users apply jumpers between source lines, transformers and a secondary system. When the 'TEST' button is pressed the simulator displays **phase-to-phase voltages, phase-to-neutral voltages, phase angles, load** and other key information based on the users wiring in real-time.

Key principles and concepts of electrical distribution systems can be demonstrated: **Wye, Delta, Polarity, Phase Rotation and Phase Angles.** Trainers can even introduce faults on both the primary and



secondary, modify **phase orientation**, explore multiple secondary voltages and different transformer settings. It simulates **back-feeding** and reduced capacity services so users learn and practice **real-world troubleshooting**.



The Load-Trainer II Transformer Simulator is 27.5" wide x 19" tall x 3.5" deep and weighs just 16 pounds. It is constructed on a rugged polymer frame and includes built in legs that fold for easy transport. It is powered by standard 120V AC and includes a **cordless mouse**



and **HDMI output** for connecting a **monitor or projector**. The soft case includes padded corners and a pouch for accessories. The hard case includes heavy duty foam, storage area, and a spring loaded handle.

Take training beyond the text book with the Load-Trainer II Transformer Simulator from Utility Solutions, Inc.



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
XFMR-001	LOAD-TRAINER II TRANSFORMER SIMULATOR
XFMR-001-LEADSET	EXTRA SET OF COLOR CODED PATCH CORDS
-S	SOFTCASE
-H	HARDCASE

Grounds Tester

Isolates Failure Location

Product Dimension: 20 " x 15 " x 7.5 "
 Product Weight: 45 lbs

The USGT-600 Grounds Tester provides a straightforward means of evaluating in service grounding assemblies in compliance with ASTM standards. A built in voltmeter allows the operator to determine pass/fail criteria of various lengths of cable sizes #2 through double 4/0.

REACH Technology saves time and eliminates guess work by troubleshooting failed grounding assemblies and isolating the failure location.

The USGT-600 Grounds Tester is powered by standard 120V AC. The device is contained in a rugged case and ships with both brass ball stud and brass flat head electrodes.

Accessories:

1. 27kV ELBOW
2. 15 kV ELBOW
3. 27 kV BUSHING
4. 15 kV BUSHING
5. SUBSTATION CLAMP ADAPTOR



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USGT-600	GROUND'S TESTER
USGT-600-15KVLEBOW	15 kV LOAD BREAK ELBOW ADAPTER
USGT-600-15KVBUSHING	15 kV LOAD BREAK BUSHING ADAPTER
USGT-600-27KVLEBOW	27 kV LOAD BREAK ELBOW ADAPTER
USGT-600-27KVBUSHING	27 kV LOAD BREAK BUSHING ADAPTER
USGT-600-SUB	3 1/8" OD SUBSTATION CLAMP ADAPTER



Tool Demonstration Trailers



Utility Solutions, Inc. tool demonstration trailers are located throughout North America.

They offer our entire line of products and a unique interactive environment to both inform and educate linemen.

Call your local sales representative to schedule a trailer visit.



*Visit our Online Trailer Locator
&
Call your Rep for a Demo*

Rubber Goods



Insulated Rubber Blankets

68



Blanket Clamp

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Klondike Clamp

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Blanket Mate Heavy Duty Blanket Holder

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Jumper Hook

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Jumper-Aid™

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Bucket Mate Polymeric Hook

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Insulated Rubber Blankets



Utility Solutions Insulated Rubber Blankets are Type II, Style “A” and manufactured from EPDM to provide maximum resistance to ozone damage. They are molded in high visibility yellow and are free from any internal reinforcement for maximum flexibility.

Utility Solutions blankets meet or exceed all applicable ASTM D-1048 performance criteria. An optional testing service is available from an independent NAIL certified laboratory. If chosen, a date stamp is applied to each blanket prior to shipping.

	CLASS	SIZE	DESIGN	NO. EYES	EYE DIAMETER	WEIGHT
USRB-36-6-SLD	4	36" X 36"	solid	6	.375"	8 lb 4 oz
USRB-36-28-SLT	4	36" X 36"	slotted	28	.375"	8 lb 4 oz
USRB-22-28-SLT	4	22" x 22"	slotted	28	.375"	2 lb 8 oz

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USRB-36-6-SLD	36" INSULATED RUBBER BLANKET - SOLID
USRB-36-28-SLT	36" INSULATED RUBBER BLANKET - SLOTTED
USRB-22-28-SLT	22" INSULATED RUBBER BLANKET - SLOTTED
BLANKET DATESTAMP	OPTIONAL DATE STAMP APPLIED TO BLANKET

Blanket Clamp

USBA-001



Product Dimensions: 10 " x 5 " x .75 "
Product Weight: 4 oz

USBA-001
Hand operable Blanket Clamp.

USBA-002



USBA-002
Blanket Clamp designed for remote operation using a shotgun stick.

