

**Your #1 resource for personal
electrical-safety protection**



SALISBURY

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Setting industry standards for over 150 years.

ISO 9001:2000 Registered

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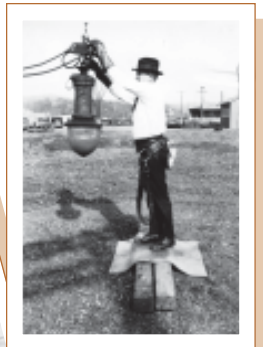
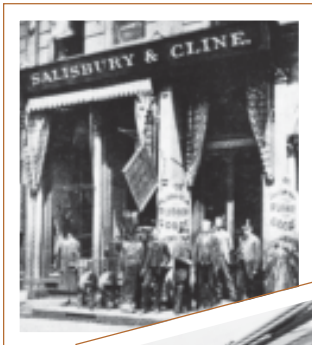
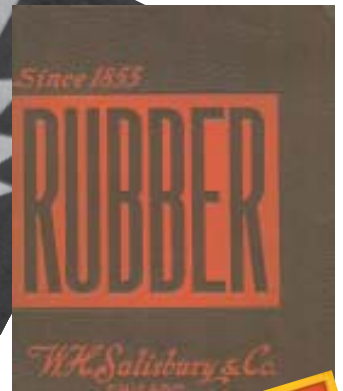
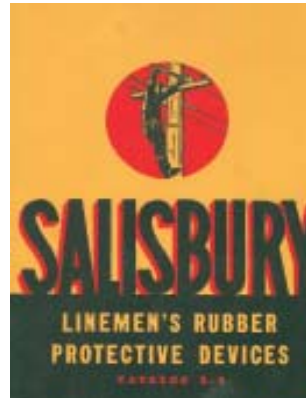
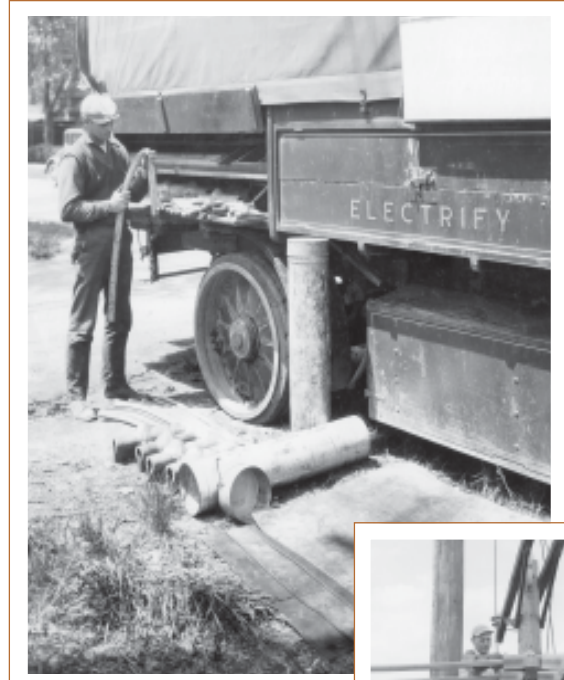
SALISBURY

Setting industry standards since 1855. 7520 N Long Ave Skokie IL 60077 Toll Free 877.406.4501 Fax 847.679.2401

SALISBURY LINE EQUIPMENT

Salisbury has been setting industry standards since 1855. For over 150 years, Salisbury has been the name an entire industry trusts to provide the finest safety products available. Salisbury pioneered the manufacture of linemen's Rubber Protective Equipment in the early 1920's.

Today, Salisbury is the leader in Personal Electrical-Safety Protection. We know that lives depend on the quality of our products, Salisbury's production facilities are all ISO 9001:2000 registered and are equipped and staffed to manufacture products which conform to the highest possible standards. This allowed Salisbury to become the world-wide leader in electrical safety equipment. Salisbury has four plants which manufacture Personal Protective Equipment, Hot Line Equipment, and SALVAR® Polymer Insulators. Only Salisbury produces its own rubber products in its own plants using four methods of rubber manufacture: Injection Molding, Compression/Transfer Molding, Extruding and Dipping. Salisbury's dedication to quality has also been carried over to the manufacture of Hot Line Tools and SALVAR Insulators. As a result, the name *Salisbury* on safety products is your assurance that you are using the finest equipment available for the job.





Caution

Line Equipment should only be used by electrical workers who have been thoroughly trained in its correct and safe use. Training should be conducted in accordance with the employer's work procedures and standards.

