

## UTILITY SOLUTIONS - AN OVERVIEW

Utility Solutions is a designer and manufacturer of hot line tools and associated products to solve operating problems encountered by utility field personnel. Utility Solutions was founded in 1990 by engineering personnel with broad experience within the electrical distribution industry. Since 1990 the staff of Utility Solutions have accumulated an impressive list of patented hot line oriented products.

If you are looking to solve a problem or need a tool to perform a specific function call Utility Solutions. If you have an idea for a new product, Utility Solutions is small enough to listen and large enough to turn an idea into a product reality.

Utility Solutions has a comprehensive staff of technical personnel with "hands-on" expertise in materials engineering, mechanical engineering, electrical engineering, machine design and production scale up. New product ideas are computer detailed then transformed into reality within our production facility which includes CNC machining, molding, fiberglass and assembly capability. Where big companies require months or years, Utility Solutions can complete new product prototyping in weeks.

If you have any questions regarding any product found within this catalog please call your Utility Solutions sales representative or the factory for assistance.

***Think of Utility Solutions whenever you need assistance related to hot line tools and associated products.***

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# UTILITY SOLUTIONS

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## Load Break Tools



## LOAD-RANGER® XLT Load Break Tool

### **LIGHT**

Weighing under 5 pounds, the XLT line of Load Break Tools are by far the lightest portable load break tools available in the world. The XLT-1 is approximately 1.2 pounds lighter than the competition. Ask any lineman and tool weight becomes extremely important when the tool is attached to the end of an extended fiberglass operating stick. The lighter the better for optimum tool control and minimal operator fatigue.

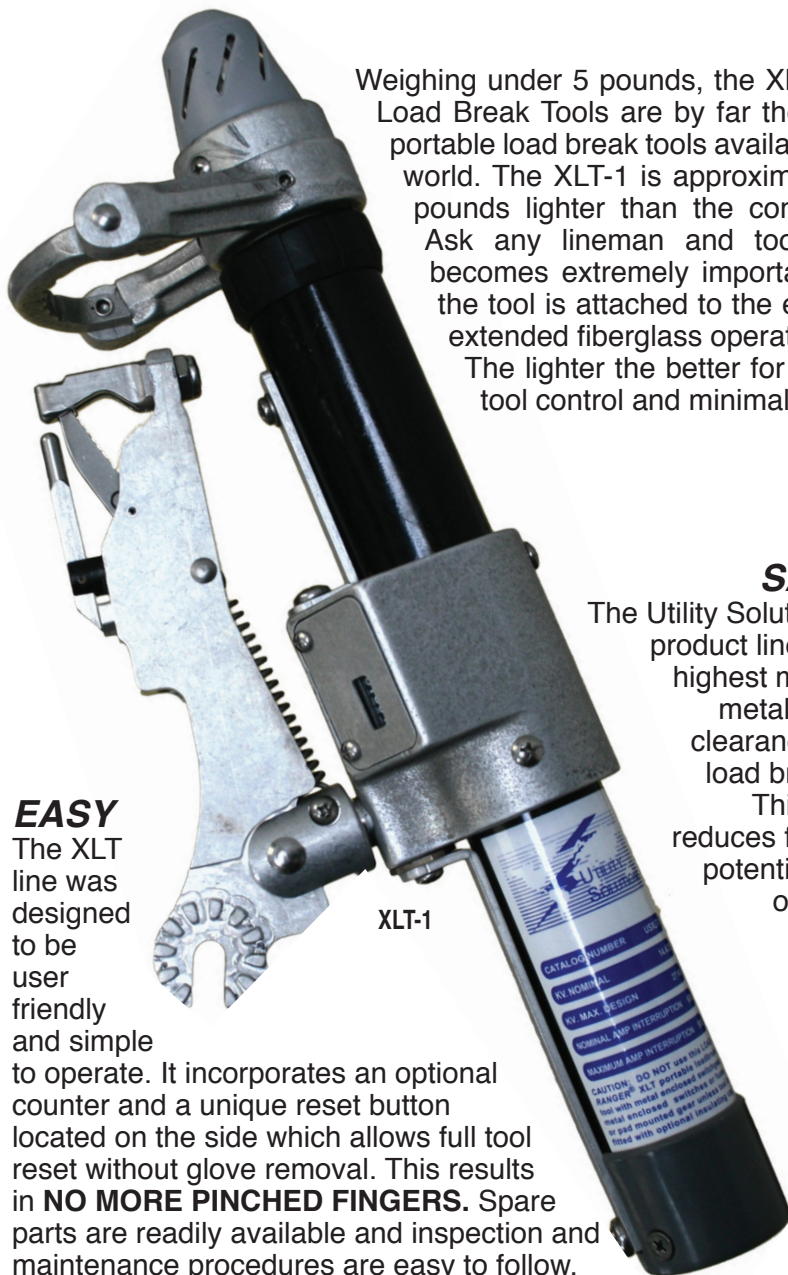
### **SAFETY**

The Utility Solutions XLT product line has the highest measured metal-to-metal clearance of any load break tool. This greatly reduces flashover potential during operation.

### **EASY**

The XLT line was designed to be user friendly and simple to operate. It incorporates an optional counter and a unique reset button located on the side which allows full tool reset without glove removal. This results in **NO MORE PINCHED FINGERS**. Spare parts are readily available and inspection and maintenance procedures are easy to follow.

XLT-1





The **Pad Mount (P)** unit is designed to give the operator maximum operational clearance when working with pad mount equipment.

The Pad Mount (P) model is supplied with:

- (1) A molded snap-on hood
- (2) A low silhouette operating arm.



COMPARISON	LOAD-RANGER® XLT -1	COMPETITION	LOAD-RANGER® 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	4.2 LBS	5.4 LBS	4.85 LBS	Est. 6 LBS
COUNTER AVAILABLE	OPTIONAL	MANDATORY	OPTIONAL	MANDATORY
METAL TO METAL CLEARANCE DURING STROKE (FLASHOVER RESIS- TANCE)	8.2" EST	7.1" EST	12.2" EST	10" EST
RESET FUNCTION	UNIQUE SIDE LOCATION <i>NO PINCH DESIGN</i>	TOP LOCATION	UNIQUE SIDE LOCATION <i>NO PINCH DESIGN</i>	TOP LOCATION

***The Lightest, Most User-Friendly Portable Load Break Tool Available!***



#### HOW TO ORDER:

USLR-XLT-1	UP TO 27 kV RATED, 900 AMP WITH COUNTER
USLR-XLT-2	27 kV - 38 kV RATED, 900 AMP WITH COUNTER
OPTIONS	
USLR-xxx-x-P	PAD MOUNT ARM AND EXTENDED HOOD
USLR-xxx-x-H	WITH HARD CARRYING CASE
USLR-xxx-x-S	WITH SOFT CARRYING CASE
USLR-xxx-x-NC	NO COUNTER
USLR-xxx-x-NC-H	NO COUNTER WITH HARD CARRYING CASE
USLR-xxx-x-NC-S	NO COUNTER WITH SOFT CARRYING CASE

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

### PORTABLE SWITCH

The BREAK-SAFE® is the only load break and load pickup tool available in the world. Lightweight and compact, in the hands of a trained lineman the BREAK-SAFE® functions as a portable switch to provide repair/maintenance convenience and flexibility almost anywhere on the system.

### EASY & SAFE

Simply pull down on the black strap to break load. Use an insulated fiberglass stick to remotely activate the trigger and pickup load. The tool comes with a positive lock to insure the tool stays in either the circuit open or circuit closed position until the operator is ready to proceed. A yellow band on the black pull strap provides the operator visual assurance the tool has fully closed and is ready for the next load break function.

### POWERFUL

This tool is a “must have” for any organization committed to minimizing repair/maintenance down time and providing field repair personnel the utmost in support capability. Comes equipped with a parking stand to permit use of existing jumper cables.

### OPTIONS

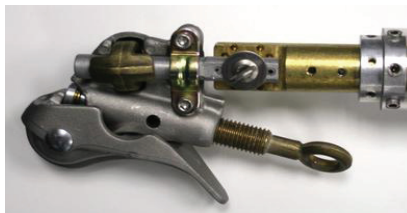
The BREAK-SAFE® is offered in 15 kV, 27 kV, and 46 kV ratings. For those organizations that do not allow the use of gloved installation, Utility Solutions offers the duckbilled style head. This option along with a special positive lock design, allows the BREAK-SAFE® to be installed and removed from the line using a shotgun stick.



USBS-15-1-PS



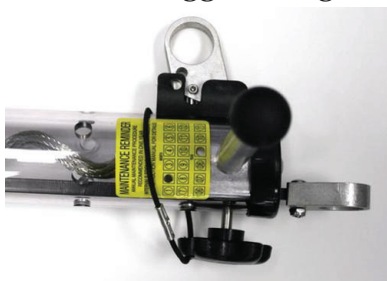
Floating Head (USBS-15-1-PS)



Duckbilled Style (USBS-15-2)

COMPARISON	BREAK-SAFE® USBS-15	BREAK-SAFE® USBS-27	BREAK-SAFE® USBS-46	COMPETITION
OPERATIONAL VOLTAGE	15 kV	27 kV	46 kV	NONE
LOAD BREAK RATING	300 AMP	300 AMP	200 AMP	NONE
LOAD PICKUP RATING	300 AMP	300 AMP	200 AMP	NONE
CONTINUOUS CURRENT RATING	300 AMP	300 AMP	200 AMP	NONE
CONDUCTOR SIZE	#6 COPPER MIN. up to 954 ACSR (1.1" dia.) MAX.	#6 COPPER MIN. up to 954 ACSR (1.1" dia.) MAX.	#6 COPPER MIN. up to 954 ACSR (1.1" dia.) MAX.	NONE
WEIGHT	7.1 LBS	7.9 LBS	10.1 LBS	NONE
DIMENSIONS	27" long x approx. 2.5" dia.	31" long x approx. 2.5" dia.	39" long x approx. 2.5" dia.	NONE

## Remote Trigger Design!



Bottom

## The ONLY Load Break & Pick-up Tool Available!



Optional Soft Case

## HOW TO ORDER:

USBS-15-1-PS	15 kV - 300 AMPS WITH FLOATING HEAD
USBS-15-2-PS	15 kV - 300 AMPS WITH DUCKBILLED STYLE
USBS-27-1-PS	27 kV - 300 AMPS WITH FLOATING HEAD
USBS-27-2-PS	27 kV - 300 AMPS WITH DUCKBILLED STYLE
USBS-46-1-PS	46 kV - 200 AMPS WITH FLOATING HEAD
USBS-46-2-PS	46 kV - 200 AMPS WITH DUCKBILLED STYLE
OPTIONS	
USBS-xx-x-PS-S	WITH SOFT CARRYING CASE



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# **BREAK-SAFE®**

## **PORTABLE LOAD BREAK & LOAD-PICKUP JUMPER CLAMP**

### **EXAMPLE CIRCUIT BREAK / MAKE APPLICATION**

#### **CIRCUIT BREAK APPLICATION**

Pull the **BREAK-SAFE®** aluminum pull ring connected to the black plastic pull strap until the tool locks in the OPEN position with the yellow internal tube visible.

Once the tool is open (yellow tube exposed), insert the black locking pin (attached to the elastic band) into the black lock body, completely through the cam reset button and exiting the other side of the black lock body. The locking pin must be fully inserted until the large diameter is against the lock base and cannot be inserted any further. This hole location will be clearly identified on the bottom decal by a red arrow. This pin serves as a safety measure to lock the tool in the OPEN position only.

**NOTE:** The locking pin has been designed to hold the tool in the open position and secure the load-pickup trigger (cam reset button) from inadvertently being accidentally pulled or bumped. When the **BREAK-SAFE®** has been properly opened (yellow tube visible), the locking pin should easily insert into the black lock body and through the cam reset button. If the locking pin cannot be inserted into the black locking base and through the cam reset button it alerts the operator the cam button has been accidentally/partially operated and the tool needs to be properly reset. To properly reset the **BREAK-SAFE®**, pull down on the aluminum pull ring connected to the black plastic strap with enough force so the cam reset button returns to the full raised position. Now insert the locking pin into the black lock body and through the cam reset button until fully seated. This action should be smooth and require to effort.

Securely attach the **BREAK-SAFE®** jumper head (MAKE SURE TOOL IS IN THE OPEN POSITION WITH THE LOCKING PIN IN PLACE) to one side of the area to be bypassed, we'll call side "A".

Securely attach the non **BREAK-SAFE®** jumper head to the other side of the area to be bypassed, we'll call side "B".

Prior to energizing the **BREAK-SAFE®** jumper it is necessary to remove the locking pin from the black lock body and cam reset button. Now energize the **BREAK-SAFE®** temporary jumper system. This is accomplished by using a hotstick or shotgun stick to pull the cam reset button in a downward movement to trigger the load pickup action of the tool. After the tool has been closed, insert the locking pin into the hole at the base of the **BREAK-SAFE®** to lock the tool in the closed position to prevent accidental opening of the tool. This hole location will be clearly identified on the bottom decal by a red arrow.

Using supervising utility standard safety practices and procedures, the permanent circuit can now be cut and both ends insulated and isolated.

Prior to opening the **BREAK-SAFE®** jumper circuit, remove the locking pin from the base of the **BREAK-SAFE®** tool. Break the circuit by pulling down on the **BREAK-SAFE®** aluminum pull ring/black plastic strap until the tool locks in the OPEN position with the yellow internal tube visible.

Once the tool is open (yellow tube exposed), insert the black locking pin into the black lock body, completely through the cam reset button and exiting the other side of the black lock body. The locking pin must be fully inserted until the large diameter is against the lock base and cannot be inserted any further. This hole location will be clearly identified on the bottom decal by a red arrow. This pin serves as a safety measure to lock the tool in the OPEN position only.

Verify there is NO VOLTAGE on side "B", at the non **BREAK-SAFE®** jumper head. Remove the **BREAK-SAFE®** jumper head, side "A".

Remove the **BREAK-SAFE®** jumper head, side "A".

Remove the non **BREAK-SAFE®** jumper head, side "B".

Attach temporary grounding clamp on side "B" near the non **BREAK-SAFE®** jumper head.

Perform all necessary work on the de-energized portion on the circuit.

#### **CIRCUIT MAKE APPLICATION**

Remove the temporary grounding clamp from side "B", near the non- **BREAK-SAFE®** jumper head. Pull the **BREAK-SAFE®** aluminum pull ring/black plastic strap until the tool locks in the OPEN position with the yellow internal tube visible.

Once the tool is open (yellow tube exposed), insert the black locking pin (attached to the elastic band) into the black lock body, completely through the cam reset button and exiting the other side of the black lock body. The locking pin must be fully inserted until the large diameter is against the lock base and cannot be inserted any further. This hole location will be clearly identified on the bottom decal by a red arrow. This pin serves as a safety measure to lock the tool in the OPEN position only. Refer to earlier note to verify proper opening and locking of the **BREAK-SAFE®**.

Using supervising utility safety practices, securely attach the non **BREAK-SAFE®** jumper head to non-energized (side "B") of the circuit to be energized.

Securely attach the **BREAK-SAFE®** jumper head to the energized leg side "A" of the circuit.

Prior to energizing the **BREAK-SAFE®** jumper it is necessary to remove the locking pin from the black lock body and cam reset button. Now energize the **BREAK-SAFE®** temporary jumper system. This is accomplished by using a hotstick or shotgun stick to pull the cam reset button in a downward movement to trigger the load pickup action of the tool. After the tool has been closed, insert the locking pin into the hole at the base of the **BREAK-SAFE®** to lock the tool in the closed position to prevent accidental opening of the tool. This hole location will be clearly identified on the bottom decal by a red arrow.

Using supervising utility standard safety practices, uncover the permanent jumpers and reconnect.