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USBA-001	BLANKET CLAMP - BOX OF 10
USBA-002	BLANKET CLAMP - STICK OPERABLE - BOX OF 10

Klondike Clamp

The Klondike Clamp safely and quickly secures rubber blankets without causing damage and eliminates the need for tie wrap, bungee cords, Velcro® or tape.

*Save Time
& Protect
Blankets*



STANDARD - USCP-001



LARGE - USCP-002

The Klondike Clamp comes in 3 models:

- **Standard** - Great on cross arms, bushings, poles and even pad mount gear.
- **Large** - Easily fits Poles up to 20" diameter.
- **Hands-Free** - This model attaches to a shotgun stick and offer hands-free operation.



The Klondike Clamp is made from a tough weather resistant polymer and assembled with stainless steel hardware.



HANDS-FREE - USCP-004



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USCP-001	6"-11" DIA. KLONDIKE CLAMP
USCP-002	11"-20" DIA. KLONDIKE CLAMP
USCP-004	6"-11" DIA. HANDS-FREE KLONDIKE CLAMP



Blanket Mate Heavy Duty Blanket Holder

*Find it Hard
to Position a
Blanket?*



The Blanket Mate Heavy Duty Blanket Holder is an articulating magnet that safely and securely positions a rubber insulating blanket onto any metal surface. It is specifically designed to conform to curved and/or uneven surfaces. The tear drop shape end is manufactured from a unique polymer that remains strong and flexible even in cold weather.

Rubber insulating blankets can weigh as much as 9 lbs. and require heavy duty magnets to secure them safely. The Blanket Mate Heavy Duty Blanket Holder comes in either a 6 magnet or 8 magnet version.

This product comes with a 5 year unlimited warranty against breakage.



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USBM-001	BLANKET MATE - 6 MAGNET
USBM-002	BLANKET MATE - 8 MAGNET

Jumper Hook

*Eliminate Jumper
Lead Sag*

Product Dimensions: 11" x 4.5" x .5"
Product Weight: 6 oz

The Jumper Hook is designed to support a temporary mechanical jumper without the use of tape, bungee cords or rope. The Jumper Hook can prevent potential cross-phasing and also minimizes swaying in high wind conditions.



Multiple Jumper Hooks effectively support and cradle long stretches of jumpers. The Jumper Hook installs easily with a gloved hand or shotgun stick. They will fit over any class 2 or 3 line hose and exhibits a flash-over resistance of over 50 kV.

The Jumper Hook is made of a high visibility polymer material that can handle the rigors of daily use even in cold temperatures.



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USJH-001	JUMPER HOOK (6 per pack)



Jumper-Aid™

Product Dimensions: 14" x 10" x 1"
 Product Weight: 1 lb 3 oz

The patented Jumper-Aid™ supports a temporary mechanical jumper during construction or maintenance. The unique pivoting design allows each arm to rotate 360 degrees to automatically lock in place without rope, tape or wires.

The Jumper-Aid™ can support a jumper from one phase/voltage while hanging from a conductor of a different voltage/phase. It supports a mechanical jumper wrapped in an insulating rubber blanket and fits over line hose.



The Jumper-Aid™ also fits over cross arms to create a temporary hanger that holds up to 100 lbs.

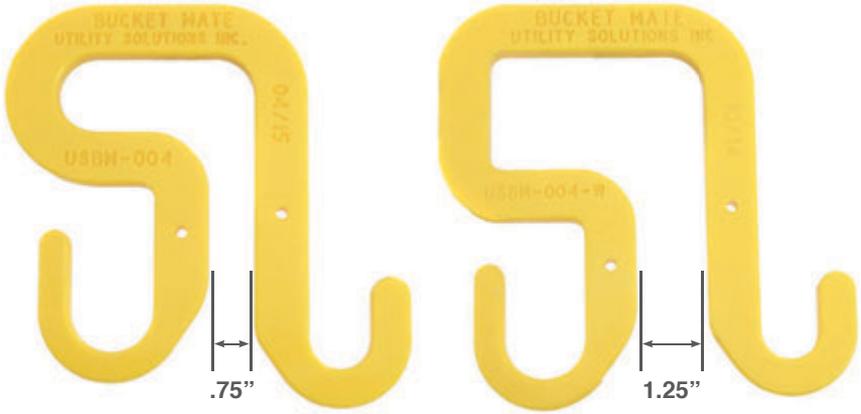
- **Eliminates Tape or Rope**
- **Supports Jumpers from Different Voltage/Phases**
- **Hangs Over Cross Arms**
- **Prevents Jumper Sag**

HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USJH-002	JUMPER-AID™ BLANKET & JUMPER HOLDER



Bucket Mate Polymeric Hook



Product Dimensions: 6.5" x 6.5" x .5"
 Product Weight: 5 oz

The Bucket Mate Polymeric Hook is the only rated bucket hook available with a 5 year warranty. Unlike conventional molded hooks the Bucket Mate is machined from high performance polymer and far more rugged than traditional PVC. Each hook is rated to hold 75 lbs even in extreme temperatures.

