

HOT STICKS & TOOLS



HOT STICKS & TOOLS

FAQ

Q: Are rescue sticks required to be periodically electrically tested?

A: Yes, see OSHA 1910.269(j) for specific testing requirements.

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.	kg
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
EXTERNAL ROD CLAMPSTICK - PLAIN CAP				
8106C	6'6"	1.98	5	2.27

*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

FIBERGLASS HOT SWITCH STICKS

DOUBLE ENDED

Fiberglass Handles are manufactured in accordance with the following specifications: ASTM F711, OSHA 1910.269(j), and OSHA 1926.951(d). All handles are made from pultruded, smooth, foam-filled fiberglass. Safety yellow is the primary fiberglass color. It is recommended that handles be wiped clean with a silicote cloth before and after every use.

The most commonly used combinations are shown below. Other lengths are available. Bags are not included but are available.

The **8900** rain guard is a yellow molded EPDM shield held in place with a hose clamp. Rain guards fit over 1-1/4" to 1-1/2" (3.2 cm to 3.8 cm) diameter handles and provide a dry handle area if the sticks are used in the rain.

Cat. No.	Diameter x Overall Length	Weight lbs. (kgs)
----------	---------------------------	-------------------

CAP & THREADED FERRULE

10078CH	1" x 6'6" (2.5 cm x 1.98 m)	2 (0.91)
10096CH	1" x 8' (2.5 cm x 2.44 m)	2 (0.91)
12578CH	1 1/4" x 6'6" (3.2 cm x 1.98 m)	2 (0.91)
12596CH	1 1/4" x 8' (3.2 cm x 2.44 m)	3 (1.36)
15078CH	1 1/2" x 6'6" (3.8 cm x 1.98 m)	5 (2.27)
15096CH	1 1/2" x 8' (3.8 cm x 2.44 m)	6 (2.72)

Cat. No.	Diameter x Overall Length	Weight lbs. (kgs)
----------	---------------------------	-------------------

TWO THREADED FERRULES

10078HH	1" x 6'6" (2.5 cm x 1.98 m)	2 (0.91)
10096HH	1" x 8' (2.5 cm x 2.44 m)	2 (0.91)
12578HH	1 1/4" x 6'6" (3.2 cm x 1.98 m)	3 (1.36)
12596HH	1 1/4" x 8' (3.2 cm x 2.44 m)	4 (1.81)
15078HH	1 1/2" x 6'6" (3.8 cm x 1.98 m)	3 (1.36)
15096HH	1 1/2" x 8' (3.8 cm x 2.44 m)	6 (2.72)
150120HH	1 1/2" x 10' (3.8 cm x 3.05 m)	6 (2.72)

TWO INSULATED HEX FERRULES

12578HHM	1 1/4" x 6'6" (3.2 cm x 1.98 m)	4 (1.81)
12596HHM	1 1/4" x 8' (3.2 cm x 2.44 m)	4 (1.81)

CAP & UNIVERSAL FERRULE

10078CU	1" x 6'6" (2.5 cm x 1.98 m)	2 (0.91)
12578CU	1 1/4" x 6'6" (3.2 cm x 1.98 m)	2 (0.91)
15096CU	1 1/2" x 8' (3.8 cm x 2.44 m)	6 (2.72)

RAIN GUARD

8900	Rain Guard w/ Hose Clamp	0.2 (0.1)
------	--------------------------	-----------



Quick Change Head

TOGGLE HANDLE FIBERGLASS CLAMPSTICKS

MAKE THE JOB EASIER.

Specialized Toggle Handle Increases Leverage.

The toggle handle fiberglass hot switch sticks and clampsticks include a bendable handle that provides increased leverage when needed.

Fiberglass Hot Switchsticks are manufactured in accordance with the following specifications: ASTM F711, OSHA 1910.269(j), and OSHA 1926.951(d). All handles are made from pultruded, smooth, foam-filled fiberglass. Safety yellow is the primary fiberglass color. It is recommended that handles be wiped clean with a silicote cloth before and after every use.