Prior to opening the **BREAK-SAFE®** jumper circuit, remove the locking pin from the base of the **BREAK-SAFE®** tool. Break the circuit by pulling down on the **BREAK-SAFE®** aluminum pull ring/black plastic strap until the tool locks in the OPEN position with the yellow internal tube visible.

Once the tool is open (yellow tube exposed), insert the black locking pin into the black lock body, completely through the cam reset button and exiting the other side of the black lock body. The locking pin must be fully inserted until the large diameter is against the lock base and cannot be inserted any further. This hole location will be clearly identified on the bottom decal by a red arrow. This pin serves as a safety measure to lock the tool in the OPEN position only.

Remove the non **BREAK-SAFE®** jumper head from side "B".

Lastly, remove the **BREAK-SAFE®** jumper head from side "A".



## Mini-Max™ Portable Load Pick-up Tool



USMM-001/002

### *No More Lanyards!*

Operational voltage 27 kV maximum.

Continuous current rating 300 Amp maximum.

Can be used on main line conductor size ranging from #6 copper minimum up to 954 ACSR (1.1" diameter) maximum.

Product weight: 7.1 pounds

Product dimension: 20" long x approximately 2.5" diameter.

The Mini-Max™ is a lightweight, compact, portable load pick-up tool. The Mini-Max™ incorporates the revolutionary safety features of the Break-Safe™ line of tools and incorporates them into a device for load pick-up only.

Load pick up is initiated remotely utilizing a hot stick rather than a bulky lanyard or unsafe hand activation. The Mini-Max™ employs the same fail safe locking pin to prevent accidental load-pick as well as a unique gravity catch lock to prevent the operator from breaking load in the energized state.



*USMM-002 with Duckbilled Head*

The Mini-Max™ is offered in a variety of configurations including floating head for gloved work, duckbilled head for stick operation as well as an option for a soft carrying case.

### HOW TO ORDER:

[utilityolutionsinc.com](http://utilityolutionsinc.com)

USMM-001	27 kV - 300 AMPS WITH FLOATING HEAD
USMM-001-S	WITH SOFT CARRYING CASE
USMM-002	27 kV - 300 AMPS WITH DUCKBILLED STYLE
USMM-002-S	WITH SOFT CARRYING CASE



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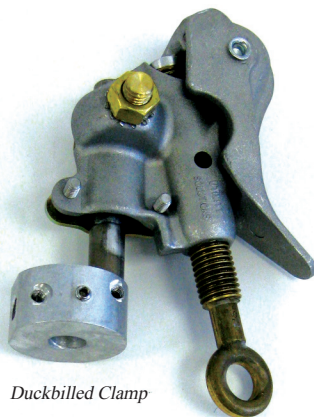
*Additional Protection that's  
Lightweight & Highly Portable!*

#### USFS-001/002

Product dimension: Varies according to the fuse selected.  
Product weight: 2.5 pounds

The Fuse-Safe™ quickly creates a temporary portable current limiting fuse device out of any current limiting fuse with 1/2" diameter end studs. The Fuse-Safe™ can be used in series with the Utility Solutions BREAK-SAFE® tool to add temporary fuse and fault close in protection.

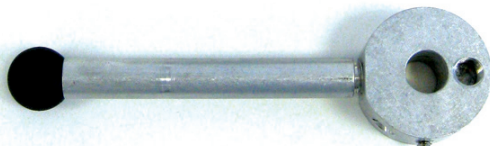
The Fuse-Safe™ consists of an upper duckbill clamp coupling and a lower parking stand coupling. The lower coupling incorporates a fixed parking stand that provides flexibility to the user during installation and operation. Installation of the upper and lower coupling requires only the use of a standard 1/8" Allen wrench (provided).



*Duckbilled Clamp*

USFS-001 can be provided with a current limiting fuse selected by the customer. Contact Utility Solutions regarding current limiting fuse selection and pricing.

Specify USFS-002. Current limiting fuses provided in the USFS-002 are supplied by T&B Hi-Tech Fuses.



#### HOW TO ORDER:

[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

USFS-001	UPPER AND LOWER COUPLINGS WITHOUT FUSE
USFS-002	WITH FUSE INCLUDED (contact factory for details)



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## Overhead Distribution



## Jack Jumper™

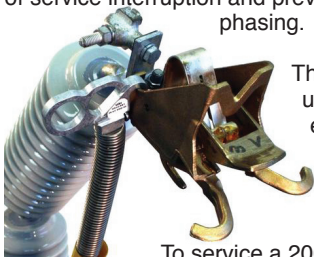


USJJ-001

*No More  
Jumper  
Cables!*

### USJJ

The Jack Jumper™ permits a safe and quick method to bypass an overhead cutout without the tedious use of bulky jumper cables. With the use of a shotgun stick place one end of the Jack Jumper™ on the arcing horn of the cutout. Pull down on the other end of the Jack Jumper™ and secure to the cradle end of the cutout. The bypass has been established! The tool is indispensable for fuse coordination tasks and permits easy bypass of an underground dip. The Jack Jumper™ saves time and money, eliminates risk of service interruption and prevents accidental cross phasing.



The Jack Jumper™ utilizes a stainless steel external spring to provide many years of trouble free field service.

To service a 200 Amp cutout simply add a second Jack Jumper™ to the opposite cutout horn.



USJJ-002



USJJ-004



USJJ-005



USJJ-007

	USJJ-001	USJJ-002	USJJ-004	USJJ-005	USJJ-007
<b>RATING</b>	15 kV STANDARD	27 kV STANDARD	27 kV LOAD BREAK CUTOUT	38 kV STANDARD+ SMD-20 15kV POWER FUSE	SMD-20 38 kV POWER FUSE
<b>MAX. STRETCH</b>	9.5"	14.5"	14"	19"	40"
<b>WEIGHT</b>	12 oz.	15 oz.	15 oz.	1.2 lbs.	1.9 lbs.

### HOW TO ORDER:

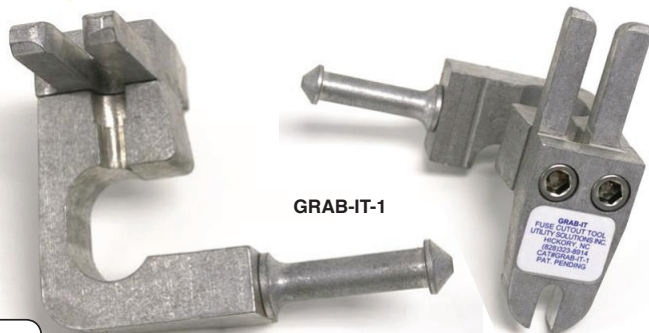
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USJJ-001	15 kV JACK JUMPER™
USJJ-002	27 kV JACK JUMPER™
USJJ-004	27 kV JACK JUMPER™
USJJ-005	38 kV JACK JUMPER™
USJJ-007	38 kV JACK JUMPER™
USJJ-xxx-S	OPTIONAL SOFT CASE (not available on the USJJ-004 or USJJ-007)



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## Grab-It™



GRAB-IT-1

### GRAB-IT

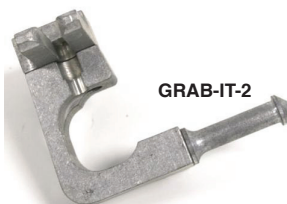
The Grab-It™ offers an easy, simple and economical method to safely remove or install overhead fuse barrels. The Grab-It™ design provides positive control of the fuse barrel even in high wind conditions to prevent accidental drops.

No need to find the fuse barrel pull ring or lifting eye which is difficult in low lighting conditions. Simply sweep behind the fuse barrel and lift.

The Grab-It™ works as well at the end of a 50 ft telescopic as it does at the end of an 8 ft bucket stick. Requires no special stick movement or procedure to operate.



*Works well on a 50 ft telescopic or an 8 ft bucket stick.*



GRAB-IT-2



GRAB-IT-3

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.

	GRAB-IT-1	GRAB-IT-2	GRAB-IT-3
FUSE TUBES	100 AMP	100 & 200 AMP	100 AMP
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:

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



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## Klondike Clamp



USCP-001

***Saves  
Time &  
Protects  
Blankets!***

### USCP-001/002

The Klondike Clamp eliminates the use of tie wraps, bungee cords, Velcro or tape when securing a rubber blanket about a pole. The Klondike Clamp series of tools quickly and safely secures blankets in position on pole diameters ranging from 6" through 20" without damaging the blanket.



USCP-002

Molded from a tough weather resistant polymer with all stainless steel hardware the Klondike Clamp will provide long maintenance free field life.

Due to the large jaw opening the Klondike 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.

Now in two sizes.

	USCP-001	USCP-002
POLE RANGE	6" - 11" dia.	11" - 20" dia.
LENGTH	16"	23"
WEIGHT	8.2 oz.	19.7 oz.



### HOW TO ORDER:

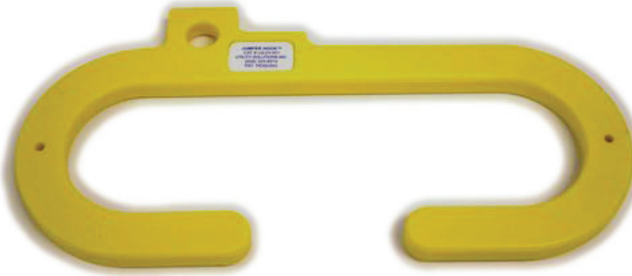
[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

USCP-001	LARGE KLONDIKE CLAMP
USCP-002	EXTRA-LARGE KLONDIKE CLAMP



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## Jumper Hook



*No More  
Jumper Lead  
Sag!*

### USJH-001

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

Product weight: 6 oz.

The Jumper Hook is designed to prevent jumper cable sag and potential cross-phasing



situations without the time consuming use of tape, bungee cord or rope. The jumper hook can be installed by gloved hand or utilizing a shotgun style stick. The Jumper Hook will fit over Class 2 or 3 line hose. The jumper Hook also helps minimize a jumper cable swaying in high winds.

Simply hang multiple Jumper Hook units along the intended jumper cable path and let the lower portion of the Jumper Hook cradle the jumper cable.

The Jumper Hook is manufactured from a nearly indestructible weather resistant high visibility safety yellow polymer. The Jumper Hook exhibits a flashover resistance of over 50 kV.

### HOW TO ORDER:

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USJH-001

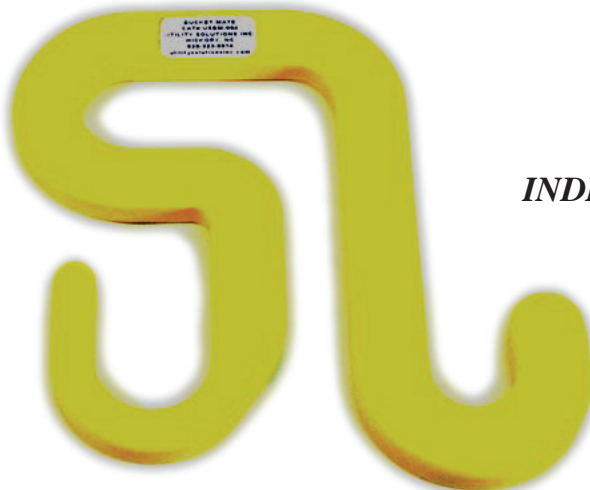
JUMPER HOOK



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## Bucket-Mate Polymeric Hook



*Virtually*  
**INDESTRUCTIBLE!**  
(during routine use)

**USBM-004**

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

Product Weight: 5 oz.

The Utility Solutions Bucket-Mate is a nearly indestructible bucket hook that simply will not break even if exposed to cold temperature extremes. The Bucket-Mate is double ended allowing the large hook to accept a tool bag, while the opposite smaller 1/2" end will accept blanket holes without damaging the blanket. This will be the last Bucket-Hook you ever have to purchase.

Unlike conventional molded bucket hooks, the Utility Solutions Bucket-Mate is machined from high performance polymer sheet stock.

### HOW TO ORDER:

[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

USBM-004

BUCKET-MATE POLYMERIC HOOK

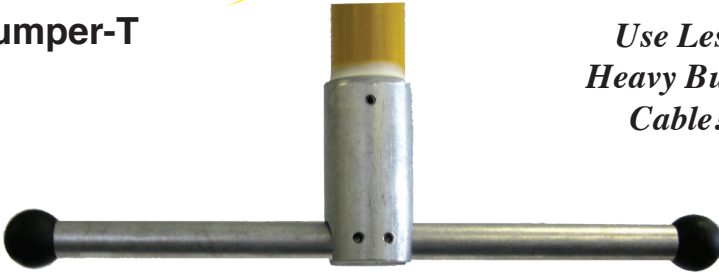


  
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SOLUTIONS**  
*Innovative Products  
for the 21<sup>st</sup> Century Lineman*  
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Fax: 828-323-8410



## Jumper-T

*Use Less  
Heavy Bulky  
Cable!*



USJT-001

### USJT-001/002

Dimensions:

Product Weight:

The Jumper-T series of tools allows for the safe usage of jumper operations, and acts as a portable connector terminal. This eliminates the need for a bulky expensive single length of cable and allows for multiple smaller lengths of cable to be utilized.

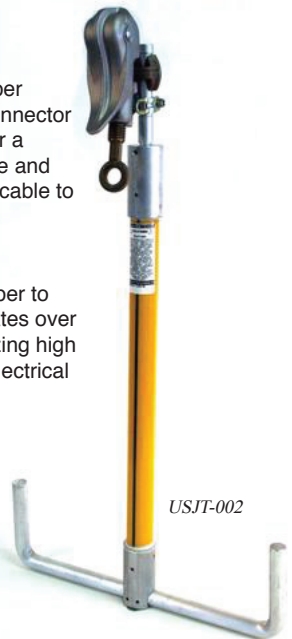


Duckbill top clamp

The duckbill top clamp will work on conductor sizes ranging from #6 copper to 1033 MCM. The Jumper-T incorporates over 15" of metal-to-metal separation utilizing high performance closed cell foam filled electrical rated fiberglass.

The USJT-001 has a straight  $\frac{1}{2}$ " dia. aluminum jumper bar.

The USJT-002 has a  $\frac{3}{4}$ " dia. aluminum bar bent into handle bar shape to allow for multiple jumper attachment points. This gives the lineman greater flexibility when attaching the jumper.



USJT-002

Contact the factory regarding custom length tools. We will gladly modify the Jumper-T to meet specific customer needs.

### HOW TO ORDER:

[utilityolutionsinc.com](http://utilityolutionsinc.com)

USJT-001

JUMPER-T  $\frac{1}{2}$ " dia. STRAIGHT JUMPER BAR

USJT-002

JUMPER-T  $\frac{3}{4}$ " dia. BENT JUMPER BAR



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## Knife Ball



*Simple &  
Effective!*

**USKB-001**

Product dimension: 2" outside diameter x 2"  
Inside diameter: 1.25"  
Product weight: 1.8 oz.



A skinning knife is not an easy tool to utilize for prolonged periods. The handle prevents ergonomic gripping especially with gloved hands. The Knife Ball is a simple yet effective tool that transforms any standard 1 " skinning knife into an ergonomic tool that is comfortable to use over extended periods even while wearing gloves. The ridged surface also provides superior positive grip even in wet weather.

Secure the Knife Ball into position using two recessed Allen screws, which allow the position of the knife ball to be adjusted for maximum ergonomic comfort. In the event the skinning knife requires replacement, the Knife Ball can easily be removed and transferred to a new skinning knife.