The Bucket Mate features a large hook to accept a tool bag, equipment or other large items on the interior side of the bucket. The opposing hook on the exterior side is a smaller 1/2" end that easily accepts blanket holes without damaging them.

The Wide Slot Bucket Mate can accommodate thicker insulated buckets.

This product comes with a 5 year unlimited warranty against breakage.



**75 lb
 Rating**



HOW TO ORDER

ITEM NUMBER	DESCRIPTION
USBM-004	BUCKET MATE POLYMERIC HOOK
USBM-004-W	WIDE SLOT BUCKET MATE POLYMERIC HOOK

Appendix

Factory Certified Repair Service 76

LOAD-RANGER® XLT Parts Guide 77

Telescopic Hot Sticks Parts Guide 81

Shotgun Sticks Parts Guide 90

Sales Representative Directory 91

Standard Terms and Conditions 95

Factory Certified Repair Service

Utility Solutions, Inc. offers Factory Certified Repair services for our Load Break tools. Repairing these products requires unique skills, parts and tools that are offered by our factory. This ensures the safest and most reliable tools are in the field and ready for live line work.

Benefits

Factory Trained Professionals - Utility Solutions, Inc. maintains a highly trained and skilled staff of repair technicians. These technicians report directly to Engineering and work alongside production. This enables them to have tools, parts and procedures necessary to offer the safest and most reliable tools to our customers.

Safety - Our Factory Certified Repairs produce safe, consistent and reliable tools for live line work. Our trained technicians ONLY work on our tools and have access to the latest parts and procedures. Tools repaired by the factory will have a long and useful life.

Fast Service - We service tools in 10 business days or less¹.

Extended Warranty - Using our Factory Certified Repair Service includes a 1 year warranty on parts and labor².

Instructions

Our Factory Certified Repair Service is easy to use; no RMA or pre-approval is necessary.

1. Print and fill out a Repair Service Form, available on our website.
2. Carefully pack and ship the tool, along with the completed Repair Service Form to:

Utility Solutions, Inc

Attn: Repair

101 33rd Street Drive, S.E.

Hickory, NC 28602

3. Upon receipt of your tool an estimate of repairs will be sent to you for approval³. Service begins when our estimate is approved.

Notes:

1. Repairs begin once we receive approval of our estimate of repairs.
2. Refer to our Standard Terms & Conditions for warranty information.
3. Approval includes acknowledging the repair level and price, agreeing to our terms & conditions and securing payment.



LOAD-RANGER® XLT Parts Guide

USLR-XLT-1 (and P models)
USLR-XLT-2 (and P models)



XLT Repair Fastener Kit (2nd Gen)
(Includes all necessary fasteners, B-01073 Loctite, B-01274 Contact Grease and C-01080 Split "O" Ring)



**B-00159 LOAD BREAK TOOL,
FIBERGLASS CLEANER / WAX**
(16 oz Container)



**B-00856 LOCTITE 425 (20 GRAM
CONTAINER)**



C-00497 XLT GUIDE PIN



C-00498 XLT THREADED PIN PLUG



C-00507 XLT STOP BAR



C-00509 XLT ARC SHIM



C-00513 XLT EXTERNAL GASKET



C-00517 XLT FEMALE CONTACT



C-00519 XLT SHORT CONDUCTOR PATH



C-00520 XLT-1 LONG CONDUCTOR PATH



C-00524 XLT END CAP (MOLDED)