Our Warranty

Salisbury Line Equipment is warranted to be free from defects in materials and workmanship, and to meet the requirements of current ASTM standards at time of shipment. Our only obligation will be, at our option, to replace any portion proving defective or to refund the purchase price thereof. The buyer assumes all other risk, if any, such as the risk of any direct, indirect or consequential loss or damage arising out of the use of, or inability to use, these products.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND MAY NOT BE VARIED OR EXTENDED EXCEPT IN WRITING BY AN AUTHORIZED OFFICIAL OF SALISBURY.

ASTM Specifications for Salisbury Equipment

Gloves, Sleeves and Footwear

ASTM D120	Standard Specification for Rubber Insulating Gloves
ASTM D1051	Standard Specification for Rubber Insulating Sleeves
ASTM F696	Standard Specification for Leather Protectors for Rubber Insulating Gloves and Mittens
ASTM F496	Standard Specification for In-Service Care of Insulating Gloves and Sleeves
ASTM F1116	Standard Test Method for Determining Dielectric Strength of Dielectric Footwear
ASTM F1117	Standard Specification for Dielectric Footwear
ASTM F2413-05	Standard Requirements for Protective Footwear

Insulating Blanket, Matting and Sheeting

ASTM D 178	Standard Specification for Rubber Insulating Matting
ASTM D1048	Standard Specification for Rubber Insulating Blankets
ASTM F479	Standard Specification for In-Service Care of Insulating Blankets
ASTM F2320	Standard Specification for Rubber Insulating Sheeting
ASTM F1742	Standard Specification for PVC Insulating Sheeting

Line Hose and Covers

ASTM D1049	Standard Specification for Rubber Insulating Covers
ASTM D1050	Standard Specification for Rubber Insulating Line Hose
ASTM F478	Standard Specification for In-Service care of Insulating Line Hose and Covers

Hotstick Grounds and Bypass Jumpers

ASTM F711	Standard Specification for Fiberglass Reinforced Plastic (FRP) Rod and Tube used in Live Line Tools
ASTM F1825	Standard Specification for Clampstick Type Live Line Tools
ASTM F855	Standard Specification for Temporary Protective Grounds to be used on De-energized Electric Power Lines & Equipment
ASTM F2321	Standard Specification for Flexible Insulated Temporary By-Pass Jumpers
ASTM F2249	Standard Specification for In-Service Test Methods for Temporary Grounding Jumper Assemblies
	Used on De-Energized Electric Power Lines & Equipment

Plastic Equipment

ASTM F968	Standard Specification for Electrically Insulating Plastic Guard Equipment for Protection of Workers
ASTM F712	Standard Specification for Test Methods for Electrically Insulating Plastic Guards Equipment for Protection of Workers

Inspection

ASTM F1236	Guide for Visual Inspection of Electrical Protective Rubber Products
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OSHA



ASTM Labeling Chart

SALISBURY'S Natural Rubber and SALCOR® Rubber Electrical Protective Equipment

Class Color	Proof Test Voltage AC / DC	Max. Use Voltage AC / DC	Rubber Molded Products Label	Insulating Rubber Glove Label	Insulating Rubber Dipped Sleeve Label	ASTM Specification Reference
00 Beige	2,500 / 10,000	500 / 750				D120 Rubber Insulating Gloves D178 Rubber Insulating Matting D1048 Rubber Insulating Blankets D1049 Rubber Insulating Covers D1050 Rubber Insulating Line Hose D1051 Rubber Insulating Sleeves
0 Red	5,000 / 20,000	1,000 / 1,500				F478 In-Service Care of Line Hose & Covers
1 White	10,000 / 40,000	7,500 / 11,250				F479 In-Service Care of Insulating Blankets F496 In-Service Care of Gloves & Sleeves
2 Yellow	20,000 / 50,000	17,000 / 25,500				F696 Leather Protectors for Insulating Gloves F1236 Inspection Guide for Rubber Products
3 Green	30,000 / 60,000	26,500 / 39,750				F1742 PVC Insulating Sheeting F2320 Rubber Insulating Sheeting
4 Orange	40,000 / 70,000	36,000 / 54,000				Type I- Designates natural rubber. Type II- Designates SALCOR® UV and ozone resistant rubber.

Insulating Gloves and Sleeves must have a color coded label to meet appropriate ASTM Specifications.