### HOW TO ORDER:

[utilityolutionsinc.com](http://utilityolutionsinc.com)

USKB-001

KNIFE BALL - SKINNING KNIFE HANDLE

VISA

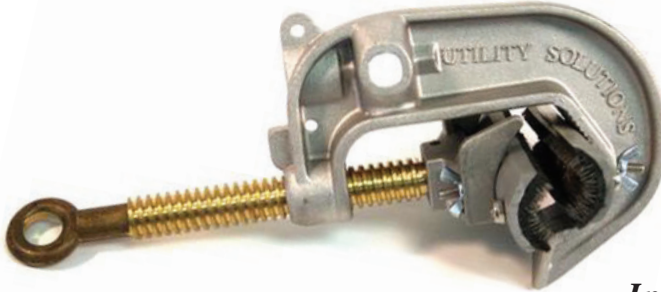
DISCOVER

MasterCard

AMERICAN EXPRESS

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## Small Conductor Cleaning Brush



*Includes  
2 Brush Sets!*

### USCC-001

Conductor size range: #4 minimum through 750 MCM maximum C-clamp design

Product weight: 2.5 pounds

Product dimension: 12" x 5" x 5"

The Utility Solutions Small Conductor Cleaner Brush offers optimum conductor cleaning for the utility serious about achieving solid in-field grounding and jumper connections. The clamp comes supplied with two sets of wire brushes. One set of brushes is designed to work on conductor sizes ranging from 250 MCM to 750 MCM. Another set of brushes is designed to work on conductor sizes ranging from #4 to 250 MCM. All wire brushes are 5" in length. Brushes can be changed without the use of any tools.

The C-clamp design permits either hand held operation or shotgun operation and provides a full 360 degree conductor cleaning. In addition the operator can easily increase the brush aggressiveness on the conductor to remove even the most difficult oxide coating.



USCC-002



USCC-003

### HOW TO ORDER:

[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

USCC-001	SMALL CONDUCTOR CLEANING BRUSH (includes USCC-002 & USCC-003)
USCC-002	REPLACEMENT BRUSH SET FOR 250 MCM - 750 MCM CONDUCTOR
USCC-003	REPLACEMENT BRUSH SET FOR #4 - 250 MCM CONDUCTOR



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## Conductor Cleaning Brush



USCC-004

*The Last Word in  
Oxide Removal!*



USCC-006

### USCC-004/006

The unique design of the Conductor Cleaning Brush permits full 360 degree cleaning and remote operation with use of a shotgun stick. Simply lock the brush into a shotgun stick and push the "V" throat against the conductor to open the jaws and enclose the conductor. Now place the shotgun stick in the unlocked position but keep the conductor cleaner secured within the shotgun end. This will permit the operator to provide a full 360 degree cleaning action on the conductor. Stainless steel tension springs assure aggressive brush cleaning action to remove even the most stubborn oxide layer.

When cleaning is completed return the shotgun stick to the locked position and pull off the conductor. If you are serious about obtaining a solid jumper or grounding connection our cleaning brushes are a must.

Our conductor cleaners are machined from a tough weather resistant polymer. All hardware is stainless steel to provide years of trouble free service. Brush set replacement requires only a Phillips screwdriver.



USCC-005



USCC-007

	CONDUIT SIZE	WEIGHT	REPLACEMENT BRUSH
USCC-004	3" - 11"	1 1/4 LB.	USCC-005
USCC-006	3/4" - 3"	15 OZ.	USCC-007

### HOW TO ORDER:

[utilityolutionsinc.com](http://utilityolutionsinc.com)

USCC-004	LARGE CONDUCTOR CLEANING BRUSH (includes USCC-005)
USCC-006	LARGE CONDUCTOR CLEANING BRUSH (includes USCC-007)
USCC-005	REPLACEMENT BRUSH SET FOR USCC-004
USCC-007	REPLACEMENT BRUSH SET FOR USCC-006



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## Arm Guard Raptor Shield



***Eliminate  
Nesting  
Problems!***

### USAG-001

Product Dimensions: 17" wide x 48" long x 9" high  
Product Weight: 6 pounds

The Arm Guard Raptor Shield offers a unique solution to preventing raptor nesting problems without creating secondary eyesore problems. The arm guard was developed by utility personnel in the picturesque Chesapeake Bay area where unsightly and or obtrusive animal guards were not considered a viable option.



The sloped surface will automatically shed any nesting materials placed on the surface. The Arm Guard Raptor Shield is manufactured from a clear polymer which exhibits high resistance to outdoor weathering, impact resistance & UV degradation.

The Arm Guard comes pre-drilled for easy mounting on wooden cross arms. Alternatively, the Arm Guard Raptor Shield can be installed on concrete or fiberglass cross arms with the use of cable straps.

### HOW TO ORDER:

[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

USAG-001

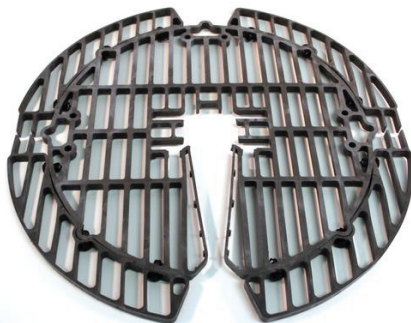
ARM GUARD RAPTOR SHIELD



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## Varmint Shield

*Installs with  
a Shotgun  
Stick!*



### USVS

Product dimensions: 16" / 20" diameter x .5" thickness

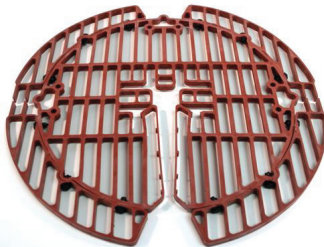
Product weight: 14 oz. / 1.3 lbs.

Color: Gray or Red

The Varmint Shield is the proactive approach to eliminating unscheduled power outages due to animals. The unique design permits the unit to be installed quickly with a shotgun stick without the need to drop service or expose the lineman to energized equipment for installation. The Varmint Shield prevents critters from simultaneously touching the primary and metal case of the transformer.

The Varmint Shield is molded from a UV stabilized and flame retardant polymer to provide many years of maintenance free in field service. The unique design will not trap or accumulate fallen leaves and has no spring components to break off, especially during cold weather installations. The Varmint Shield will handle all distribution system applications and can simultaneously address

both high voltage bushing and adjacent arrester bushing. Molded in diameter lines provide an accurate and easy cutting for in-field installation on bushing diameters ranging from 1.75" est through 6" est.



### HOW TO ORDER:

[utilityolutionsinc.com](http://utilityolutionsinc.com)

USVS-001	16" VARMINT SHIELD - GRAY
USVS-002	16" VARMINT SHIELD - RED
USVS-003	20" VARMINT SHIELD - GREY
USVS-004	20" VARMINT SHIELD - RED



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## Overhead Fuse Cutouts





## Porcelain Overhead Cutout



USCO-001

**Why Pay  
More?**



USCO-003

**USCO-001/003**

The Utility Solutions overhead cutout provides a lower cost alternative to the utility without sacrificing performance or quality. All electrical contacts are silver plated. Tin plated parallel groove connectors are standard. Groove 1 handles #6 solid through #2 stranded. Groove #2 handles #2 solid through 25 mil or 4/0 ACSR. Both models come equipped with a heavy duty galvanized steel shield, arcing horns and NEMA Type B bracket as standard.

The USCO-001 & USCO-003 meet and or exceed all applicable ANSI Performance requirements with testing performed at an accredited Independent laboratory.

Limited inventory in stock at all times. Standard shipment 50 units per pallet. NOTE: The USCO-001 & USCO-003 products are manufactured off-shore to meet Utility Solutions performance and quality criteria.

EQUIVALENT TO:	USCO-001	USCO-003
S&C	89021R10-CD	89022R10-CD
A.B. Chance	C710-412PB	C710-211PB
ABB part number	ABBX2NCBNA11	ABBX2NCBNA12

	VOLTAGE RATING	CONTINUOUS CURRENT	BIL LEVEL	INTERRUPTION LEVEL	LEAKAGE DISTANCE	SIZE	WEIGHT
USCO-001	15 kV	100 AMP	110 kV	10 KA (ASYM)	8.5"	19" x 13.5" x 4.5"	21.5 lbs.
USCO-003	27 kV	100 AMP	125 kV	8 KA (ASYM)	11.0"	15.5" x 13" x 5"	17.5 lbs.

### HOW TO ORDER:

[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

USCO-001 | 15 kV PORCELAIN CUTOUT

USCO-003 | 27 kV PORCELAIN CUTOUT

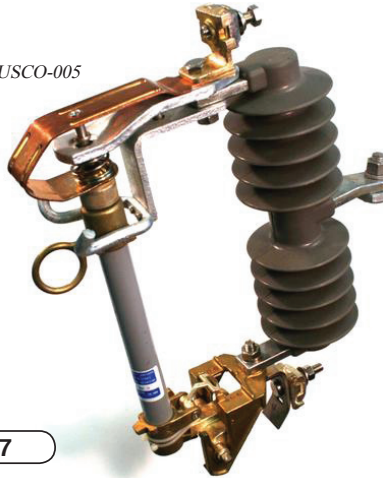


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## Polymeric Overhead Cutout

USCO-005



*Includes  
Stainless Steel  
Hardware!*



USCO-007

### USCO-005/007

The Utility Solutions polymeric cutout provides a lower cost alternative to the utility without sacrificing performance or quality. All electrical contacts are silver plated. Tin plated parallel groove connectors are standard. Groove 1 handles #6 solid through #2 stranded. Groove #2 handles #2 solid through 25 kcmil or 4/0 ACSR. The USCO-005 comes equipped with a heavy duty galvanized arcing horns and NEMA Type B bracket as standard. Manufactured from silicone rubber. All mechanical fasteners are made from 304 type stainless steel which is important in coastal or severe environments.

The Utility Solutions Polymeric Cutout meets and or exceeds all applicable ANSI performance requirements with testing performed at an accredited independent laboratory.

Limited inventory in stock at all times. Standard shipment 50 units per pallet. NOTE: The USCO-005 & USCO-007 products are manufactured off-shore to meet Utility Solutions performance and quality criteria.

EQUIVALENT TO:	USCO-005	USCO-007
S&C	89021R10-PCD	89022R10-PCD (150 kV BIL)
A.B. Chance	C710-112PB	C710-211PB
ABB part number	ABBX1JCNAM11	ABBX2JCBNAM12 (125 kV BIL) & X4JCBNAM12 (150 kV BIL)

	VOLTAGE RATING	CONTINUOUS CURRENT	BIL LEVEL	INTERRUPTION LEVEL	LEAKAGE DISTANCE	SIZE	WEIGHT
USCO-001	15 kV	100 AMP	110 kV	10 KA (ASYM)	8.5"	19" x 13.5" x 4.5"	21.5 lbs.
USCO-003	27 kV	100 AMP	125 kV	8 KA (ASYM)	11.0"	15.5" x 13" x 5"	17.5 lbs.

### HOW TO ORDER:

USCO-005	15 kV POLYMERIC CUTOUT
USCO-007	27 kV POLYMERIC CUTOUT

[utilityolutionsinc.com](http://utilityolutionsinc.com)



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## Expendable Fuse Tube Caps



USCO-060



USCO-061



USCO-062



USCO-063

USCO

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-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 ounce	2 ounce	2.2 ounce	3.2 ounce

### HOW TO ORDER:

[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

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

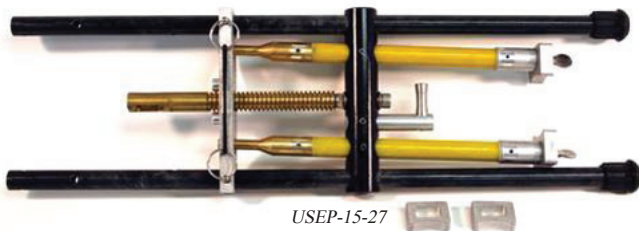


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# Underground Distribution



## Elbow-Mule™



USEP-15-27

*Let the Tool  
do the work!*

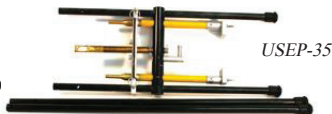
### USEP-15-27/35

Product dimensions: 24" x 7" x 1.5"

Product Weight: 3.9 pounds

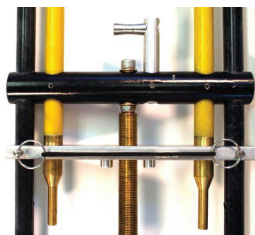
Product Application: 15 kV and 27 kV/ 38 kV rated elbow

Supplied with a soft carrying case.



USEP-35

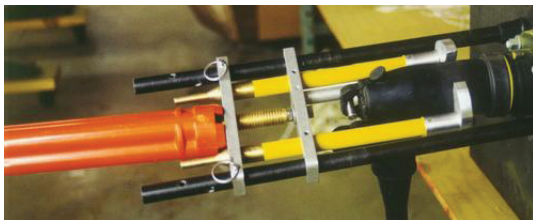
The Elbow-Mule™ is designed to remove the most stubborn seized elbows though the application of screw force without the dangerous use of impact force. The tool is operated using any standard shotgun stick.



The Elbow-Mule™ incorporates inboard and outboard fiberglass legs manufactured from electrical grade fiberglass. These legs compress tightly around the body of the seized elbow during the extraction process creating a steady, consistent, controlled removal operation.

The outboard legs have a number of pre-positioned holes that permit the operator to successfully utilize the tool on a wide variety of front plate configurations.

A convenient storage bag is shipped with both the 15/27 kV and the 35 kV Elbow-Mule™ tools.



### HOW TO ORDER:

[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

USEP-15-27

15 kV & 27 kV Elbow-Mule™

USEP-35

38 kV Elbow-Mule™



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## Universal URD Wrench



*Aluminum & Stainless  
Construction!*

### USUW-001

Product dimension: 12" x 5" x 2.5"

Product weight: 12 oz.

The Universal URD Wrench is the perfect multi-functional tool for utility field personnel responsible for both electrical and water services.

The tool handle incorporates an ANSI penta-head wrench as well as a standard six point 3/4" wrench on opposite ends.

The stainless steel tool shaft is multifunctional. The end of the tool shaft is beveled to allow it to act as a screwdriver. The tool shaft permits the easy prying of manhole covers and is also great for cleaning out debris on pad gear lock pockets.

Constructed of high strength aluminum and stainless steel for rugged durability.



Penta-head Wrench



3/4" Hex Wrench



### HOW TO ORDER:

[utilityolutionsinc.com](http://utilityolutionsinc.com)

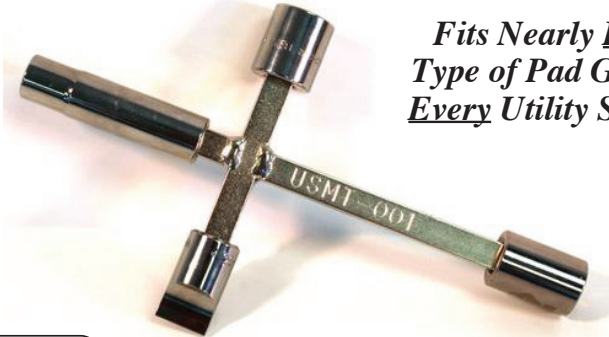
USUW-001

Universal URD Wrench



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## Pad Mount Multi-Tool



*Fits Nearly Every  
Type of Pad Gear on  
Every Utility System!*

USMT-001

Product dimension: Approximately 10 " x 6 "

Product weight: 1 pound 9 ounces

All sockets 1/2 " drive

The Multi-Tool reduces the number of tools required by field personnel to access pad gear. Supplied with a penta-head socket, a 3/4" socket, a 9/16" deep well socket and a screwdriver socket (all 1/2" drive) the Multi-Tool can access almost every type of pad gear.



The elongated lug wrench design permits the user to apply substantial torque to free stubborn fasteners, especially penta-head bolts located near ground level.

Each individual socket can be quickly exchanged with minimum effort.