C-00528 XLT-1 SPACER



C-00539 XLT EXTENDED HOOD



C-00541 XLT-2 LONG CONDUCTOR PATH



C-00554 XLT ARC SNUFFER



C-00558 XLT-2 SPACER



P-00043 XLT HOOK LOOP ASSEMBLY



P-00044 XLT MUFFLER CAP ASSEMBLY



P-00048 XLT-1 YELLOW TUBE ASSEMBLY



P-00049 XLT-1 PROBE SHAFT ASSEMBLY



P-00052 XLT OVERHEAD ARM ASSEMBLY



P-00055 XLT PADMOUNT ARM ASSEMBLY



P-00323 XLT-1 BLACK TUB / CAN ASSEMBLY



P-00325 XLT COUNTER ASSEMBLY



P-00447 XLT-2 YELLOW TUBE ASSEMBLY



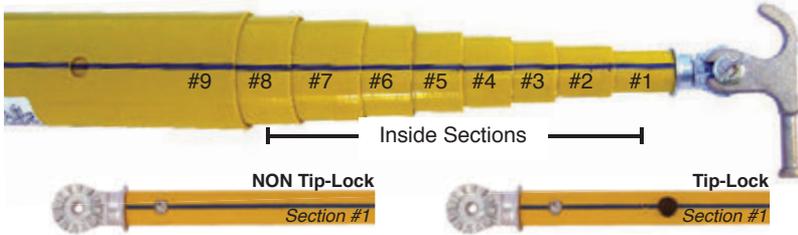
P-00449 XLT-2 PROBE SHAFT ASSEMBLY



P-00452 XLT-2 BLACK TUB / CAN ASSEMBLY

BLUE STRIPE® Hot Stick Parts Guide

STANDARD TELESCOPIC



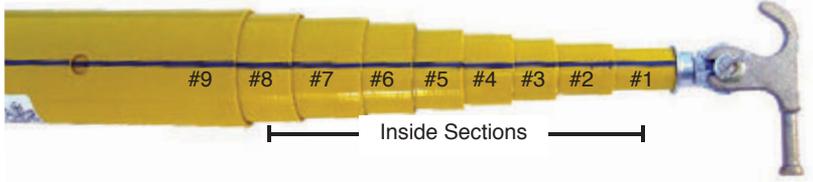
Ground Operable Fiberglass Sections

SECTION #	USTS-016	USTS-020	USTS-025	USTS-030	USTS-035	USTS-040	USTS-045	USTS-050	USTS-055
	16'	20'	25'	30'	35'	40'	45'	50'	55'
#1 TIPLOCK					P-00800				
#1 NON TIPLOCK					P-00801				
#2					C-00620				
#3					C-00630				
#4 INSIDE									C-00640
#4 OUTSIDE	P-00802								
#5 INSIDE									C-00650
#5 OUTSIDE		P-00803							
#6 INSIDE									C-00660
#6 OUTSIDE			P-00804						
#7 INSIDE									C-00670
#7 OUTSIDE				P-00805					
#8 INSIDE									C-00680
#8 OUTSIDE					P-00806				
#9 INSIDE									C-00690
#9 OUTSIDE						P-00807			
#10 INSIDE									C-00700
#10 OUTSIDE							P-00808		
#11 INSIDE									C-01424
#11 OUTSIDE								P-00809	
#12 OUTSIDE									P-00810

Bucket Operable Fiberglass Sections

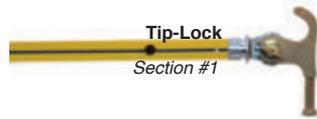
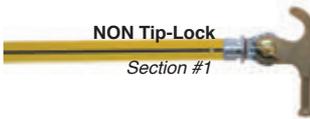
SECTION #	USTS-004	USTS-006	USTS-008	USTS-010	USTS-012
	4'	6'	8'	10'	12'
#1 NON TIPLOCK					P-00811
#2					C-00837
#3 INSIDE					C-00838
#3 OUTSIDE	P-00812				
#4 INSIDE					C-00840
#4 OUTSIDE		P-00813			
#5 INSIDE					C-00842
#5 OUTSIDE			P-00814		
#6 INSIDE					C-00844
#6 OUTSIDE				P-00815	
#7 OUTSIDE					P-00816

TAKE-APART TELESCOPIC



NOTE: All sections of the Take-Apart Hot Stick come complete and fully assembled with buttons and plugs.

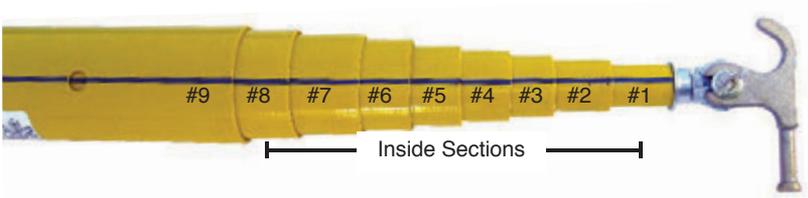
Contact factory for availability of individual components.



Take-Apart Fiberglass Sections

SECTION #	USTS-TA-016	USTS-TA-020	USTS-TA-025	USTS-TA-030	USTS-TA-035	USTS-TA-040	USTS-TA-045
	16'	20'	25'	30'	35'	40'	45'
#1 TIPLOCK				P-00634			
#1 NON TIPLOCK				P-01101			
#2				P-01102			
#3				P-01103			
#4 INSIDE				P-01104			
#4 OUTSIDE - END CAP	P-01105						
#4 OUTSIDE - BOOT	P-00635						
#5 INSIDE				P-01106			
#5 OUTSIDE - END CAP		P-01107					
#5 OUTSIDE - BOOT		P-00636					
#6 INSIDE				P-01108			
#6 OUTSIDE - END CAP			P-01109				
#6 OUTSIDE - BOOT			P-00637				
#7 INSIDE				P-01110			
#7 OUTSIDE - END CAP				P-01111			
#7 OUTSIDE - BOOT				P-00638			
#8 INSIDE						P-01112	
#8 OUTSIDE - END CAP					P-01113		
#8 OUTSIDE - BOOT					P-00639		
#9 INSIDE							P-01114
#9 OUTSIDE - END CAP						P-01115	
#9 OUTSIDE - BOOT						P-00640	
#10 OUTSIDE - END CAP							P-01117
#10 OUTSIDE - BOOT							P-00641

HEAVY DUTY TELESCOPIC



Heavy Duty Fiberglass Sections

NOTE: Sections #1 and #2 are made specifically for the Heavy Duty Telescopic stick and come fully assembled (P-01225). All other sections use the Standard Telescopic parts (but are numbered differently).