REQUEST THE BEST WITH SALISBURY

Part #ASTMCHART
5M1205

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whsalisbury.com

GENERAL CARE & INSPECTION OF SALISBURY RUBBER GOODS

Type I natural (non-ozone resistant) and **Type II SALCOR®** synthetic rubber (resistant to ozone) both provide electrical workers with the highest level of electrical insulating protection. However, in order to maintain this level of protection and ensure long life, it is essential that rubber goods are properly cared for. Before each use, rubber goods should be visually inspected for holes, embedded wires, rips or tears, ozone cutting, UV checking and signs of chemical deterioration. For additional information, refer to ASTM F1236, standard guide for visual inspection of electrical protective rubber products.

Common Problems to Look for



Cracking & Cutting: This type of damage is caused by prolonged folding or compressing.



Chemical Attack: This photo shows swelling caused by oils and petroleum compounds.



Contamination: Discard protectors contaminated with oil or petroleum compounds.



Snags: Damage shown is due to wood or metal splinters or other sharp objects.



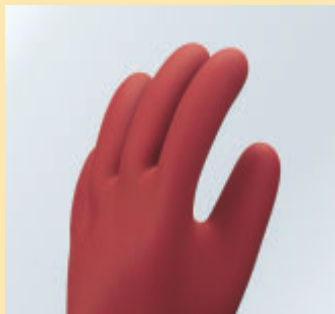
UV Checking: Storing in areas exposed to prolonged sunlight causes UV checking.



Physical Damage: Rope burns, deep cuts and punctures are cause for rejection.



Avoid Folding Electrical Gloves. The strain on rubber at a folded point is equal to stretching the glove to twice its length.



Avoid Storing Inside Out. Storing reversed gloves strains the rubber severely and promotes ozone cutting.



Embedded Wires: Inspect for embedded wires or metal shavings that could puncture rubber gloves.

Manufacturing DATE CODES

G Jan	Z 1976	L 1988	X 2000
O Feb	A 1977	M 1989	Z 2001
D March	B 1978	N 1990	A 2002
H April	C 1979	O 1991	B 2003
E May	D 1980	P 1992	C 2004
L June	E 1981	Q 1993	D 2005
P July	F 1982	R 1994	E 2006
U Aug	G 1983	S 1995	F 2007
S Sept	H 1984	T 1996	G 2008
T Oct	I 1985	U 1997	H 2009
X Nov	J 1986	V 1998	I 2010
Z Dec	K 1987	W 1999	J 2011

IMPORTANT:

Rubber Insulating Equipment is for your personal protection against electrical shock.

If it is damaged and in use, a serious injury may result.

Remove damaged equipment immediately from the job.

HOT STICKS & TOOLS



FIBERGLASS HOT STICKS

Standard Specifications

There are a variety of Fiberglass Reinforced Plastic (FRP) constructions used for hot sticks. Included are foam filled tubular sticks used for all products requiring solid construction. All Salisbury fiberglass sticks meet ASTM F711 Standard Specifications for FRP and tube used in live line tools and IEC 855.

Foam filled hot sticks are manufactured using the pultrusion process. This method incorporate fiberglass reinforcement in a resin matrix which creates a moisture resistant laminate with excellent electrical and mechanical properties.

Hot stick production is 100% electrically proof tested. Hot Stick blanks must conform with ASTM F711 requirements.



Live Line Work Minimum Approach Distance		
Nominal Voltage kV	Exposure Distance ft.-in (m)	
	Phase to Ground	Phase to Phase
.05 to 1	avoid contact	avoid contact
1.1 to 15	2-1 (.64)	2-2 (.66)
15.1 to 36	2-4 (.72)	2-7 (.77)
36.1 to 46	2-7 (.77)	2-10 (.85)
46.1 to 72.5	3-0 (.9)	3-6 (1.05)
72.6 to 121	3-2 (.95)	4-3 (1.29)
138 to 145	3-7 (1.09)	4-11 (1.5)
161 to 169	4-0 (1.22)	5-8 (1.71)
230 to 242	5-3 (1.59)	7-6 (2.27)
345 to 362	8-6 (2.59)	12-6 (3.8)
500 to 550	11-3 (3.42)	18-1 (5.5)
765 to 800	14-11 (4.53)	26-0 (7.91)

- These distances take into consideration the highest switch surge an employee will be exposed to on any system with air as the insulating medium and the maximum voltage shown.
-The clear live-line total distances shall equal or exceed the values for the indicated voltage ranges.

FRP CLAMPSTICKS

Tough Thermoplastic head ferrule.
EZ Grip plastic hand grip.
Wide opening 15/16" (23.8mm)
stainless steel hook.
Heavy duty rubber end cap.