Comprised of chrome steel, the Multi-Tool will provide years of trouble free in field service.

### HOW TO ORDER:

[utilitiesolutionsinc.com](http://utilitiesolutionsinc.com)

USMT-001

Pad Mount Multi-Tool



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## Strip-N-Coil™



*Reduce Underground  
Cable Termination  
by up to 5 Minutes!*

### USCS-001

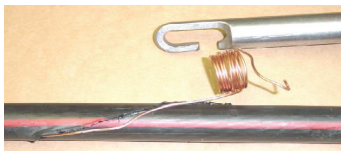
Product dimension: 1.75" diameter x 7.5"

Product weight: 6 oz.

The Strip-N-Coil™ is a lineman designed tool that permits easy cutting of outer insulation on underground cable.

Designed to fit into an electric drill chuck the tool can also be manually used with a 7/16" socket and ratchet. The Strip-N-Coil™ will work on underground cable sizes from #2 through 750 MCM.

The Strip-N-Coil™ is simple and easy for anyone to use. One of the concentric neutrals is inserted into the tool. As the concentric neutral wraps around the tool it pulls itself through,



or cuts, the outer insulation jacket. After the outer jacket has been completely stripped off the operator can place all concentric neutrals into

the hook end of the tool and allow the drill to easily and quickly twist them into a tight compact bundle easily cut to length and terminated as required. No more tedious time consuming twisting using a pliers. One major utility documented a time savings of over 5 minutes per lead by using the Strip-N-Coil™!



The hook end of the Strip-N-Coil™ can also be used to rapidly remove and or install bushing inserts.

Manufactured of aluminum, the Strip-N-Coil™ has no moving parts and will provide many years of problem free service.

### HOW TO ORDER:

USCS-001

Strip-N-Coil™

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# Power Probe™



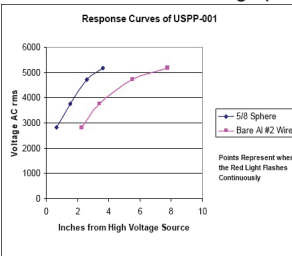
## High Voltage Detector!

### USPP-001

Product dimension: 1.2 " diameter x 6.25 "  
Product weight: 3 oz.

The Power Probe™ is a very compact, pocket sized, staticscope capable of detecting the presence of high voltage (2,000 vac or greater) on unshielded underground cable. Because of the compact design it can be used in confined electrical vaults where larger more cumbersome sensing equipment cannot. A sensor located in the tip of the Power Probe™ detects the presence of a high voltage field. Keep in mind the shape of the high voltage conductor will greatly influence the shape of the corresponding high voltage field.

The Power Probe™ design provides the operator a convenient battery and self diagnostic test with a green go/no go light indicator. The presence of high voltage will trigger a red light indicator. Both light indicators are LED type to provide a high level of brightness. The Power Probe™ uses one 3 volt type ENL 1/3N battery, supplied with the product from the factory. Battery replacement is simple and can be made by the user.



All Power Probe™ circuitry is solid state for reliability and ruggedness. The Power Probe™ is supplied with a soft protective carrying case.

Caution: Do not use this tool to detect if the line is dead or un-energized. This tool is only for detecting if the line is energized. Always spike or ground before working with underground cable.



### HOW TO ORDER:

[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

USPP-001

Power Probe™



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# Grounding Equipment





## Grounds Tester

*Portable!*



### USGT-600

Product dimension: 20 " x 15 " x 7.5 "

Product weight: approximately 45 pounds

Product is supplied in a heavy duty polymeric case with convenient carrying handle.

The USGT-600 self-contained portable grounds tester provides an easy method to test protective grounds in accordance with ASTM standards. The USGT-600 provides a high current output combined with a low voltage output (less than 3 volts AC) for maximum operator safety. Output readings are measured and displayed using a digital meter, and do not require calibration threshold settings.



Unlike other portable ground testers, the USGT-600 comes equipped with REACH™ isolating system technology to easily isolate any problem grounding components.

The USGT-600 can evaluate cables from as small as #2 through double 4/0 cable. Top or side mounting studs provide maximum user flexibility when testing cable. Safety features also include a thermal overload device to prevent the device from overheating during operation.



*USGT-600 Optional Elbows*



Specify USGT-600 ELBOW to purchase the optional 15 and 27 kV male and female elbow adapters.

### HOW TO ORDER:

USGT-600

Grounds Tester

USGT-600 ELBOW

Grounds Tester With Elbows

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## Fiberglass Hot Sticks



## BLUE STRIPE® Telescopic Hot Stick



### Lightweight AND Strong

The Utility Solutions BLUE STRIPE® fiberglass stick is the next generation of telescopic fiberglass hot sticks. The Utility Solutions BLUE STRIPE® fiberglass stick has been engineered to create the strongest, lightest telescopic hot stick on the market. The result is a telescopic stick able to withstand the rigors of daily use and misuse without sacrificing lightweight portability.

The outer surface texture provides a positive gripping surface even in wet conditions. All operating buttons are machined to the tightest of tolerances to provide maximum shear strength. The stick is manufactured from the highest grade electrical rated fiberglass that meets or exceeds all applicable industry performance criteria including ASTM F711, ASTM F1826 and OSHA 1926.951(d).



### EZ Tip Replacement (patent pending)

All Utility Solutions fiberglass sticks come equipped with the new EZ tip lock button replacement feature. No more complete stick disassembly to replace the tip lock button which usually winds up as a complete section 1 fiberglass changeout. The EZ tip lock button replacement feature permits the tip lock button to be replaced easily and rapidly WITHOUT disassembly of the entire stick, a costly and time consuming operation. Another "makes sense" innovation from Utility Solutions.

BLUE STRIPE®

BLUE STRIPE®

BLUE STRIPE®

BLUE

### BLUE STRIPE®

All Utility Solutions fiberglass sticks come equipped with the BLUE STRIPE® patented alignment feature. Simply align the blue stripes on the telescopic sections and all button and holes automatically match. No wasted time twisting and turning sections to get buttons to lock into place.

**HOW TO ORDER:**

	SIZE	CLOSED LENGTH	BASE DIAMETER	NO. OF SECTIONS	WEIGHT	OPERATING LENGTHS
<b>GROUND OPERABLE</b>						
USTS-050	50 FT.	68"	3 1/2"	11	20 LBS*	50',45',40',35',30',26',21',17'
USTS-045	45 FT.	66"	3 1/8"	10	16.5 LBS*	45',40',35',30',26',21',17'
USTS-040	40 FT.	65"	2 7/8"	9	13.5 LBS*	40',35',30',26',21',17'
USTS-035	35 FT.	63"	2 5/8"	8	11.1 LBS*	35',30',26',21',17'
USTS-030	30 FT.	62"	2 3/8"	7	8.9 LBS*	30',26',21',17'
USTS-025	25 FT.	60"	2 1/8"	6	6.9 LBS	26',21',17'
USTS-020	20 FT.	58"	1 7/8"	5	5.2 LBS	21',17'
USTS-016	16 FT.	56"	1 5/8"	4	4 LBS	16',12'
<b>BUCKET OPERABLE</b>						
USTS-012	12 FT.	30"	2 5/8"	7	5.7 LBS*	12'
USTS-010	10 FT.	28"	2 3/8"	6	4.7 LBS*	10'
USTS-008	8 FT.	26"	2 1/8"	5	3.7 LBS	8'
USTS-006	6 FT.	26"	1 7/8"	4	2.5 LBS	6'
USTS-004	4 FT.	26"	1 5/8"	3	2 LBS	4'

*Lighter, Stronger, Easier = Safer!*

**Tip Lock Feature**

The new BLUE STRIPE® fiberglass sticks come with a standard tip lock feature which offers even more strength and versatility. The operator can simply lock the last two end sections together for maximum strength and rigidity. This is necessary to open/close stubborn equipment without the risk of breaking



the stick. Remember when utilizing the tip lock feature the operator will lose approximately 5 foot of extended reach. For operations requiring the extended reach with the tip lock feature, order the larger size.

BLUE STRIPE®

BLUE STRIPE®

BLUE STRIPE®

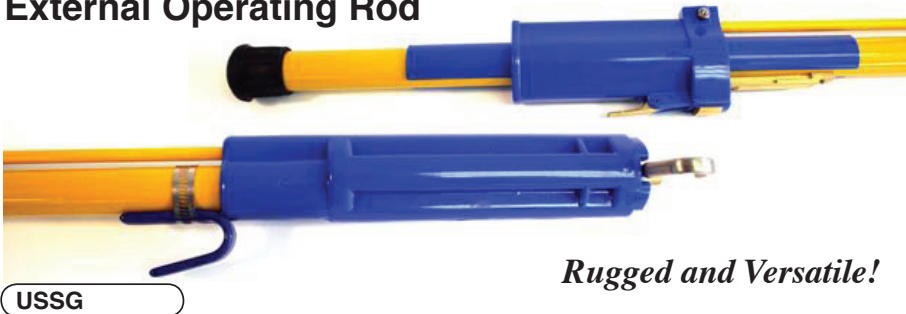
BLUE

[utilityolutionsinc.com](http://utilityolutionsinc.com)

**THE ONLY 50 FOOT  
TELESCOPIC HOT STICK  
ON THE PLANET!!**

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## BLUE STRIPE® Shotgun Stick External Operating Rod



*Rugged and Versatile!*

Utility Solutions shotgun sticks are engineered to provide the strength required to safely and properly perform a wide range of in-field lineman tasks yet maintain light weight necessary for easy use and maneuverability. Every external rod shotgun stick interior is filled with a high performance closed cell foam to prevent water ingress. The USSG-X-EREC/SE sticks utilize two external rod guides to assure a smooth opening and closing operation when in use. The rod guide closest to the operator is over-sized to permit a solid grip on the stick without interfering with the rod operation. The operating hook end is manufactured from stainless steel for maximum strength when pulling, pushing or twisting stubborn equipment.

The patented BLUE STRIPE® is positioned on the shotgun stick to assist the operator. When the BLUE STRIPE® is facing up the stainless steel hook end will open downward. Accidental equipment drops are minimized with this visual reminder.



Every Utility Solutions shotgun stick is manufactured from the highest quality electrical grade fiberglass and meet or exceed all applicable industry performance criteria including ASTM F711, IEC 855, OSHA Sub. R Section 1910.269 (J) and OSHA Sub. V Section 1926.951(d).



The USSG-X-EREC comes equipped with a rubber end cap while the USSG-X-ERSE comes with a universal spline. Protective bags are available.

### HOW TO ORDER:

[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

RUBBER END CAP	UNIVERSAL SPLINE	LENGTH	WEIGHT
USSG-004-EREC	USSG-004-ERSE	4.5'	LBS*
USSG-006-EREC	USSG-006-ERSE	6.5'	5.2 LBS*
USSG-008-EREC	USSG-008-ERSE	8.5'	6.2 LBS*
USSG-010-EREC	USSG-010-ERSE	10.5'	7.3 LBS*



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## BLUE STRIPE® Shotgun Stick Internal Operating Rod



USSG

*Easy Operation + Long Life!*

Utility Solutions shotgun sticks are engineered to provide the strength required to safely and properly perform a wide range of in-field lineman tasks yet maintain light weight necessary for easy use and maneuverability. Every external rod shotgun stick interior is filled with a high performance closed cell foam to prevent water ingress. The USSG-X-IREC/SE sticks utilize two external rod guides to assure a smooth opening and closing operation when in use. The rod guide closest to the operator is over-sized to permit a solid grip on the stick without interfering with the rod operation. The operating hook end is manufactured from stainless steel for maximum strength when pulling, pushing or twisting stubborn equipment.

The patented BLUE STRIPE® is positioned on the shotgun stick to assist the operator. When the BLUE STRIPE® is facing up the stainless steel hook end will open downward. Accidental equipment drops are minimized with this visual reminder.



Every Utility Solutions shotgun stick is manufactured from the highest quality electrical grade fiberglass and meet or exceed all applicable industry performance criteria including ASTM F711, IEC 855, OSHA Sub. R Section 1910.269 (J) and OSHA Sub. V Section 1926.951(d).



The USSG-X-IREC comes equipped with a rubber end cap while the USSG-X-IRSE comes with a universal spline. Protective bags are available.

### HOW TO ORDER:

[utilityolutionsinc.com](http://utilityolutionsinc.com)

RUBBER END CAP	UNIVERSAL SPLINE	LENGTH	WEIGHT
USSG-004-IREC	USSG-004-IRSE	4.5'	LBS*
USSG-006-IREC	USSG-006-IRSE	6.5'	5.4 LBS*
USSG-008-IREC	USSG-008-IRSE	8.5'	5.9 LBS*
USSG-010-IREC	USSG-010-IRSE	10.5'	6.8 LBS*



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## BLUE STRIPE® Foam Filled Straight Stick



USSS

*Super Strong Fiberglass!*

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 in field pushing, pulling or twisting of stubborn equipment. Each stick interior is filled with a high performance closed cell foam to prevent water ingress. The stick exterior has been chemically sealed to provide a smooth surface texture for easy cleaning.

Utility Solutions straight sticks meet or exceed all applicable industry performance criteria including ASTM F711, ASTM F1826 and OSHA Sub. V sec. 1969.951(d).



**Design  
Your  
Own  
Stick!**

### HOW TO ORDER:

[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

	LENGTH	END ONE	END TWO
USSS-004-X/Y	4'	X	Y
USSS-006-X/Y	6'	X	Y
USSS-008-X/Y	8'	X	Y
USSS-010-X/Y	10'	X	Y

see available accessories on next page



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## Hot Stick Accessories



RUBBER END CAP  
USSA-OEC



UNIVERSAL SPLINE  
USSA-OSE



NEMA SWITCHHEAD  
USSA-OSH



PLASTISOL HANGER  
USSA-HGR



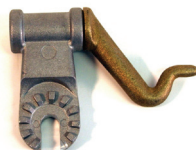
DISCONNECT HEAD  
USSA-ODH



HOTSITCK PROBE  
USSA-OHP



DOUBLE PRONG  
USSA-ODP



ROTARY PRONG  
USSA-ORP



ROTARY BLADE  
USSA-ORB



ICE WACKER  
USSA-ASD



SHOESTRING CUTTER  
plastic  
USSA-PSC

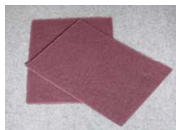


SHOESTRING CUTTER  
metal  
USSA-MSC

**HAVE A PROBLEM  
THAT NEEDS A SOLUTION?**  
*USI is all about custom designing and  
engineering Innovative Solutions  
for the 21st Century Lineman.*

  
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## BLUE STRIPE® Stick Cleaners and Maintenance



### USSC

Utility Solutions offers a variety fiberglass and cleaning supplies to maintain fiberglass stick products at optimum performance.

**Cleaner** – all purpose cleaner to remove dirt, oil and residue.

**Cleaning Pads** – economic individually packaged non-metallic pads to assist in cleaning

**Wax** – high quality carnuba wax to repel water and resist weathering

**Silicone Wipers** – 20" X 20" silicone treated cotton wipers for routine cleaning

Utility Solutions concentrated cleaner is formulated specifically for fiberglass surfaces. When diluted to the recommended 20:1 ratio it provides aggressive cleaning of the fiberglass surface without damaging the surface. Removes, dirt, grime, oils and residue. A great way to maintain optimum dielectric properties on all fiberglass products.