Example: C-00650 is both a Standard section #5 AND a Heavy Duty section #4.

SECTION #	USTS-HD-016	USTS-HD-020	USTS-HD-025	USTS-HD-030	USTS-HD-035	USTS-HD-040	USTS-HD-045	USTS-HD-050
#1 & #2	16'	20'	25'	30'	35'	40'	45'	50'
P-01225 (Includes sections #1, #2, buttons, plugs and spline end fully assembled)								
#3	C-00640							
#4 INSIDE	C-00650							
#4 OUTSIDE	P-00803							
#5 INSIDE	C-00660							
#5 OUTSIDE	P-00804							
#6 INSIDE	C-00670							
#6 OUTSIDE	P-00805							
#7 INSIDE	C-00680							
#7 OUTSIDE	P-00806							
#8 INSIDE	C-00690							
#8 OUTSIDE	P-00807							
#9 INSIDE	C-00700							
#9 OUTSIDE	P-00808							
#10 INSIDE	C-01424							
#10 OUTSIDE	P-00809							
#11 OUTSIDE	P-00810							

ENGLISH MEASURING

NOTE: Measuring Stick Sections are unique for each size stick!

SECTION #	USTS-016-EM	USTS-020-EM	USTS-025-EM	USTS-030-EM	USTS-035-EM	USTS-040-EM	USTS-045-EM	USTS-050-EM
#1 TIPLOCK	P-00800-016-EM	P-00800-020-EM	P-00800-025-EM	P-00800-030-EM	P-00800-035-EM	P-00800-040-EM	P-00800-045-EM	P-00800-050-EM
#1 NON TIPLOCK	P-00801-016-EM	P-00801-020-EM	P-00801-025-EM	P-00801-030-EM	P-00801-035-EM	P-00801-040-EM	P-00801-045-EM	P-00801-050-EM
#2	C-00620-016-EM	C-00620-020-EM	C-00620-025-EM	C-00620-030-EM	C-00620-035-EM	C-00620-040-EM	C-00620-045-EM	C-00620-050-EM
#3	C-00630-016-EM	C-00630-020-EM	C-00630-025-EM	C-00630-030-EM	C-00630-035-EM	C-00630-040-EM	C-00630-045-EM	C-00630-050-EM
#4 INSIDE		C-00640-020-EM	C-00640-025-EM	C-00640-030-EM	C-00640-035-EM	C-00640-040-EM	C-00640-045-EM	C-00640-050-EM
#4 OUTSIDE	P-00802							
#5 INSIDE			C-00650-025-EM	C-00650-030-EM	C-00650-035-EM	C-00650-040-EM	C-00650-045-EM	C-00650-050-EM
#5 OUTSIDE		P-00803						
#6 INSIDE				C-00660-030-EM	C-00660-035-EM	C-00660-040-EM	C-00660-045-EM	C-00660-050-EM
#6 OUTSIDE			P-00804					
#7 INSIDE				P-00805	C-00670-035-EM	C-00670-040-EM	C-00670-045-EM	C-00670-050-EM
#7 OUTSIDE								
#8 INSIDE						C-00680-040-EM	C-00680-045-EM	C-00680-050-EM
#8 OUTSIDE					P-00806			
#9 INSIDE							C-00690-045-EM	C-00690-050-EM
#9 OUTSIDE						P-00807		
#10 INSIDE								C-00700-050-EM
#10 OUTSIDE							P-00808	
#11 OUTSIDE								P-00809



METRIC MEASURING

NOTE: Measuring Stick Sections are unique for each size stick!

SECTION #	USTS-016-MM	USTS-020-MM	USTS-025-MM	USTS-030-MM	USTS-035-MM	USTS-040-MM	USTS-045-MM	USTS-050-MM
#1 TIPOCK	P-00800-016-MM	P-00800-020-MM	P-00800-025-MM	P-00800-030-MM	P-00800-035-MM	P-00800-040-MM	P-00800-045-MM	P-00800-050-MM
#1 NON TIPOCK	P-00801-016-MM	P-00801-020-MM	P-00801-025-MM	P-00801-030-MM	P-00801-035-MM	P-00801-040-MM	P-00801-045-MM	P-00801-050-MM
#2	C-00620-016-MM	C-00620-020-MM	C-00620-025-MM	C-00620-030-MM	C-00620-035-MM	C-00620-040-MM	C-00620-045-MM	C-00620-050-MM
#3	C-00630-016-MM	C-00630-020-MM	C-00630-025-MM	C-00630-030-MM	C-00630-035-MM	C-00630-040-MM	C-00630-045-MM	C-00630-050-MM
#4 INSIDE		C-00640-020-MM	C-00640-025-MM	C-00640-030-MM	C-00640-035-MM	C-00640-040-MM	C-00640-045-MM	C-00640-050-MM
#4 OUTSIDE	P-00802							
#5 INSIDE			C-00650-025-MM	C-00650-030-MM	C-00650-035-MM	C-00650-040-MM	C-00650-045-MM	C-00650-050-MM
#5 OUTSIDE		P-00803						
#6 INSIDE				C-00660-030-MM	C-00660-035-MM	C-00660-040-MM	C-00660-045-MM	C-00660-050-MM
#6 OUTSIDE			P-00804					
#7 INSIDE					C-00670-035-MM	C-00670-040-MM	C-00670-045-MM	C-00670-050-MM
#7 OUTSIDE				P-00805				
#8 INSIDE						C-00680-040-MM	C-00680-045-MM	C-00680-050-MM
#8 OUTSIDE					P-00806			
#9 INSIDE							C-00690-045-MM	C-00690-050-MM
#9 OUTSIDE						P-00807		
#10 INSIDE								C-00700-050-MM
#10 OUTSIDE							P-00808	
#11 OUTSIDE								P-00809