External Rod Clampsticks are constructed of closed cell foam-filled tubular fiberglass in accordance with ASTM standard F711. The hook's operating rod, made of solid 3/8" (9.5mm) dia. fiberglass, is mounted on the exterior of the tool so that it can be easily wiped down prior to use.

These Clampsticks meet ASTM F1825 Standards.

Cat. No.	Length		Weight ea.	
	Feet	Meters	lbs.	kgs
EXTERNAL ROD CLAMPSTICK				
4007	4' 8"	1.32	4.2	1.9
4008	5' 8"	1.62	4.6	2.1
4009	6' 8"	1.93	5.2	2.4
4010	8' 8"	2.54	6.2	2.8
4011	10' 8"	3.15	7.0	3.2
4012	12' 8"	3.76	7.7	3.5
4013	14' 8"	4.37	9.4	4.3

Add a "9864" suffix for a Switch Stick Head or a "9840" suffix for a Splined Universal Head. Clamp sticks may be ordered with these fittings attached to the end by adding the appropriate suffix to the catalog number.



Side Opening Hook



9840 Splined Universal Head



External Rod Clampstick

UNIVERSAL SWITCH STICKS

One, two, and three section hot sticks have a standard splined universal head. 1.25" dia. switch sticks are supplied with a #9971 Prong. A Heavy Duty Disconnect Prong #9969 is supplied on all others.



9969 Prong



9971 Prong

Cat. No.	Dimensions: Dia. x Length				Weight ea.			
	in x ft.		mm x m		lbs.	kgs		
ONE SECTION								
4213	1.25 x 4		31.7 x 1.2		2.6	1.2		
4214	1.25 x 6		31.7 x 1.8		3.4	1.5		
4215	1.25 x 8		31.7 x 2.4		4.1	1.9		
4216	1.25 x 10		31.7 x 3		4.9	2.2		
4217	1.25 x 12		31.7 x 3.6		5.6	2.5		
4218	1.25 x 14		31.7 x 4.3		6.4	2.9		
4219	1.5 x 8		38.1 x 2.4		5.4	2.5		
4220	1.5 x 10		38.1 x 3		6.5	3		
4221	1.5 x 12		38.1 x 3.6		7.5	3.4		
4222	1.5 x 14		38.1 x 4.3		8.6	3.9		
4223	1.5 x 16		38.1 x 4.9		9.8	4.3		
4225	1.5 x 20		38.1 x 6		11.7	5.3		
TWO SECTIONS								
	OAL Length		Top		Bottom		lbs.	kgs
	ft.	m	in. x ft.	mm x m	in. x ft.	mm x m		
4036	8	2.4	1.25 x 4	31.7 x 1.2	1.25 x 4	31.7 x 1.2	4.2	1.9
4037	10	3	1.25 x 5	31.7 x 1.5	1.25 x 5	31.7 x 1.5	5.2	2.2
4038	12	3.6	1.25 x 6	31.7 x 1.8	1.5 x 6	38.1 x 1.8	6.9	3.1
4039	14	4.3	1.25 x 6	31.7 x 1.8	1.5 x 8	38.1 x 2.4	7.9	3.1
4040	16	4.9	1.25 x 8	31.7 x 2.4	1.5 x 8	38.1 x 2.4	8.6	3.9
4041	18	5.5	1.25 x 8	31.7 x 2.4	1.5 x 10	38.1 x 3	9.6	4.4
4042	20	6	1.25 x 10	31.7 x 3	1.5 x 10	38.1 x 3	10.4	4.7
THREE SECTION								
	OAL Length		Top		Middle/Bottom		lbs.	kgs
	ft.	m	in x ft.	mm x m	in. x ft.	mm x m		
4043	12	3.6	1.25 x 4	31.7 x 1.2	1.5 x 4	38.1 x 1.2	7.7	3.5
4044	15	4.6	1.25 x 5	31.7 x 1.5	1.5 x 5	38.1 x 1.5	9.1	4.1
4045	18	5.5	1.25 x 6	31.7 x 1.8	1.5 x 6	38.1 x 1.8	10.5	4.7
4046	20	6	1.25 x 8	31.7 x 2.4	1.5 x 6	38.1 x 1.8	16.5	7.5
HEAD ONLY								
9840			1.25	31.7	Universal Head		0.2	0.1
9841			1.5	38.1	Universal Head		0.3	0.1



Universal Switch Stick



FRP Splices with Button

FIBERGLASS HOT SWITCH STICKS

Switch Sticks use closed cell foam filled tubular fiberglass made in accordance with ASTM Standard F711. Both the standard head and the heavy duty prong disconnect are made of durable high strength aluminum bronze alloy.