USSC-001	1 Gallon Concentrated Cleaner Dilutes To 20:1
USSC-002	1 Case Concentrated Ussc-001 Cleaner Qty 6 - 1 Gallon Containers Per Case
USSC-003	1 Gallon Pre-mixed Cleaner - Ready For Use
USSC-004	1 Case Pre-mixed Ussc-003 Cleaner Qty 6 - 1 Gallon Containers Per Case
USSC-005	1 Package Of Non-metallic Cleaning Pads (6 Pads Per Package)
USSC-006	16 Oz. Can Of Carnuba Wax
USSC-007	½ Case Of Ussc-006 Carnuba Wax (6 Cans)
USSC-008	1 Package Of Silicone Wipers (12 Wipers)

### HOW TO ORDER:

[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

See Chart Above



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## Protective Bags for Fiberglass Sticks

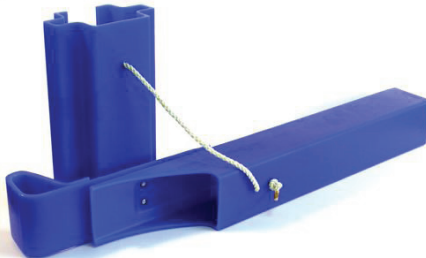


**USSB**

***Protect Your Investment!***

Utility Solutions offers five different stick bags for storage of our fiberglass stick products. Every bag is water resistant, mold resistant and incorporates a folded end with snap lock.

## Bucket Stick Storage Case



**USBC**



***Convenient & Versatile!***

Product dimension: 4 " x 4 " x 32 "

Product weight: 4.5 pounds

The Utility Solutions bucket stick storage case will work with ANY size bucket stick in the market, from 4ft. up to 12ft. 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 insure the interior stays dry. The cover/base design permits bucket stick storage without the need to rotate the hotstick probe end and permits one to grab the stick body when removing so as not to extend the stick.

### HOW TO ORDER:

[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

		SIZE	FITS
<b>USSB-003</b>	Protective Bag	6" X 30"	USTS-008, USTS-010
<b>USSB-004</b>	Protective Bag	6" X 63"	USSG-004, USSS-004, USTS-16 thru USTS-025
<b>USSB-005</b>	Protective Bag	8.5" X 75"	USTS-030 thru USTS-050
<b>USSB-006</b>	Protective Bag	6" X 7'	USSG-006, USSS-006
<b>USSB-007</b>	Protective Bag	6" X 9'	USSG-008, USSS-008
<b>USBC-001</b>	Bucket Storage Case	4" X 32"	ALL 4' thru 12' STICKS



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USTS-004 BLACK BUTTON TELESCOPIC BUCKET STICK



3

2

1



SEC. 3    SEC. 2    SEC. 1

	SECTION 3	SECTION 2	SECTION 1
FIBERGLASS	C-00839	C-00837	C-00836
MOLDED END PLUG		C-00369	C-00612
MACHINED BUTTON		C-00623	C-00613
MOLDED SPRING CAP		C-00378	
BUTTON SPRING		B-00331	B-00593
FASTENER	B-00035 (2X)	B-00594 (2X)	B-00509 (2X)
END CAP	C-00848		

SPLINE ASSEMBLY CONSISTS OF A SPLINE END (C-00586), FASTENER (B-00140) AND THUMBSCREW WITH WASHER (B-00105)

USTS-006 BLACK BUTTON TELESCOPIC BUCKET STICK



4                      3                      2                      1

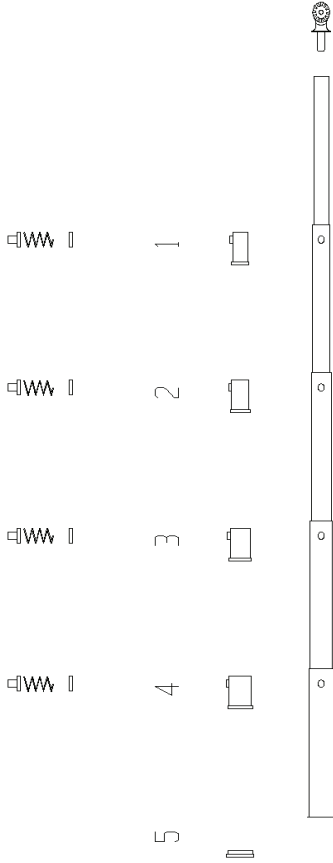


SEC. 4    SEC. 3    SEC. 2    SEC. 1

	SECTION 4	SECTION 3	SECTION 2	SECTION 1
FIBERGLASS	C-00841	C-00838	C-00837	C-00836
MOLDED END PLUG		C-00370	C-00369	C-00612
MACHINED BUTTON		C-00633	C-00623	C-00613
MOLDED SPRING CAP		C-00383	C-00378	
BUTTON SPRING		B-00331	B-00331	B-00593
FASTENER	B-00035 (2X)	B-00594 (2X)	B-00594 (2X)	B-00509 (2X)
END CAP	C-00645			

SPLINE ASSEMBLY CONSISTS OF A SPLINE END (C-00586), FASTENER (B-00140) AND THUMBSCREW WITH WASHER (B-00105)

USTS-008 BLACK BUTTON TELESCOPIC BUCKET STICK



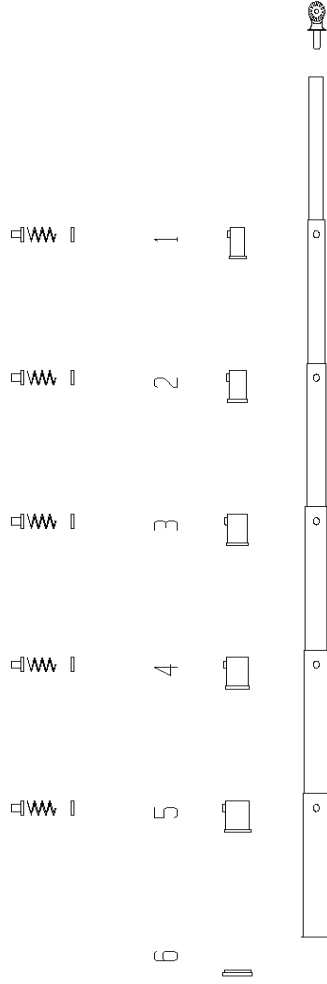
SEC. 5    SEC. 4    SEC. 3    SEC. 2    SEC. 1

	SECTION 5	SECTION 4	SECTION 3	SECTION 2	SECTION 1
FIBERGLASS	C-00843	C-00840	C-00838	C-00837	C-00836
MOLDED END PLUG		C-00371	C-00370	C-00369	C-00612
MACHINED BUTTON		C-00643	C-00633	C-00623	C-00613
MOLDED SPRING CAP		C-00383	C-00383	C-00378	
BUTTON SPRING		B-00331	B-00331	B-00331	B-00593
FASTENER	B-00035 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00509 (2X)
END CAP	C-00652				

SPLINE ASSEMBLY CONSISTS OF A SPLINE END (C-00586), FASTENER (B-00140) AND THUMBSCREW WITH WASHER (B-00105)



**USTS-010 BLACK BUTTON TELESCOPIC BUCKET STICK**

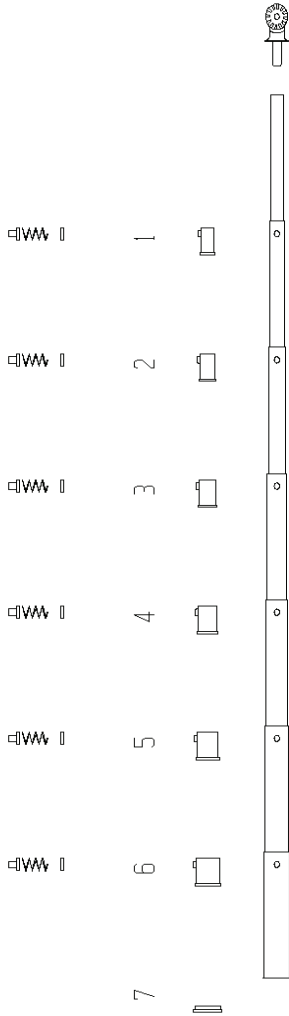


SEC. 6 SEC. 5 SEC. 4 SEC. 3 SEC. 2 SEC. 1

	SECTION 6	SECTION 5	SECTION 4	SECTION 3	SECTION 2	SECTION 1
FIBERGLASS	C-00845	C-00842	C-00840	C-00838	C-00837	C-00836
MOLDED END PLUG		C-00372	C-00371	C-00370	C-00369	C-00612
MACHINED BUTTON		C-00653	C-00643	C-00633	C-00623	C-00613
MOLDED SPRING CAP		C-00383	C-00383	C-00383	C-00378	
BUTTON SPRING		B-00331	B-00331	B-00331	B-00331	B-00593
FASTENER	B-00035	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00509 (2X)
END CAP	C-00665					

SPLINE ASSEMBLY CONSISTS OF A SPLINE END (C-00586), FASTENER (B-00140) AND THUMBSCREW WITH WASHER (B-00105)

USTS-012 BLACK TELESCOPIC BUCKET STICK

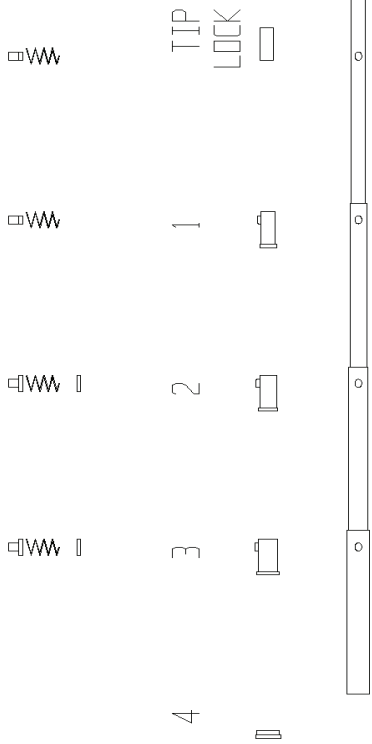


SEC. 7    SEC. 6    SEC. 5    SEC. 4    SEC. 3    SEC. 2    SEC. 1

	SECTION 7	SECTION 6	SECTION 5	SECTION 4	SECTION 3	SECTION 2	SECTION 1
FIBERGLASS	C-00846	C-00844	C-00842	C-00840	C-00838	C-00837	C-00836
MOLDED END PLUG		C-00373	C-00372	C-00371	C-00370	C-00369	C-00612
MACHINED BUTTON		C-00663	C-00653	C-00643	C-00633	C-00623	C-00613
MOLDED SPRING CAP		C-00383	C-00383	C-00383	C-00383	C-00378	
BUTTON SPRING		B-00331	B-00331	B-00331	B-00331	B-00331	B-00593
FASTENER	B-00035 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00509 (2X)
END CAP	C-00675						

SPLINE ASSEMBLY CONSISTS OF A SPLINE END (C-00586), FASTENER (B-00140) AND THUMBSCREW WITH WASHER (B-00105)

USTS-016 BLACK BUTTON TELESCOPIC STICK



SEC. 4 SEC. 3 SEC. 2 SEC. 1

	SECTION 4	SECTION 3	SECTION 2	SECTION 1	TIP LOCK
FIBERGLASS	C-00641	C-00630	C-00620	C-00610	
MOLDED END PLUG		C-00370	C-00369	C-00612	C-00614
MACHINED BUTTON		C-00633	C-00623	C-00613	C-00613
MOLDED SPRING CAP		C-00383	C-00378		
BUTTON SPRING		B-00331	B-00331	B-00593	B-00593
FASTENER	B-00035 (2X)	B-00594 (2X)	B-00594 (2X)	B-00509 (2X)	B-00509 (1X)
END CAP	C-00645				

SPLINE ASSEMBLY CONSISTS OF A SPLINE END (C-00586), FASTENER (B-00140) AND THUMBSCREW WITH WASHER (B-00105)

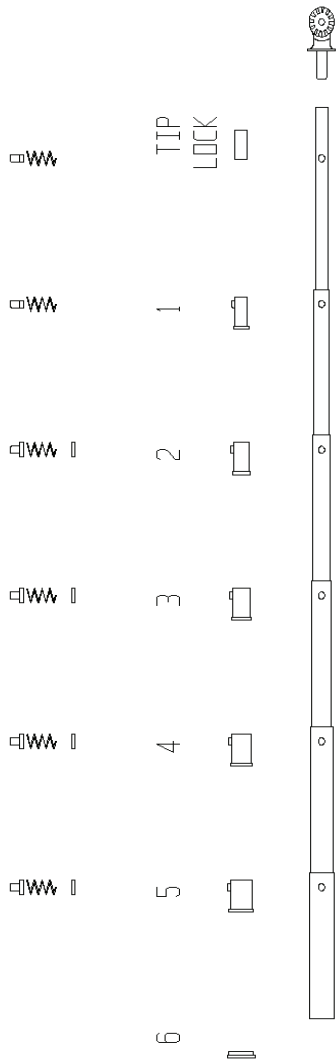


SEC. 5 SEC. 4 SEC. 3 SEC. 2 SEC. 1

	SECTION 5	SECTION 4	SECTION 3	SECTION 2	SECTION 1	TIP LOCK
FIBERGLASS	C-00651	C-00640	C-00630	C-00620	C-00610	
MOLDED END PLUG		C-00371	C-00370	C-00369	C-00612	C-00614
MACHINED BUTTON		C-00643	C-00633	C-00623	C-00613	C-00613
MOLDED SPRING CAP		C-00383	C-00383	C-00378		
BUTTON SPRING		B-00331	B-00331	B-00331	B-00593	B-00593
FASTENER	B-00035.(2X)	B-00594.(2X)	B-00594.(2X)	B-00594.(2X)	B-00509.(2X)	B-00509.(1X)
END CAP	C-00652					

SPLINE ASSEMBLY CONSISTS OF A SPLINE END (C-00586), FASTENER (B-00140) AND THUMBSCREW WITH WASHER (B-00105)

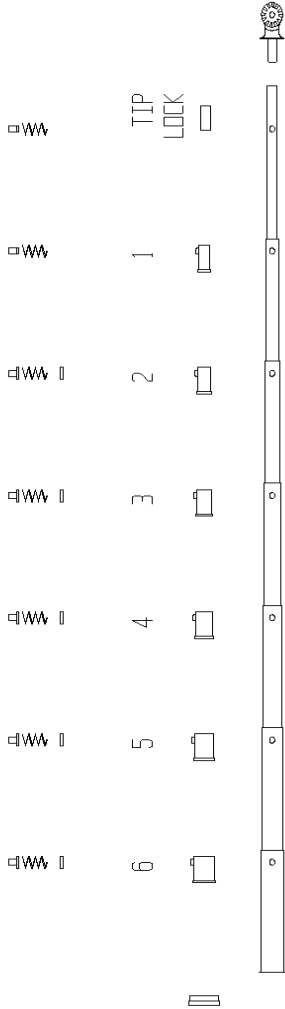
**USTS-025 BLACK BUTTON TELESCOPIC STICK**



	SECTION 6	SECTION 5	SECTION 4	SECTION 3	SECTION 2	SECTION 1	TIP LOCK
FIBERGLASS	C-00661	C-00650	C-00640	C-00630	C-00620	C-00610	
MOLDED END PLUG		C-00372	C-00371	C-00370	C-00369	C-00612	C-00614
MACHINED BUTTON		C-00653	C-00643	C-00633	C-00623	C-00613	C-00613
MOLDED SPRING CAP		C-00383	C-00383		C-00378		
BUTTON SPRING		B-00331	B-00331	B-00331	B-00331	B-00593	B-00593
FASTENER	B-00035 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00509 (2X)	B-00509 (1X)
END CAP	C-00665						

SPLINE ASSEMBLY CONSISTS OF A SPLINE END (C-00586), FASTENER (B-00140) AND THUMBSCREW WITH WASHER (B-00105)