ENGLISH TAKE-APART MEASURING

NOTE: Measuring Stick Sections are unique for each size stick!

SECTION #	USTS-TA-016-EM 16'	USTS-TA-020-EM 20'	USTS-TA-025-EM 25'	USTS-TA-030-EM 30'	USTS-TA-035-EM 35'	USTS-TA-040-EM 40'	USTS-TA-045-EM 45'
#1 TIP/LOCK	P-00634-016-EM	P-00634-020-EM	P-00634-025-EM	P-00634-030-EM	P-00634-035-EM	P-00634-040-EM	P-00634-045-EM
#1 NON TIP/LOCK	P-01101-016-EM	P-01101-020-EM	P-01101-025-EM	P-01101-030-EM	P-01101-035-EM	P-01101-040-EM	P-01101-045-EM
#2	P-01102-016-EM	P-01102-020-EM	P-01102-025-EM	P-01102-030-EM	P-01102-035-EM	P-01102-040-EM	P-01102-045-EM
#3	P-01103-016-EM	P-01103-020-EM	P-01103-025-EM	P-01103-030-EM	P-01103-035-EM	P-01103-040-EM	P-01103-045-EM
#4 INSIDE	P-01104-016-EM	P-01104-020-EM	P-01104-025-EM	P-01104-030-EM	P-01104-035-EM	P-01104-040-EM	P-01104-045-EM
#4 OUTSIDE-END CAP	P-01105						
#4 OUTSIDE-BOOT	P-00635						
#5 INSIDE			P-01106-025-EM	P-01106-030-EM	P-01106-035-EM	P-01106-040-EM	P-01106-045-EM
#5 OUTSIDE-END CAP		P-01107					
#5 OUTSIDE-BOOT		P-00636					
#6 INSIDE							
#6 OUTSIDE-END CAP			P-01109	P-01108-030-EM	P-01108-035-EM	P-01108-040-EM	P-01108-045-EM
#6 OUTSIDE-BOOT			P-00637				
#7 INSIDE							
#7 OUTSIDE-END CAP				P-01111	P-01110-035-EM	P-01110-040-EM	P-01110-045-EM
#7 OUTSIDE-BOOT				P-00638			
#8 INSIDE							
#8 OUTSIDE-END CAP					P-01113	P-01112-040-EM	P-01112-045-EM
#8 OUTSIDE-BOOT					P-00639		
#9 INSIDE							
#9 OUTSIDE-END CAP						P-01115	P-01114-045-EM
#9 OUTSIDE-BOOT						P-00640	
#10 OUTSIDE-END CAP							P-01117
#10 OUTSIDE-BOOT							P-00641



METRIC TAKE-APART MEASURING

NOTE: Measuring Stick Sections are unique for each size stick!