Standard Prong



Heavy Duty Prong



Fiberglass Hot Switch Stick

Cat. No.		Dimensions: Dia. x Length						Weight ea.		
HD	Std	Prong	in. x ft.		mm x m		lbs.	kgs		
ONE SECTION										
9950	9933		1.25 x 4		31.7 x 1.2		2.1	1		
9951	9934		1.25 x 6		31.7 x 1.8		2.9	1.3		
9952	9935		1.25 x 8		31.7 x 2.4		3.6	1.6		
9953	9936		1.25 x 10		31.7 x 3		4.4	2		
9954	9937		1.25 x 12		31.7 x 3.6		5.1	2.3		
9955	9938		1.25 x 14		31.7 x 4.3		5.9	2.7		
9956	9939		1.5 x 8		38.1 x 2.4		5	2.3		
9957	9940		1.5 x 10		38.1 x 3		6	2.7		
9958	9941		1.5 x 12		38.1 x 3.6		7	3.2		
9959	9942		1.5 x 14		38.1 x 4.3		8.1	3.7		
9960	9943		1.5 x 16		38.1 x 4.9		9.1	4.1		
9961	9944		1.5 x 18		38.1 x 5.5		10.2	4.6		
9962	9945		1.5 x 20		38.1 x 6		11.2	5.1		
TWO SECTION										
			OAL Length		Top		Bottom			
			ft.	m	in. x ft.	mm x m	in. x ft.	mm x m	lbs.	kgs
4024	-		8	2.4	1.25 x 4	31.7 x 1.2	1.25 x 4	31.7 x 1.2	3.8	1.7
4025	-		10	3	1.25 x 5	31.7 x 1.5	1.25 x 5	31.7 x 1.5	4.6	2.1
4026	4016		12	3.6	1.25 x 6	31.7 x 1.8	1.25 x 6	31.7 x 1.8	5.3	2.4
-	4017		14	4.3	1.25 x 7	31.7 x 2.1	1.25 x 7	31.7 x 2.1	6.1	2.7
4028	4018		16	4.9	1.25 x 8	31.7 x 2.4	1.5 x 8	38.1 x 2.4	8	3.6
4029	-		18	5.5	1.25 x 8	31.7 x 2.4	1.5 x 10	38.1 x 3	9.5	4.3
4030	-		20	6	1.25 x 10	31.7 x 3	1.5 x 10	38.1 x 3	10.3	4.6
THREE SECTION										
			OAL Length		Top		Middle / Bottom			
			in.	mm	in. x ft.	mm x m	in. x ft.	mm x m	lbs.	kgs
4033	-		18	5.5	1.25 x 6	31.7 x 1.8	1.5 x 6	38.1 x 1.8	10.4	4.7
4034	4035		20	2	1.25 x 8	31.7 x 2.4	1.5 x 6	38.1 x 1.8	11.1	5
HEAD ONLY										
-	9864				1.25	31.7	Universal Head		0.4	0.2
9861	-				1.5	38.1	Universal Head		0.5	0.2

UNIVERSAL SWITCH STICKS & ACCESSORIES

Double Ended & Tie Heads



4182 Cap
Splice Guard

FRP Sleeve Splices are fiberglass reinforced plastic with spring loaded push buttons. They sectionize long sticks for easy storage. For splice stick assemblies other than those listed in the catalog consult the factory for quotations.

Splice Guards reduce the damage to the end of spliced sticks when working with only the top sections.



FRP Splices with Button

Cat. No.	Dimensions		Weight ea.	
	in.	mm	lbs.	kgs
FRP SLEEVE SPLICES				
9898	1.25 to 1.25	31.7 to 31.7	0.4	0.2
9897	1.5 to 1.25	38.1 to 31.7	0.8	0.4
9899	1.5 to 1.5	38.1 to 38.1	0.9	0.4
SPLICE GUARD CAP				
4182	1.25 I.D.	31.7 I.D.	0.2	0.1

These foam filled FRP Hot Sticks are manufactured using a pultrusion process that results in a product with extremely high electrical and mechanical qualities.