USTS-030 BLACK BUTTON TELESCOPIC STICK

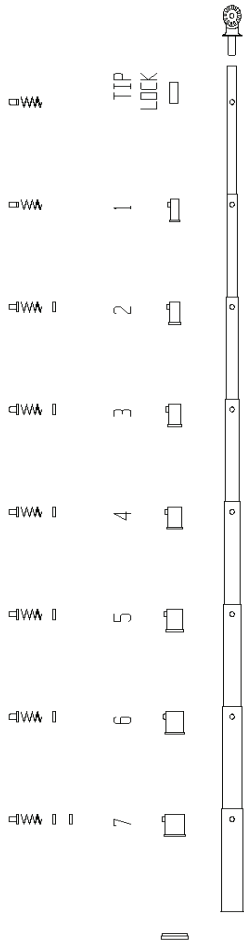


SEC. 7    SEC. 6    SEC. 5    SEC. 4    SEC. 3    SEC. 2    SEC. 1

	SECTION 7	SECTION 6	SECTION 5	SECTION 4	SECTION 3	SECTION 2	SECTION 1	TIP LOCK
FIBERGLASS	C-00671	C-00660	C-00650	C-00640	C-00630	C-00620	C-00610	
MOLDED END PLUG		C-00373	C-00372	C-00371	C-00370	C-00369	C-00612	C-00614
MACHINED BUTTON		C-00663	C-00653	C-00643	C-00633	C-00623	C-00613	C-00613
MOLDED SPRING CAP		C-00383	C-00383	C-00383	C-00383	C-00378		
BUTTON SPRING		C-00331	B-00331	B-00331	B-00331	B-00331	B-00593	B-00593
FASTENER	B-00035 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00509 (2X)	B-00509 (1X)
END CAP	C-00675							

SPLINE ASSEMBLY CONSISTS OF A SPLINE END (C-00586), FASTENER (B-00140) AND THUMBSCREW WITH WASHER (B-00105)

USTS-035 BLACK BUTTON TELESCOPIC STICK



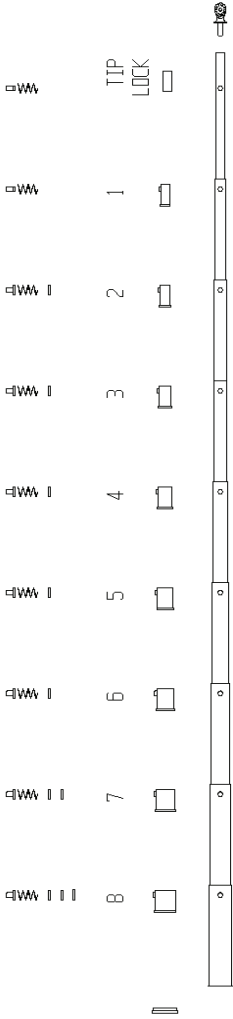
SEC. 8    SEC. 7    SEC. 6    SEC. 5    SEC. 4    SEC. 3    SEC. 2    SEC. 1

	SECTION 7	SECTION 6	SECTION 5	SECTION 4	SECTION 3	SECTION 2	SECTION 1	TIP LOCK
FIBERGLASS	C-00670	C-00660	C-00650	C-00640	C-00630	C-00620	C-00610	
MOLDED END PLUG	C-00374	C-00373	C-00372	C-00371	C-00370	C-00369	C-00612	C-00614
MACHINED BUTTON	C-00673	C-00663	C-00653	C-00643	C-00633	C-00623	C-00613	C-00613
MOLDED SPRING CAP	C-00383 (2X)	C-00383	C-00383	C-00383	C-00383	C-00378		
BUTTON SPRING	C-00331	B-00331	B-00331	B-00331	B-00331	B-00331	B-00593	B-00593
FASTENER	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00509 (2X)	B-00509 (1X)
END CAP	C-00685							

SPLINE ASSEMBLY CONSISTS OF A SPLINE END (C-00586), FASTENER (B-00140) AND THUMBSCREW WITH WASHER (B-00105)

REV 2: 8-31-09

USTS-040 BLACK BUTTON TELESCOPIC STICK



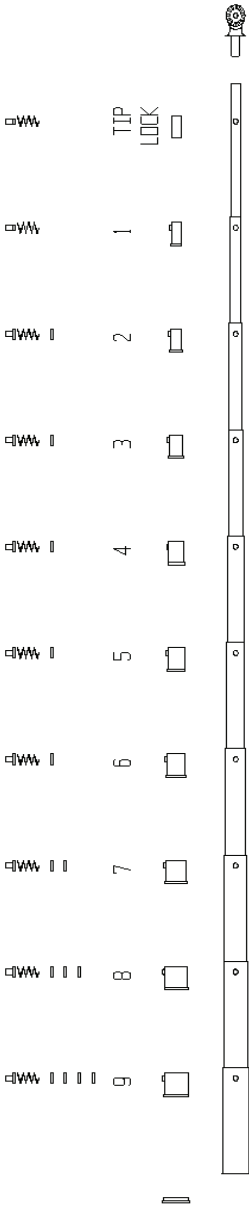
SEC. 9   SEC. 8   SEC. 7   SEC. 6   SEC. 5   SEC. 4   SEC. 3   SEC. 2   SEC. 1

	SECTION 9	SECTION 8	SECTION 7	SECTION 6	SECTION 5	SECTION 4	SECTION 3	SECTION 2	SECTION 1	TIP LOCK
FIBERGLASS	C-00691	C-00680	C-00670	C-00660	C-00650	C-00640	C-00630	C-00620	C-00610	
MOLDED END PLUG		C-00375	C-00374	C-00373	C-00372	C-00371	C-00370	C-00369	C-00612	C-00614
MACHINED BUTTON		C-00673	C-00673	C-00663	C-00653	C-00643	C-00633	C-00623	C-00613	C-00613
MOLDED SPRING CAP		C-00383 (3X)	C-00383 (2X)	C-00383	C-00383	C-00383	C-00383	C-00378		
BUTTON SPRING		B-00331	B-00331	B-00331	B-00331	B-00331	B-00331	B-00331	B-00593	B-00593
FASTENER	B-00035 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00509 (2X)	B-00509 (1X)
END CAP	C-00695									

SPLINE ASSEMBLY CONSISTS OF A SPLINE END (C-00586), FASTENER (B-00140) AND THUMBSCREW WITH WASHER (B-00105)



USTS-045 BLACK BUTTON TELESCOPIC STICK

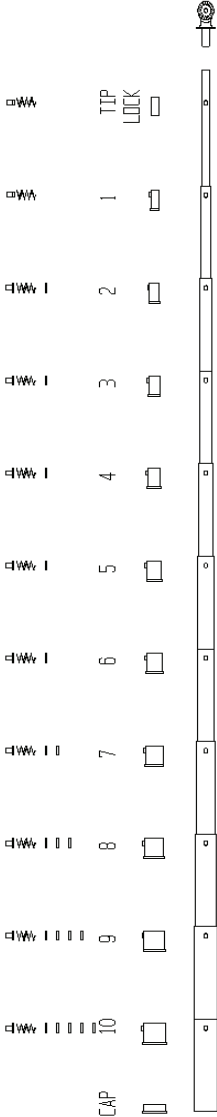


SEC. 10 SEC. 9 SEC. 8 SEC. 7 SEC. 6 SEC. 5 SEC. 4 SEC. 3 SEC. 2 SEC. 1

	SECTION 10	SECTION 9	SECTION 8	SECTION 7	SECTION 6	SECTION 5	SECTION 4	SECTION 3	SECTION 2	SECTION 1	TIP LOCK
FIBERGLASS	C-00701	C-00690	C-00680	C-00670	C-00660	C-00650	C-00640	C-00630	C-00620	C-00610	
MOLDED END PLUG		C-00439	C-00375	C-00374	C-00373	C-00372	C-00371	C-00370	C-00369	C-00612	C-00614
MACHINED BUTTON		C-00673	C-00673	C-00673	C-00663	C-00653	C-00643	C-00633	C-00623	C-00613	C-00613
MOLDED SPRING CAP		C-00383 (4X)	C-00383 (3X)	C-00383 (2X)	C-00383	C-00383	C-00383	C-00383	C-00378		
BUTTON SPRING		B-00331	B-00331	B-00331	B-00331	B-00331	B-00331	B-00331	B-00331	B-00593	
FASTENER	B-00035 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00509 (2X)	B-00509 (1X)
END CAP	C-00705										

SPLINE ASSEMBLY CONSISTS OF A SPLINE END (C-00586), FASTENER (B-00140) AND THUMBSCREW WITH WASHER (B-00105)

USTS-050 BLACK BUTTON TELESCOPIC STICK

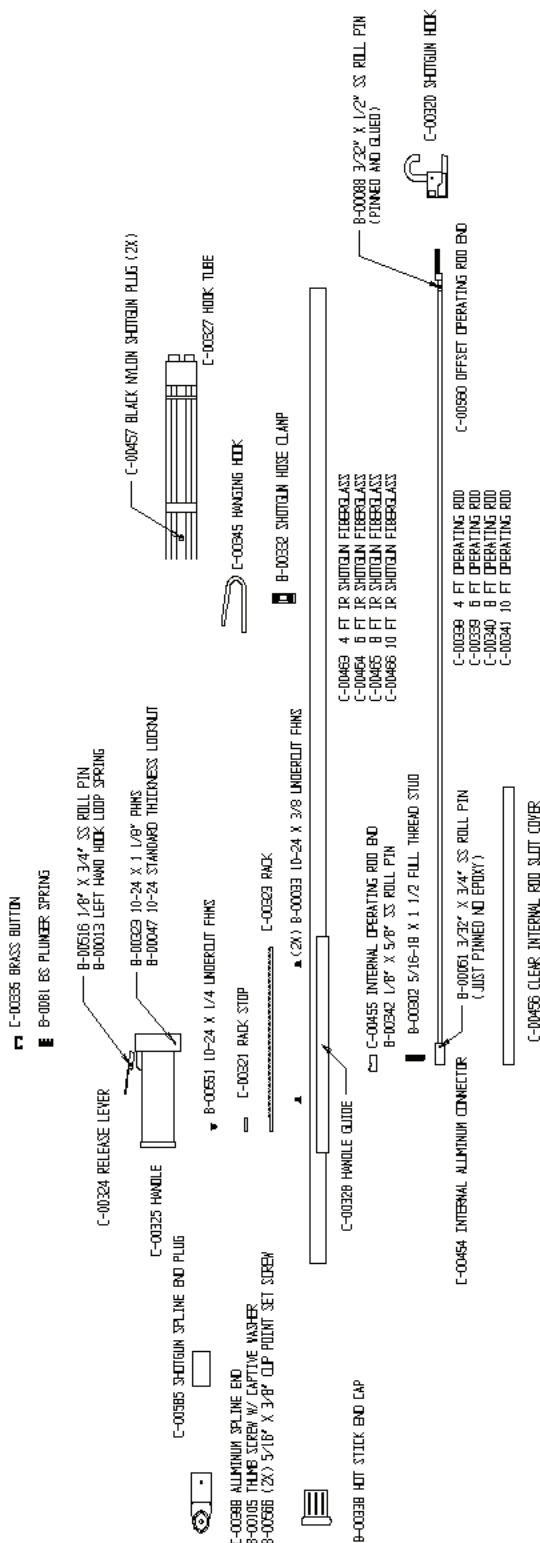


SEC. 11 SEC. 10 SEC. 9 SEC. 8 SEC. 7 SEC. 6 SEC. 5 SEC. 4 SEC. 3 SEC. 2 SEC. 1

	SECTION 11	SECTION 10	SECTION 9	SECTION 8	SECTION 7	SECTION 6	SECTION 5	SECTION 4	SECTION 3	SECTION 2	SECTION 1	TIP LOCK
FIBERGLASS	C-00710	C-00700	C-00690	C-00680	C-00670	C-00660	C-00650	C-00640	C-00630	C-00620	C-00610	
MOLDED END PLUG		C-00702	C-00439	C-00375	C-00374	C-00373	C-00372	C-00371	C-00370	C-00369	C-00612	C-00614
MACHINED BUTTON		C-00673	C-00673	C-00673	C-00673	C-00663	C-00653	C-00643	C-00633	C-00623	C-00613	C-00613
MOLDED SPRING CAP		C-00383 (5X)	C-00383 (4X)	C-00383 (3X)	C-00383 (2X)	C-00383	C-00383	C-00383	C-00383	C-00378		
BUTTON SPRING		B-00331	B-00331	B-00331	B-00331	B-00331	B-00331	B-00331	B-00331	B-00331	B-00593	B-00593
FASTENER		B-00035 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00594 (2X)	B-00509 (2X)	B-00509 (1X)
END CAP	C-00715											

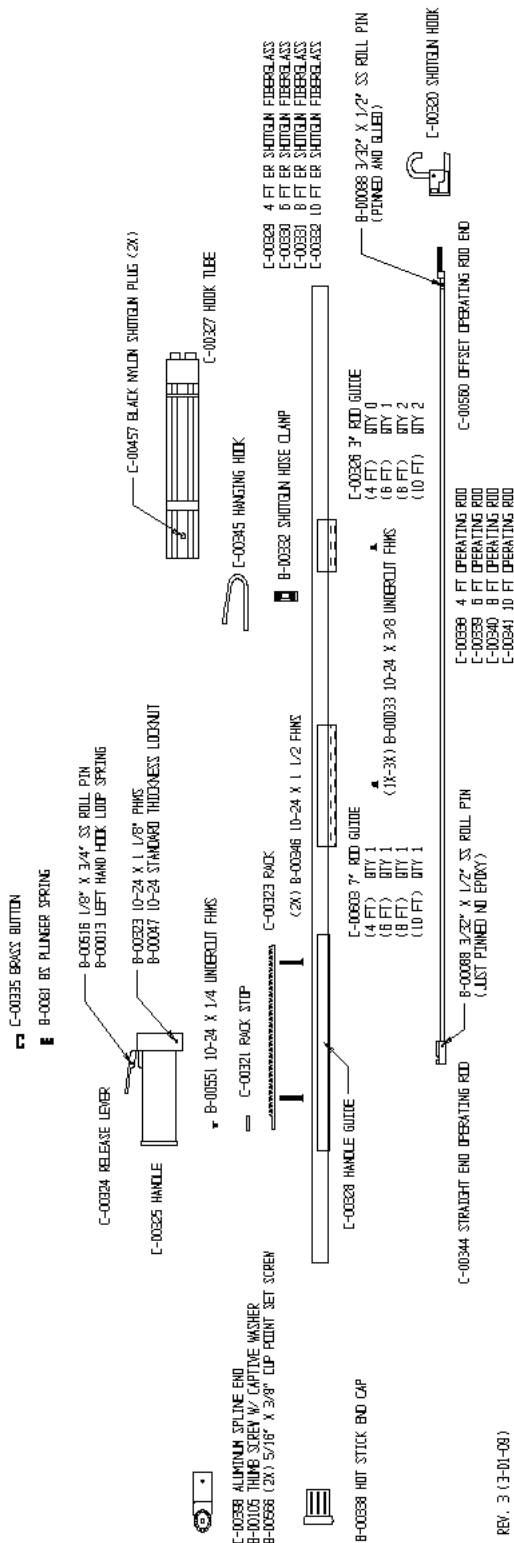
SPLINE ASSEMBLY CONSISTS OF A SPLINE END (C-00586), FASTENER (B-00140) AND THUMBSCREW WITH WASHER (B-00105)

# INTERNAL ROD SHOTGUN MASTER SCHEMATIC



REV. 3 (3-01-08)

## EXTERNAL ROD SHOTGUN MASTER SCHEMATIC



REV. 3 (3-01-08)

## Metering Products



## Meter Grabber

### USMG

Product dimensions: 6.8 " diameter x 15.5 "

Product weight: 2.4 pounds

Color: Clear with water cooler blue tint

The Utility Solutions Meter Grabber Tool is indispensable for any individual involved with electric meter installation, removal or change-outs. The Meter Grabber provides superior protection from exploding meters due to faults. The working end of the tool is machined to provide a positive capture around the entire base, eliminating the chance of a dropped/broken meter as well as offering additional mechanical leverage when removing stubborn meters.