SECTION #	USTS-TA-016-MMI	USTS-TA-020-MMI	USTS-TA-025-MMI	USTS-TA-030-MMI	USTS-TA-035-MMI	USTS-TA-040-MMI	USTS-TA-045-MMI
#1 TIPOCK	P-00634-016-MMI	P-00634-020-MMI	P-00634-025-MMI	P-00634-030-MMI	P-00634-035-MMI	P-00634-040-MMI	P-00634-045-MMI
#1 NON TIPOCK	P-01101-016-MMI	P-01101-020-MMI	P-01101-025-MMI	P-01101-030-MMI	P-01101-035-MMI	P-01101-040-MMI	P-01101-045-MMI
#2	P-01102-016-MMI	P-01102-020-MMI	P-01102-025-MMI	P-01102-030-MMI	P-01102-035-MMI	P-01102-040-MMI	P-01102-045-MMI
#3	P-01103-016-MMI	P-01103-020-MMI	P-01103-025-MMI	P-01103-030-MMI	P-01103-035-MMI	P-01103-040-MMI	P-01103-045-MMI
#4 INSIDE		P-01104-020-MMI	P-01104-025-MMI	P-01104-030-MMI	P-01104-035-MMI	P-01104-040-MMI	P-01104-045-MMI
#4 OUTSIDE-END CAP	P-01105						
#4 OUTSIDE-BOOT	P-00635						
#5 INSIDE		P-01107	P-01106-025-MMI	P-01106-030-MMI	P-01106-035-MMI	P-01106-040-MMI	P-01106-045-MMI
#5 OUTSIDE-END CAP							
#5 OUTSIDE-BOOT		P-00636					
#6 INSIDE				P-01108-030-MMI	P-01108-035-MMI	P-01108-040-MMI	P-01108-045-MMI
#6 OUTSIDE-END CAP			P-01109				
#6 OUTSIDE-BOOT			P-00637				
#7 INSIDE							
#7 OUTSIDE-END CAP				P-01111	P-01110-035-MMI	P-01110-040-MMI	P-01110-045-MMI
#7 OUTSIDE-BOOT				P-00638			
#8 INSIDE							
#8 OUTSIDE-END CAP					P-01113	P-01112-040-MMI	P-01112-045-MMI
#8 OUTSIDE-BOOT					P-00639		
#9 INSIDE							
#9 OUTSIDE-END CAP						P-01115	P-01114-045-MMI
#9 OUTSIDE-BOOT						P-00640	
#10 OUTSIDE-END CAP							P-01117
#10 OUTSIDE-BOOT							P-00641



HEAVY DUTY SUBSTATION

NOTE: All sections of the Substation Stick come complete and fully assembled with buttons and plugs.

Contact factory for availability of individual components.



SECTION #	USTS-H02-DH	USTS-H03-DH	USTS-H02-SE	USTS-H03-SE	USTS-H02-QC	USTS-H03-QC
#1 INSIDE	P-00481		P-00480		P-00184	
#2 INSIDE		P-00186		P-00186		P-00186
#2 OUTSIDE-END CAP	P-00185		P-00185		P-00185	
#2 OUTSIDE-BOOT	P-00223		P-00223		P-00223	
#3 OUTSIDE-END CAP		P-00187		P-00187		P-00187
#3 OUTSIDE-BOOT		P-00205		P-00205		P-00205

PLUGS, BUTTONS, AND SPRINGS

(Includes Plug, Spring, Button, Spring Caps and Fasteners for one section)



STANDARD SECTION #	HEAVY DUTY SECTION#	# of SPRING CAPS	# FASTENER PINS*	PART #
#1 TIPOCK BUTTON		0	1 ROLL PIN	P-00127
#1		0	2 ROLL PINS	P-00128
#2	#1	1	2 DRIVE PINS	P-00129
#3 INSIDE	#2	1	2 DRIVE PINS	P-00130
#4 INSIDE	#3	1	2 DRIVE PINS	P-00131
#5 INSIDE	#4	1	2 DRIVE PINS	P-00132
#6 INSIDE	#5 INSIDE	1	2 DRIVE PINS	P-00133
#7 INSIDE	#6 INSIDE	2	2 DRIVE PINS	P-00134
#8 INSIDE	#7 INSIDE	3	2 DRIVE PINS	P-00135
#9 INSIDE	#8 INSIDE	4	4 DRIVE PINS	P-00136
#10 INSIDE		5	4 DRIVE PINS	P-00137
#11 INSIDE		6	4 DRIVE PINS	P-00506

****NOTE: Drive Pins require a #15 drill bit. Roll Pins require a 1/8" drill bit. Only use flat head Drive Pins supplied by USI.***

BUTTONS AND SPRING KITS



Spring



Spring Cap



Button



Drive Pin*



Roll Pin
(section #1 only)

Individual Sections

STANDARD SECTION #	HEAVY DUTY SECTION #	# of SPRING CAPS	# FASTENER PINS*	PART #
#1 TIPLOCK BUTTON		0	1 ROLL PIN	P-00157
#1		0	2 ROLL PINS	P-00147
#2	#1	1	2 DRIVE PINS	P-00148
#3 INSIDE	#2	1	2 DRIVE PINS	P-00149
#4 INSIDE	#3 INSIDE	1	2 DRIVE PINS	P-00150
#5 INSIDE	#4 INSIDE	1	2 DRIVE PINS	P-00151
#6 INSIDE	#5 INSIDE	1	2 DRIVE PINS	P-00152
#7 INSIDE	#6 INSIDE	2	2 DRIVE PINS	P-00153
#8 INSIDE	#7 INSIDE	3	2 DRIVE PINS	P-00154
#9 INSIDE	#8 INSIDE	4	4 DRIVE PINS	P-00155
#10 INSIDE		5	4 DRIVE PINS	P-00156
#11 INSIDE		6	4 DRIVE PINS	P-00505