4084 Rotary Prong



4088 Double Prong Head

Cat. No.		Dimensions: Dia. x Length		Weight ea.	
		in. x ft.	mm x m	lbs.	kgs
DOUBLE ENDED UNIVERSAL					
4230		1.25 x 6	31.7 x 1.8	3.3	1.5
4231		1.25 x 8	31.7 x 2.4	4	1.8
4232		1.25 x 10	31.7 x 3	4.8	2.2
4233		1.25 x 12	31.7 x 3.6	5.5	2.5
4234		1.25 x 14	31.7 x 4.3	6.3	2.8
UNIVERSAL w/ Rotary Prong or Blade					
4084	Rotary Prong	1.25 x 6	31.7 x 1.8	3.8	1.7
4085	Rotary Prong	1.25 x 8	31.7 x 2.4	4.5	2
UNIVERSAL w/ Double Prong					
4088		1.25 x 6	31.7 x 1.8	3.8	1.7
4089		1.25 x 8	31.7 x 2.4	4.5	2



Double Ended Universal
Switch Stick

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RESCUE HOOK, STATIC DISCHARGE STICK

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

The Static Discharge Stick is designed to safely remove the static charge after de-energizing. This tool is pre-assembled and includes a copper “U” hook, 4’ closed cell foam filled tubular fiberglass stick and 6’ of copper grounding cable attached to a Salisbury 1814 bronze flat jaw serrated grade 3 clamp. Also available in a 1’ length stick.



Insulated Rescue Hook



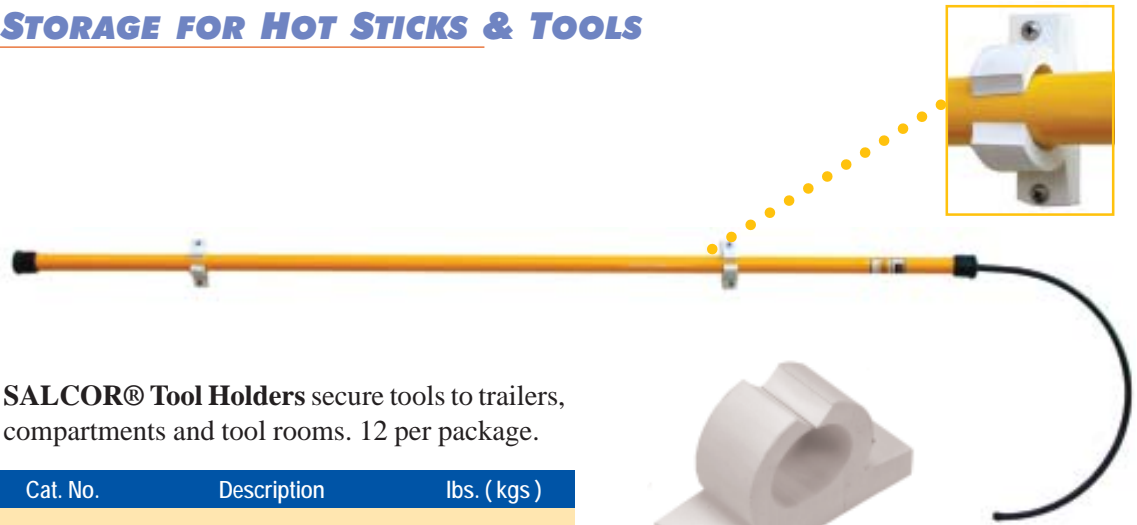
Static Discharge Stick
w/ Universal Attachment



Static Discharge Stick

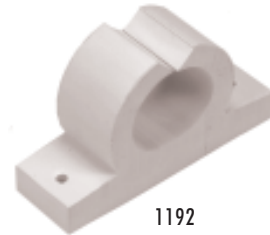
Cat. No.	Dimensions		Weight ea.	
	in.	mm	lbs.	kgs
INSULATED RESCUE HOOK				
24400	Rescue Hook 3' (0.9 m) length		3.4	(1.5)
24401	Rescue Hook 6' (1.8 m) length		4.5	(2)
24403	Rescue Hook 8' (2.4 m) length		5.5	(2.5)
STATIC DISCHARGE STICK				
20817	Static Discharge Stick 4' (1.2m) length		8	(3.6)
22629	Static Discharge Stick w/ Universal Attachment 1' (0.3m) length		.38	(0.17)

STORAGE FOR HOT STICKS & TOOLS



SALCOR® Tool Holders secure tools to trailers, compartments and tool rooms. 12 per package.