Operator safety is paramount therefore the Meter Grabber has no metal on the working end of the tool. Side slots permit the venting of any outgassing.



The Meter Grabber does not require two hands to operate. The tool is operated using a convenient ball handle lever arm that can be adjusted to accommodate either left or right hand individuals.



*Shown with optional arc shield for additional operator safety. (USMG-002)*

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



***Safely Install and Remove  
ALL Electric Meters!***

Optional carrying bag is constructed of heavy-duty water resistant fabric with a polymeric base. The 16" x 8" x 12" 2 lb. bag holds a single Meter Grabber.



### HOW TO ORDER:

USMG-001	Meter Grabber
USMG-002	With Arc Shield Rings
USMG-003	Carrying Bag For Usmg-001 Only



[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

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Phone: 828-323-8914  
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## Electric Meter Jumper Leads

### USJL-001

Product dimensions:

6 AWG insulated copper 33 " long

Product weight: Approximately 1 pound

The USJL-001 jumper lead set is a convenient and safe method to prevent a customer outage in event of meter removal/changeout. Constructed from #6 AWG highly flexible insulated copper the working ends are also machined of solid copper for utmost performance. The working ends are beveled to permit 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. Turning the knurled handle the opposite direction will loosen the lead for easy removal.



## Electric Meter Jumper Leads With Breaker

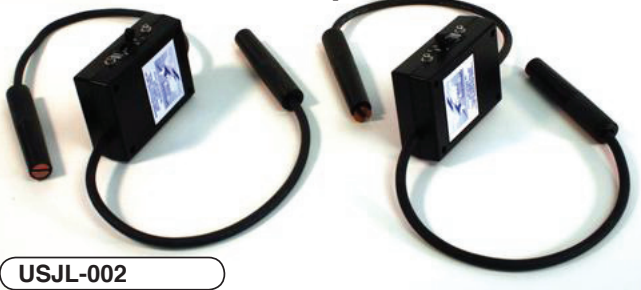
### USJL-002

Product dimensions: 6 AWG insulated copper 33 " long

Product weight: Approximately 2 pounds

The USJL-002 jumper lead set is a convenient and safe method to prevent a customer outage in event of meter removal/changeout. Constructed from #6 AWG highly flexible insulated copper the working ends are also machined of solid copper for utmost performance. The working ends are beveled to permit 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. Turning the knurled handle the opposite direction will loosen the lead for easy removal.

Each lead is equipped with a resettable single pole 100 Amp 240 hydraulic breaker to offer additional safety when the meter is bypassed.



### HOW TO ORDER:

[utilityolutionsinc.com](http://utilityolutionsinc.com)

USJL-001	Electric Meter Jumper Leads
USJL-002	Electric Meter Jumper Leads With Breaker



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**Safety/Training**



## Tool Demonstration Trailers



A tool demonstration trailer is an excellent way to touch, feel and personally evaluate hotline tools. Each Utility Solutions tool demo trailer come equipped with most of our product line. In addition, the USGT-600 Grounds Tester and XMFR Load-Trainer

transformer simulator are fully functional (requires 110 vac). Utility Solutions periodically upgrades every trailer to insure it reflects our most recent product offerings. Do not hesitate to contact your local Utility Solutions sales representative to schedule a trailer visit at your earliest convenience.

STRATEGICALLY located through out the northern hemisphere, the custom trailers allow you to get hands on product demos right at your location.



As of Spring 2009, USI currently has 7 trailers throughout North America.

***Hands on Demos  
Right in Your Parking  
Lot!***

***Call your Rep for a Demo!***



### HOW TO ORDER:

[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

TRAILER

Call Your Representative



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# Rescue Hook

## USRH-006/8

Product length: 8 1/3 ft. / 10 1/3 ft.

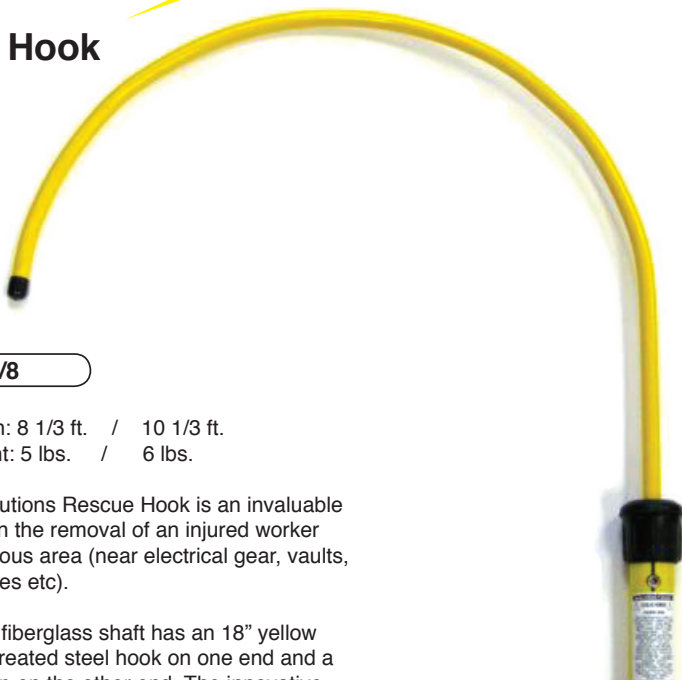
Product weight: 5 lbs. / 6 lbs.

The Utility Solutions Rescue Hook is an invaluable tool to assist in the removal of an injured worker from a hazardous area (near electrical gear, vaults, confined spaces etc).

The insulated fiberglass shaft has an 18" yellow coated, heat-treated steel hook on one end and a rubber end cap on the other end. The innovative design allows for the unit to ship as two separate components, resulting in substantial shipping savings for the user without sacrificing strength or toughness as an assembled product.

All Utility Solutions fiberglass is 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 in field pushing, pulling or twisting of stubborn equipment.

Each stick interior is filled with a high-performance closed cell foam to prevent water ingress. The stick exterior has been chemically sealed to provide a smooth surface texture for easy cleaning. Utility Solutions straight sticks meet or exceed all applicable industry performance criteria including ASTM F711, ASTM F1826 and OSHA Sub. V sec. 1969.951(d).



## HOW TO ORDER:

[utilityolutionsinc.com](http://utilityolutionsinc.com)

USRH-006 | Rescue Hook 6 Ft.

USRH-008 | Rescue Hook 8 Ft.



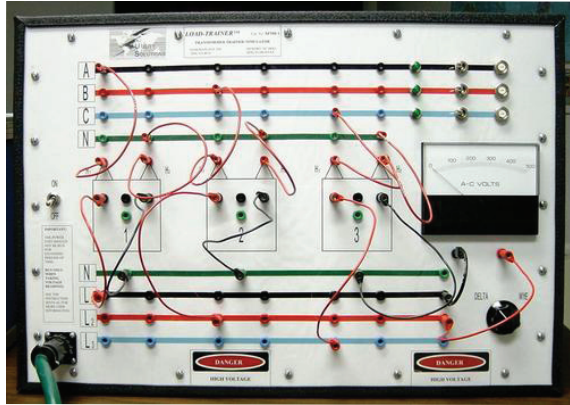
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# Load-Trainer™

**XFMR-001/002**

A fully functional electrical trainer allowing simulation of most distribution transformer connection schemes. This device contains actual transformers which completely duplicates in-field situations.

This product requires a single 110 VAC power supply and is a great way to maintain productivity even on rainy days.



## Training = Safety!

The Load-Trainer™ is supplied as two separate wheel portable reinforced protective cases. The Load-Trainer™ is easy to ship via UPS. This provides a very economic means to provide linemen training at remote locations rather than bring linemen to a central training facility.

Transformer output voltages on the XFMR-001 unit are made by toggle switch selections on the side of the wiring panel. 1 phase or 3 phase wiring hookups can be simulated. Delta-Delta, Delta-Wye, Open Delta-Open Delta, Wye-Delta, Wye-Wye, Wye, or one leg out-open Delta transformers can be simulated. The Load-Trainer™ incorporates eight multi-position toggle switches which are used to produce a multitude of routine in field problems such as low voltage bushing hook-ups, polarity and high side phasing. Numerous situations can be duplicated to produce transformer back-feed with front panel indicator lights that glow when a back-feed condition occurs.

### XFMR-002

The Load-Trainer™ model XMFR-002 is a variant of the basic XMFR-001 model whereas the front panel voltage selection has been transferred from side mounted toggle switches to direct selection on the wiring board face. This change allows an operator to simulate open primary or open secondary situations.

### XFMR-PRL

Paralleling Option to double the training capability. Supplied with a an additional front panel which acts as a slave unit to the motherboard front panel



## HOW TO ORDER:

[utilitiesolutionsinc.com](http://utilitiesolutionsinc.com)

<b>XFMR-001</b>	Load-trainer™
<b>XFMR-002</b>	Load-trainer™ With Open Primary And Open Secondary Simulation Capabilities
<b>XFMR-PRM</b>	Phase Rotation Meter
<b>XFMR-LEADS</b>	Extra Set Of Banana Leads
<b>XFMR-PRL</b>	XFMR-001 With Additional Front Panel



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**Rubber Goods**



## Blanket Clamp

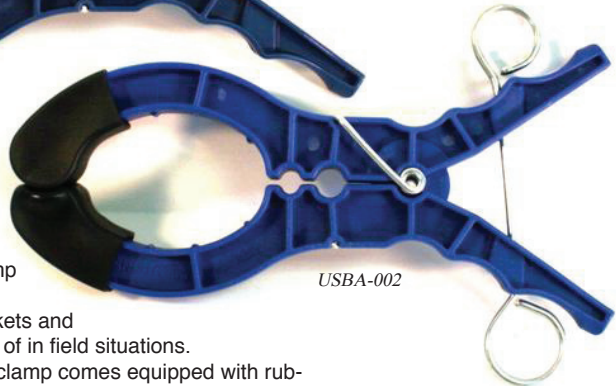


### USBA-001/002

Product dimension:

10" x 5" x .75"

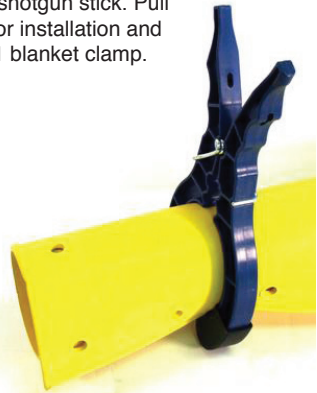
Product weight: .3 pounds



The USBA-001 Blanket Clamp serves as the basic lineman clamp to secure rubber blankets and line hose in the vast majority of in field situations. Light weight but rugged this clamp comes equipped with rubber nose caps to prevent accidental damage to blankets and or line hose.

USBA-001 is designed for hand operations only; replacement for the Salisbury 21 blanket clamp. USBA-002 is designed for remote operation using a shotgun stick to open/install and open/remove. Simply grab one of the handle pull rings with a shotgun stick. Pull into the nose of the stick and the clamp automatically opens for installation and or removal of the clamp. Replacement for the Salisbury HS21 blanket clamp.

Minimum order quantity 10.



### HOW TO ORDER:

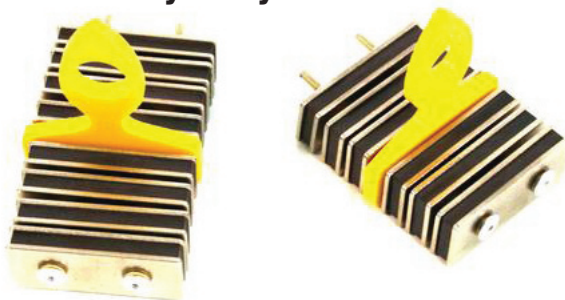
[utilityolutionsinc.com](http://utilityolutionsinc.com)

USBA-001	Blanket Clamp
USBA-002	Blanket Clamp - Shotgun Stick Operable



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## Blanket Mate Heavy Duty Blanket Holder



### USBM-001/002

Product dimension: 2 ½" x 2" x 3"

Product weight: ½ pound

The Utility Solutions Blanket Mate series are magnetic blanket holders that simply will not break even if exposed to extremely cold temperature extremes. The Utility Solutions USBM-001 has 50% more magnetic holding power (6 magnets) than the competition, while the USBM-002 has 100% more magnetic holding power (8 magnets) than the competition. This will be the last Blanket-Mate you ever have to purchase, nearly indestructible with superior holding power for even the heaviest blankets.

Unlike conventional molded Blanket-Mate devices, the Utility Solutions Blanket-Mate is machined from high performance, high visibility polymer sheet stock.

### HOW TO ORDER:

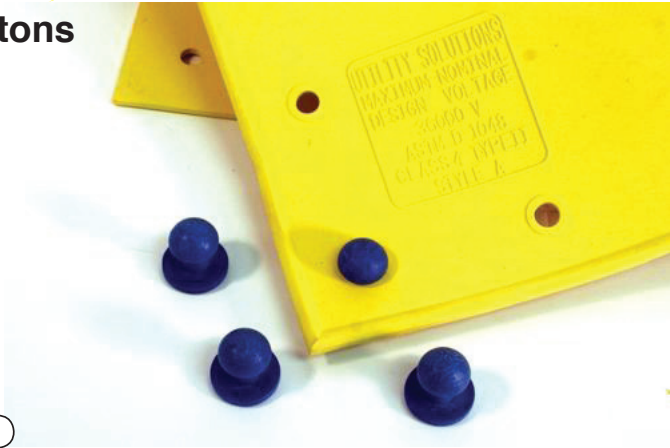
[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

USBM-001	Blanket Mate - 6 Magnet
USBM-002	Blanket Mate - 8 Magnet



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# Blanket Buttons



**USBM-003**

Product dimension: 1 " large diameter, .75 " small diameter x 1 " long.  
Product weight: .03 pound

Standard push button for installation of blankets which incorporate holes around their perimeter. The small diameter end is rounded for easy push through to install. The large diameter end facilitates easy removal from the blanket. Identical to the Salisbury B1 blanket button.

Sold in increments of 100.



## HOW TO ORDER:

[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

USBM-003

Blanket Buttons



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**Paint**



## Electrical Apparatus Paint



### POWERCOAT

Engineering personnel at Utility Solutions have solid background experience in formulation and application of protective coatings for the electrical utility industry. Utility Solutions offers a variety of coating systems to meet the varied demands of the customer. Our flagship paint is the POWERCOAT product line specifically formulated to meet and exceed ANSI pole mounted and pad mounted transformer performance specifications.

POWERCOAT products are high performance paints formulated especially for use on electrical apparatus such as transformers, capacitors, switchgear, regulators and reclosers. POWERCOAT meets the severe performance requirements required by utility standard organizations for new electrical equipment.

POWERCOAT is available in ANSI 70 Sky Gray for pole gear and ANSI Bell Green for pad gear. Available in both primer and topcoat and in both aerosols and gallons. Each aerosol can contains 12 ounces and comes packaged 12 cans per case. POWERCOAT aerosol cans are only sold by the case. Upon special request Utility Solutions can provide special colors and or special formulations (alkyds, epoxies polyurethanes, etc) to meet requirements dictated by in field application, color demand or compatibility issues.

Special requests quoted on an individual basis dependant upon coating chemistry and color.