Complete Stick

STANDARD	HEAVY DUTY	PART #
USTS-004		USTS-004-BUTTON-KIT
USTS-006		USTS-006-BUTTON-KIT
USTS-008		USTS-008-BUTTON-KIT
USTS-010		USTS-010-BUTTON-KIT
USTS-012		USTS-012-BUTTON-KIT
USTS-016		USTS-016-BUTTON-KIT**
USTS-020	USTS-HD-016	USTS-020-BUTTON-KIT**
USTS-025	USTS-HD-020	USTS-025-BUTTON-KIT**
USTS-030	USTS-HD-025	USTS-030-BUTTON-KIT**
USTS-035	USTS-HD-030	USTS-035-BUTTON-KIT**
USTS-040	USTS-HD-035	USTS-040-BUTTON-KIT**
USTS-045	USTS-HD-040	USTS-045-BUTTON-KIT**
USTS-050	USTS-HD-045	USTS-050-BUTTON-KIT**
USTS-055	USTS-HD-050	USTS-055-BUTTON-KIT**

(Includes all necessary Springs, Buttons, Spring Caps, and Fasteners)

** includes Tiplock Button & Spring

***NOTE: Drive Pins require a #15 drill bit. Roll Pins require a 1/8" drill bit. Only use flat head Drive Pins supplied by USI.**

Drive Pins

(bulk kit of 20 drive pins)



P-00688

Tip-Lock Button & Spring Kit

(includes Roll Pin, 3/8"-16 Hex Head Removal Tool, Button, and Spring)



P-00157

END CAPS, BOOTS, SPLINE END, AND BANDS



End Cap Assembly (includes fasteners)

Rubber Boot (includes fasteners)

STANDARD	HEAVY DUTY	# FASTENERS	PART #
USTS-004		2	P-00158
USTS-006		2	P-00159
USTS-008		2	P-00160
USTS-010		2	P-00161
USTS-012		2	P-00162
USTS-016		2	P-00159
USTS-020	USTS-HD-016	2	P-00160
USTS-025	USTS-HD-020	2	P-00161
USTS-030	USTS-HD-025	2	P-00162
USTS-035	USTS-HD-030	2	P-00163
USTS-040	USTS-HD-035	4	P-00164
USTS-045	USTS-HD-040	4	P-00165
USTS-050	USTS-HD-045	4	P-00166
USTS-055	USTS-HD-050	4	P-00503

FOR STICK	HEAVY DUTY	PART #
USTS-016		P-00224
USTS-020	USTS-HD-016	P-00225
USTS-025	USTS-HD-020	P-00226
USTS-030	USTS-HD-025	P-00227
USTS-035	USTS-HD-030	P-00228
USTS-040	USTS-HD-035	P-00229
USTS-045	USTS-HD-040	P-00230

***NOTE: End Cap and Rubber Boot fasteners require a #25 drill bit.**

Spline End

ITEM	FITS	BEFORE 2019	CURRENT
USTS SPLINE END ASSEMBLY w/ FASTENERS AND THUMB SCREW	STANDARD & MEASURING STICKS (USTS-004 THRU USTS-055)	P-00045	P-00687
THUMB SCREW w/ CAPTIVEWASHER	ALL SPLINE ENDS	B-00105	



Protective Silicone Band

STANDARD	HEAVY DUTY	TAKE-APART	SUBSTATION	PART #
USTS-016		USTS-TA-016	USTS-H02	B-01040
USTS-020	USTS-HD-016	USTS-TA-020	USTS-H03	B-01041
USTS-025	USTS-HD-020	USTS-TA-025		B-01042
USTS-030	USTS-HD-025	USTS-TA-030		B-01043
USTS-035	USTS-HD-030	USTS-TA-035		B-01044
USTS-040	USTS-HD-035	USTS-TA-040		B-01045
USTS-045	USTS-HD-040	USTS-TA-045		B-01046
USTS-050				B-01047



Shotgun Sticks Parts Guide

USSG-004 THRU USSG-010



B-00302 5/16"-18 X 1-1/2" FULL THREAD STUD (INTERNAL ROD ONLY)



B-00551 10-24 X 1/4 FLAT HEAD MACHINE SCREW



C-00320 SHOTGUN HOOK



C-00321 RACK STOP



C-00456 INTERNAL ROD MACHINED SLOT COVER CLEAR



P-00168 SHOTGUN HANDLE ASSEMBLY



C-00455 INTERNAL OPERATING ROD CONNECTOR



USSA-HGR PLASTISOL HANGER & CLAMP

OPERATING ROD ASSEMBLY

FOR STICK	PART #
EXTERNAL ROD	
USSG-004-ER**	P-00169
USSG-006-ER**	P-00170
USSG-008-ER**	P-00171
USSG-010-ER**	P-00172
INTERNAL ROD	
USSG-004-IR**	P-00173
USSG-006-IR**	P-00174
USSG-008-IR**	P-00175
USSG-010-IR**	P-00176
INTERNAL ROD W/ BOTTOM BREAK HOOK	
USSG-004-IR**-BBH	P-00177
USSG-006-IR**-BBH	P-00178
USSG-008-IR**-BBH	P-00179
USSG-010-IR**-BBH	P-00180





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