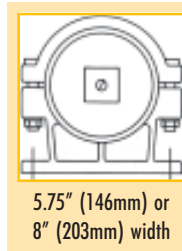
Cat. No.	Description	lbs. (kgs)
1192	1.25 (32mm) I.D. Tool Holder	3.5 (1.6)



1192

Tubular PVC Storage Containers

provide weather tight storage. Kit includes two mounting brackets and four steel bolts with each 6" (152mm) I.D. or 4.1" (104mm) tube. Sized for tools 12" (305mm) shorter than tube. Four mounting bolts 3/8" x 1.5" (9.5 x 38mm) are supplied with each container.



5.75" (146mm) or
8" (203mm) width

Kit may be ordered without tubing, or with mounting brackets only.

Cat. No.	Description/Dimensions in. (mm)	lbs. (kgs)
9822	Kit for 6" (152) I.D. 6.6" (168) O.D. tube	8 (3.5)
9823	Kit for 4.1" (104) I.D. 4.5" (114) O.D. tube	6 (2.7)



4155

Hot Stick Bags are constructed of heavy vinyl with double stitched seams. Flaps snap closed. 6" (152mm) wide and designed to hold sticks up to 4" (102mm) shorter than bag length shown on chart.



Hot Stick Bag

Cat. No.	Feet	Length meters	Weight ea. lbs. (kgs)
HOT STICK BAGS			
4297	5	1.5	.7 (.3)
4298	6	1.8	.8 (.3)
4299	6' 4"	1.9	.9 (.4)
4300	7	2	1 (.4)
4301	8' 4"	2.5	1.1 (.5)
4302	9	2.7	1.2 (.5)
4303	10' 4"	3	1.4 (.6)
4" I.D. TUBULAR PVC STORAGE KIT			
4155	7	2.13	17 (7.7)
4156	9	2.74	20 (9)
6" I.D. TUBULAR PVC STORAGE KIT			
4167	6	1.82	20 (9)
4168	7	2.13	22 (10)
4169	9	2.74	26 (11.7)

UNIVERSAL FITTINGS

Universal Fittings, constructed of bronze or aluminum, can be installed on universal sticks or clamp sticks by using the 2500 shotgun adapter.



2500 Shotgun Adapter
.4 lbs (.2 kgs)



4236 Tree / Wire Hook
.36 lbs (.2kgs)



9878 Pig Tail Disconnect
.4 lbs (.2 kgs)



9838 Chuck Blank
Inside Depth: 1/2" x 1 1/2" (13 x 38mm)
.4 lbs (.2 kgs)



9971 Light Duty Cutout Prong
.4 lbs (.2 kgs)



9969 Heavy Duty Disconnect Head
.6 lbs (.3 kgs)



9970 Prong Disconnect
.4 lbs (.2 kgs)



4099 Rotary Prong Tie Head
.6 lbs (.27 kgs)



4100 Rotary Blade Tie Head
.7 lbs (.3 kgs)



9839 Pointed Disconnect
.4 lbs (.2 kgs)



4101 Double Prong Tie Head
.5 lbs (.22 kgs)



4102 Fixed Blade Tie Head
.5 lbs (.22 kgs)

UNIVERSAL FITTINGS



4108 Tubular Line Cleaner
1.3 lbs (.6 kgs)
4109 Replacement Brush
.5 lbs (.22 kgs)



4111 "V" Line Cleaner
1.3 lbs (.6 kgs)
4113 Replacement Brushes
Carton of ten
3 lbs (1.4 kgs)



4106 Curved Blade Skinning Knife
.4 lbs (.2 kgs)
4107 Replacement Blade
.1 lbs (.05 kgs)



4105 Tree Pruner
Mounted on 12' (3.6m) fiberglass pole,
complete with 25' (7.62m) of line
.4 lbs (.2 kgs)



4103 Handle for pruning saw
.5 lbs (.22 kgs)



4104 Pruning Saw w/ 18"(457mm) blade
.5 lbs (.22 kgs)



9834 Clamp Stick Head
1.4 lbs (.6 kgs)



UST Universal System Tool
Blanket Pin
1 lb. (.45 kgs)



4114 Flex Head Socket Wrench
1.2 lbs (.5 kgs)



4115 Ratchet Wrench
1/2" (12.7 mm) sq. drive
.5 lbs (.22 kgs)

HYDRAULIC CABLE SPIKE

The **Hydraulic Cable Spike** is designed to verify underground cable, up to 1000MCM, is de-energized before cutting, repairing, splicing or replacing.

The cable spike, a solid brass body with a stainless steel piercing tip, is fitted to hydraulic compression tools so that the cable can be accurately spiked from a safe distance. An anodized aluminum insert is included to position the cable precisely.