<b>AT1-GRAY</b>	POWERCOAT ANSI 70 GRAY TOPCOAT - CANS
<b>AP1-GREEN</b>	POWERCOAT PADMOUNT GREEN PRIMER - CANS
<b>AT1-GREEN</b>	POWERCOAT PADMOUNT GREEN TOPCOAT - CANS
<b>P1-GRAY</b>	POWERCOAT ANSI 70 GRAY PRIMER - GALLON
<b>TC1-GRAY</b>	POWERCOAT ANSI 70 GRAY TOPCOAT - GALLON
<b>P1-GREEN</b>	POWERCOAT PADMOUNT GREEN PRIMER - GALLON
<b>TC1-GREEN</b>	POWERCOAT PADMOUNT GREEN TOPCOAT - CANS

### HOW TO ORDER:

[utilitysolutionsinc.com](http://utilitysolutionsinc.com)

See Chart Above



**UTILITY SOLUTIONS**  
 Innovative Products  
 for the 21<sup>st</sup> Century Lineman  
 Phone: 828-323-8914  
 Fax: 828-323-8410



## Appendix

### **Sales Representative Directory**

# UTILITY SOLUTIONS SALES REPRESENTATIVE DIRECTORY

## UNITED STATES

### ALABAMA

**ALL PRODUCT LINES**  
UTILITY-SPECIALISTS INC.  
3908 CYPRESS DRIVE  
BIRMINGHAM, AL 35243  
(205)-967-4602  
FAX: (205)-967-4673

### ALASKA

**ALL PRODUCT LINES**  
HEES ENTERPRISES  
#1 12<sup>th</sup> STREET  
ASTORIA, OR 97103  
(503)-325-8778  
FAX: (503)-325-2467

### ARIZONA

**ALL PRODUCT LINES**  
ARIZONA SUN SALES  
120 N. 44<sup>TH</sup> STREET  
PHOENIX, ARIZONA 85034  
(602)-437-0469  
FAX: (602)-437-0485

### ARKANSAS

**ALL PRODUCT LINES**  
**POWER SALES AND SERVICE**  
834 HWY 12  
#193  
STARKVILLE, MS 39759  
(662)-779-0203  
FAX: (601)-510-9199

### CALIFORNIA - NORTH

**ALL PRODUCT LINES**  
ISBERG-NOTT COMPANY  
4725 FIRST STREET #265  
PLEASANTON, CA 94566  
(925)-426-4718  
FAX: (925)-426-0323

### CALIFORNIA - SOUTH

**ALL PRODUCT LINES**  
M.A. HANSON & SON, LLC  
409 BEVERLY DRIVE  
REDLANDS, CA 92373  
(909)-593-7109  
FAX: (909)-593-9311

### COLORADO

**ALL PRODUCT LINES**  
HAMILTON ASSOCIATES  
14700 WEST 66<sup>TH</sup> PLACE  
UNIT 11  
ARVADA, CO 80004  
(303)-463-7549  
FAX: (303)-463-7553

### DELAWARE

**ALL PRODUCT LINES**  
G&M SALES, INC.  
1500 McDANIEL DRIVE  
WEST CHESTER, PA 19380  
(610)-738-1440  
FAX: (610)-738-1441

### DISTRICT OF COLUMBIA

**ALL PRODUCT LINES**  
J.B. SALES COMPANY  
7957 INDUSTRIAL PARK ROAD  
EASTON, MD 21601  
(410)-822-9611  
FAX: (410)-822-8358

### FLORIDA

**ALL PRODUCT LINES**  
UTILITY-SPECIALISTS INC.  
3908 CYPRESS DRIVE  
BIRMINGHAM, AL 35243  
(205)-967-4602  
FAX: (205)-967-4673

### GEORGIA

**ALL PRODUCT LINES**  
UTILITY-SPECIALISTS INC.  
3908 CYPRESS DRIVE  
BIRMINGHAM, AL 35243  
(205)-967-4602  
FAX: (205)-967-4673

### HAWAII

**ALL PRODUCT LINES**  
HEES ENTERPRISES  
#1 12<sup>th</sup> STREET  
ASTORIA, OR 97103  
(503)-325-8778  
FAX: (503)-325-2467

### IDAHO - NORTH

**ALL PRODUCT LINES**  
HEES ENTERPRISES  
#1 12<sup>th</sup> STREET  
ASTORIA, OR 97103  
(503)-325-8778  
FAX: (503)-325-2467

### IDAHO - SOUTH

**ALL PRODUCT LINES**  
HAMILTON ASSOCIATES  
14700 WEST 66<sup>TH</sup> PLACE  
UNIT 11  
ARVADA, CO 80004  
(303)-463-7549  
FAX: (303)-463-7553

### ILLINOIS - NORTH

**ALL PRODUCT LINES**  
MIDWEST ELECT. RESOURCES  
N109 ERIN ROAD  
OCONOMOWOC, WI 53066  
(517)-586-9000  
FAX: (517)-586-9009

### ILLINOIS - SOUTH

**ALL PRODUCT LINES**  
POWER EQUIPMENT SALES  
1507 LAKE AVENUE  
KANSAS CITY, KANSAS 66103  
(913)-384-3848  
FAX: (913)-384-5097

### INDIANA

**ALL PRODUCT LINES**  
POWERLINK ELECTRICAL SALES  
25000 CENTER RIDGE ROAD #7  
WESTLAKE, OHIO 44145  
(440)-899-0884  
FAX: (440)-899-1185

### IOWA

**ALL PRODUCT LINES**  
THE McCASKEY COMPANY  
5925 COUNCIL STREET, NE  
SUITE 112  
CEDAR RAPIDS, IOWA 52402  
(319)-743-3730  
FAX: (319)-743-3733

### KANSAS

**ALL PRODUCT LINES**  
POWER EQUIPMENT SALES  
1507 LAKE AVENUE  
KANSAS CITY, KANSAS 66103  
(913)-384-3848  
FAX: (913)-384-5097

**KENTUCKY**  
**ALL PRODUCT LINES**  
POWER SERVICE AGENCY  
2509 JOYA DRIVE  
NASHVILLE, TN 37214  
(615)-885-6362  
FAX: (615)-885-1261

**LOUISIANA**  
**ALL PRODUCT LINES**  
POWER SALES & SERVICE  
834 HWY 12  
STARKVILLE, MS 39759  
(662)-779-0203  
FAX: (601)-510-9199

**MAINE**  
**ALL PRODUCT LINES**  
HASGO POWER  
151 EAST MAIN ROAD  
LE ROY, NEW YORK 14482  
(585)-768-8500  
FAX: (585)-768-8093

**MARYLAND**  
**ALL PRODUCT LINES**  
J.B. SALES COMPANY  
7957 INDUSTRIAL PARK ROAD  
EASTON, MD 21601  
(410)-822-9611  
FAX: (410)-822-8358

**MASSACHUSETTS**  
**ALL PRODUCT LINES**  
HASGO POWER  
151 EAST MAIN ROAD  
LE ROY, NEW YORK 14482  
(585)-768-8500  
FAX: (585)-768-8093

**MICHIGAN**  
**ALL PRODUCT LINES**  
GAR-NET ASSOCIATES, INC.  
4160 BRIARHILL DRIVE  
MILAN, MICHIGAN 48160  
(734)-434-8868  
FAX: (734)-434-5663

**MINNESOTA**  
**ALL PRODUCT LINES**  
MINNKOTA ELECTRICAL SALES  
13310 32<sup>ND</sup> AVENUE N  
PLYMOUTH, MN 55441  
(763)-550-9590  
FAX: (763)-550-9689

**MISSISSIPPI – NO MS PWR**  
**ALL PRODUCT LINES**  
POWER SALES & SERVICE  
834 HWY 12  
STARKVILLE, MS 39759  
(662)-779-0203  
FAX: (601)-510-9199

**MISSISSIPPI – MS POWER**  
**ALL PRODUCT LINES**  
UTILITY-SPECIALISTS INC.  
3908 CYPRESS DRIVE  
BIRMINGHAM, AL 35243  
(205)-967-4602  
FAX: (205)-967-4673

**MISSOURI**  
**ALL PRODUCT LINES**  
POWER EQUIPMENT SALES  
1507 LAKE AVENUE  
KANSAS CITY, KANSAS 66103  
(913)-384-3848  
FAX: (913)-384-5097

**MONTANA - EAST**  
**ALL PRODUCT LINES**  
MINNKOTA ELECTRICAL SALES  
13310 32<sup>ND</sup> AVENUE N  
PLYMOUTH, MN 55441  
(763)-550-9590  
FAX: (763)-550-9689

**MONTANA - WEST**  
**ALL PRODUCT LINES**  
HEES ENTERPRISES  
#1 12TH STREET  
ASTORIA, OREGON 97103  
(503)-325-8778  
FAX: (503)-325-2467

**NEBRASKA**  
**ALL PRODUCT LINES**  
THE McCASKEY COMPANY  
5925 COUNCIL STREET, NE  
CEDAR RAPIDS, IOWA 52402  
(319)-743-3730  
FAX: (319)-743-3733

**NEVADA - NORTH**  
**ALL PRODUCT LINES**  
ISBERG-NOTT COMPANY  
4725 FIRST STREET #265  
PLEASANTON, CA 94566  
(925)-426-4718  
FAX: (925)-426-0323

**NEVADA - SOUTH**  
**ALL PRODUCT LINES**  
ARIZONA SUN SALES  
120 N. 44<sup>TH</sup> STREET  
PHOENIX, ARIZONA 85034  
(602)-437-0469  
FAX: (602)-437-0485

**NEW HAMPSHIRE**  
**ALL PRODUCT LINES**  
HASGO POWER  
151 EAST MAIN ROAD  
LE ROY, NEW YORK 14482  
(585)-768-8500  
FAX: (585)-768-8093

**NEW JERSEY**  
**ALL PRODUCTS LINES**  
G&M SALES, INC.  
1500 McDANIEL DRIVE  
WEST CHESTER, PA 19380  
(610)-738-1440  
FAX: (610)-738-1441

**NEW MEXICO**  
**ALL PRODUCT LINES**  
ARIZONA SUN SALES  
120 N. 44<sup>TH</sup> STREET  
PHOENIX, ARIZONA 85034  
(602)-437-0469  
FAX: (602)-437-0485

**NEW YORK – LESS NYC**  
**ALL PRODUCT LINES**  
HASGO POWER  
151 EAST MAIN ROAD  
LE ROY, NEW YORK 14482  
(585)-768-8500  
FAX: (585)-768-8093

**NEW YORK – NYC AREA**  
**ALL PRODUCT LINES**  
G&M SALES, INC.  
1500 McDANIEL DRIVE  
WEST CHESTER, PA 19380  
(610)-738-1440  
FAX: (610)-738-1441

**NORTH CAROLINA**  
**ALL PRODUCT LINES**  
STATEWIDE UTILITY PRODUCTS  
307 WITHERSPOON HEIGHTS  
JEFFERSON, NC 28640  
(336)-982-5260  
FAX: (336)-982-5266

**NORTH DAKOTA**  
**ALL PRODUCT LINES**  
MINNKOTA ELECTRICAL SALES  
13310 32<sup>ND</sup> AVENUE N  
PLYMOUTH, MN 55441  
(763)-550-9590  
FAX: (763)-550-9689

## **OHIO**

### **ALL PRODUCT LINES**

POWERLINK ELECTRICAL SALES  
25000 CENTER RIDGE ROAD #7  
WESTLAKE, OHIO 44145  
(440)-899-0884  
FAX: (440)-899-1185

## **OKLAHOMA**

### **ALL PRODUCT LINES**

PREFERRED SALES AGENCY  
624 SIX FLAGS DRIVE  
#214  
ARLINGTON, TEXAS 76011  
(817)-640-6360  
FAX: (817)-652-0146

## **OREGON**

### **ALL PRODUCT LINES**

HEES ENTERPRISES  
#1 12TH STREET  
ASTORIA, OREGON 97103  
(503)-325-8778  
FAX: (503)-325-2467

## **PENNSYLVANIA**

### **ALL PRODUCTS LINES**

G&M SALES, INC.  
1500 McDANIEL DRIVE  
WEST CHESTER, PA 19380  
(610)-738-1440  
FAX: (610)-738-1441

## **RHODE ISLAND**

### **ALL PRODUCT LINES**

HASGO POWER  
151 EAST MAIN ROAD  
LE ROY, NEW YORK 14482  
(585)-768-8500  
FAX: (585)-768-8093

## **SOUTH CAROLINA**

### **ALL PRODUCT LINES**

STATEWIDE UTILITY PRODUCTS  
307 WITHERSPOON HEIGHTS  
JEFFERSON, NC 28640  
(336)-982-5260  
FAX: (336)-982-5266

## **SOUTH DAKOTA**

### **ALL PRODUCT LINES**

MINNKOTA ELECTRICAL SALES  
13310 32<sup>ND</sup> AVENUE N  
PLYMOUTH, MN 55441  
(763)-550-9590  
FAX: (763)-550-9689

## **TENNESSEE – EAST 2/3**

### **ALL PRODUCT LINES**

POWER SERVICE AGENCY  
2509 JOYA DRIVE  
NASHVILLE, TN 37214  
(615)-885-6362  
FAX: (615)-885-1261

## **TENNESSEE – WEST 1/3**

### **ALL PRODUCT LINES**

POWER SALES & SERVICE  
834 HWY 12  
STARKVILLE, MS 39759  
(662)- 779-0203  
FAX: (601)-510-9199

## **TEXAS - NORTH**

### **PREFERRED SALES AGENCY**

624 SIX FLAGS DRIVE  
#214  
ARLINGTON, TEXAS 76011  
(817)-640-6360  
FAX: (817)-652-0146

## **TEXAS - SOUTH**

### **ALL PRODUCT LINES**

PREFERRED SALES AGENCY  
624 SIX FLAGS DRIVE  
#214  
ARLINGTON, TEXAS 76011  
(817)-640-6360  
FAX: (817)-652-0146

## **TEXAS – HOUSTON**

### **ALL PRODUCT LINES**

PREFERRED SALES AGENCY  
624 SIX FLAGS DRIVE  
#214  
ARLINGTON, TEXAS 76011  
(817)-640-6360  
FAX: (817)-652-0146

## **UTAH**

### **ALL PRODUCT LINES**

HAMILTON ASSOCIATES  
14700 WEST 66<sup>TH</sup> PLACE  
UNIT 11  
ARVADA, CO 80004  
(303)-463-7549  
FAX: (303)-463-7553

## **VERMONT**

### **ALL PRODUCT LINES**

HASGO POWER  
151 EAST MAIN ROAD  
LE ROY, NEW YORK 14482  
(585)-768-8500  
FAX: (585)-768-8093

## **VIRGINIA**

### **ALL PRODUCT LINES**

J.B. SALES COMPANY  
7957 INDUSTRIAL PARK ROAD  
EASTON, MD 21601  
(410)-822-9611  
FAX: (410)-822-8358

## **WASHINGTON**

### **ALL PRODUCT LINES**

HEES ENTERPRISES  
#1 12TH STREET  
ASTORIA, OREGON 97103  
(503)-325-8778  
FAX: (503)-325-2467

## **WEST VIRGINIA**

### **ALL PRODUCT LINES**

OPEN AT THIS TIME  
CALL FACTORY  
(828)-323-8914

## **WISCONSIN**

### **ALL PRODUCT LINES**

MIDWEST ELECT. RESOURCES  
N109 ERIN ROAD  
OCONOMOWOC, WI 53066  
(517)-586-9000  
FAX: (517)-586-9009

## **WYOMING – EAST**

### **ALL PRODUCTS**

THE McCASKEY COMPANY  
5925 COUNCIL STREET, NE  
SUITE 112  
CEDAR RAPIDS, IOWA 52402  
(319)-743-3730  
FAX: (319)-743-3733

## **WYOMING - SOUTH**

### **ALL PRODUCTS**

HAMILTON ASSOCIATES  
14700 WEST 66<sup>TH</sup> PLACE  
UNIT 11  
ARVADA, CO 80004  
(303)-463-7549  
FAX: (303)-463-7553