24320

**Improves Control,
Accuracy and Safety
Saves Time
Remote Controlled**

**WARNING: ELECTRIC
SHOCK HAZARD**

This tool is not insulated. Use only certified, non-conductive hoses and proper personal protective equipment when using this unit. Failure to do so could result in severe injury or death.

Adapter fits the following tools:

Huskie EP610H
Burndy Y46
Brock 13-H.

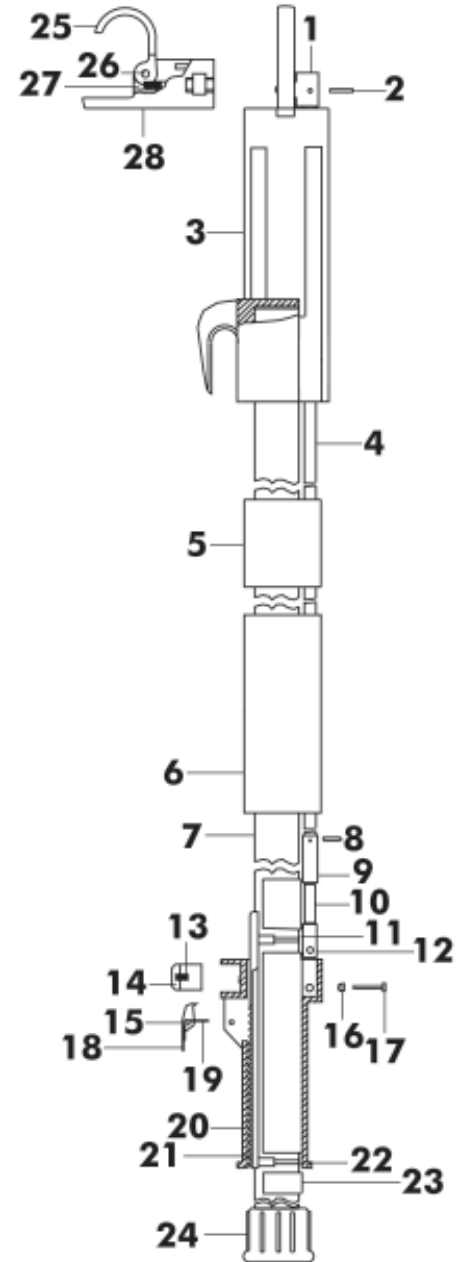
Cat. No.	Cable Length ft (m)	Description	Weight ea. lbs. (kgs)
24320	6 (1.8)	Spiking Tool & Grounding Assembly: Cable Spiking Tool & Insert	9.5 (4.3)
24321	8 (2.4)	4388 C Clamp 2139 4/0 Cu Cable	11.2 (5.1)
24322	10 (3)	2025 4/0 Cu Ferrules (Pair) 616 Bag US Patent # 544 7450	12.9 (5.86)
RPT1		Replacement Piercing Tip	1 oz (28 g)

FIBERGLASS HOT CLAMPSTICKS REPAIR PARTS LIST

External Rod

Ref. No.	Cat. No.	Description
1	20178	Guide Assembly
2	20260	Roll Pin .125" Dia. x .5" Lg. (3.2 x 13mm)
3	20174	Ferrule
4*	20265-1	Operating Rod
5*	20381	Operating Rod Guide
6	20250	Handguard Sleeve
7	20114	Hot Stick Blank 1.25" Dia. (32mm)
8	20262	Roll Pin .125 Dia. x .56 Lg. (3.2 x 14mm)
9	20251	Operating Rod Connector
10	20258	Hex Socket Set Screw .375-16 x 1.25
11	20257	Flat Head Screw 10-32 x 1.125 Lg. (254-813 x 29)
12	20253	Adjustment Block
13	20254	Compression Spring
14	20139	Button
15	20263	Roll Pin .125 Dia. x .75 Lg. (3.2 x 19)
16	20445	10-32 Hex Jam Nut
17	20443	Hex Head Machine Screw 10-32 x 1.25
18	20140	Trigger
19	20255	Torsion Spring
20	20141	Handgrip
21	20142	Rack for Handgrip
22	20257	Flat Head Screw 10-32 x 1.125 Lg. (254-813 x 29)
23	20252	Handgrip Sleeve
24	1959	End Cap
25	20176	Jaw Hook
26	20332	Roll Pin .25 Dia. x .47 Lg. (6 x 12)
27	20470	Hook Spring
28	20177	Hook Holder

Assembly No.	Description	Consist of Parts
4317	Hook Assembly	28, 29, 30, 31





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