All **Fiberglass Clampsticks** are fixed length external rod fiberglass clampsticks which maintain maximum dielectric strength. A full open side hook provides an unobstructed view of the hook. The molded, insulated head provides a larger opening. The precision cast slide gives complete control and an extra firm grip. The hook release mechanism is easy to operate and the extended length spear provides an easy method of locating the eye of hot taps that are other-wise hard to locate. All fiberglass used is tested at 50kV / 6 inches (100kV / foot) and meets the dielectric leakage requirements of ASTM F711.

Other lengths available upon request. Bag not included.

TOGGLE MAXIMUM TORQUE RATING: 60 FOOT POUNDS.

Cat. No.	Description	Weight lbs. (kgs)
TOGGLE HANDLE & THREADED FERRULE		
12578HE	1 1/4" x 6'6" (3.2 cm x 1.98 m)	4 (1.81)
12596HE	1 1/4" x 8' (3.2 cm x 2.44 m)	4 (1.81)
12548HE	1 1/4" x 4' (3.2 cm x 1.22 m)	4 (1.81)
TOGGLE HANDLE & UNIVERSAL FERRULE		
12578UE	1 1/4" x 6'6" (3.2 cm x 1.98 m)	4 (1.81)
12596UE	1 1/4" x 8' (3.2 cm x 2.44 m)	4 (1.81)
12548UE	1 1/4" x 4' (3.2 cm x 1.22 m)	4 (1.81)
TOGGLE HANDLE & INSULATED HEX FERRULE		
12578HEM	1 1/4" x 6'6" (3.2 cm x 1.98 m)	4 (1.81)
12596HEM	1 1/4" x 8' (3.2 cm x 2.44 m)	4 (1.81)
TOGGLE HANDLE & CLAMPSTICK		
8104E	4'6" (1.37m) OAL Toggle Handle Fiberglass Clampstick	4.5 (2.04)
8106E	6'6" (1.98m) OAL Toggle Handle Fiberglass Clampstick	5 (2.27)
8108E	8'6" (2.59m) OAL Toggle Handle Fiberglass Clampstick	6.5 (2.95)
8110E	10'6" (3.2m) OAL Toggle Handle Fiberglass Clampstick	7 (3.18)



SPECIALTY HOT SWITCH STICKS

The **Mechanical Hand Stick** serves both as a hand and as pliers so that any serve-up or type of tie can be made or removed from the line. Very little effort is required to serve a wire taut and as perfectly as when hand and pliers are used. It is possible to roll the wire into place around the conductor, making a tight connection easily, instead of jerking and pulling.

The **Wire Clamp Stick** has two fiberglass handles: the operating handle is 1" (2.5 cm) in diameter and the stationary handle is 1 1/4" (3.2 cm) in diameter. The wire clamp stick is used to hold tie wires in place, hold jumper wires while taps are being made or removed, and to hold wires when cutting and removing.

Use the **Alligator Stick** to install and remove single sheave or double blocks in the top of gin poles and to install circuit breakers, line hooks and strain breakers on live lines. With the alligator stick, you can remove arm slings on cross arms, and hook blocks in arm slings and come-alongs when changing dead ends.

Cat. No.	Description	Handle Length	Weight lbs. (kgs)
----------	-------------	---------------	---------------------

MECHANICAL HAND STICK, Fiberglass handle diameter: 1-1/4" (3.2 cm)

1FGQ	Quick Change	6'6" (1.98m)	4 (1.81)
1FGU	Universal	6'6" (1.98m)	4 (1.81)
101FGQ	Quick Change	8' (2.43 m)	5 (2.27)
101FGU	Universal	8' (2.43 m)	5 (2.27)

Head Only

1CQ	Mechanical Hand w/ Quick Change		1 (0.45)
1CU	Mechanical Hand w/ Universal		1 (0.45)

Cat. No.	Description	Handle Length	Weight lbs. (kgs)
----------	-------------	---------------	---------------------

WIRE CLAMP STICK

2FGQ	Quick Change	6'6" (1.98m)	6 (2.72)
2FGU	Universal	6'6" (1.98m)	6 (2.72)
201FGQ	Quick Change	8' (2.43 m)	9 (4.08)
201FGU	Universal	8' (2.43 m)	9 (4.08)
201CFGQ	Top Hook and Quick Change	8' (2.43 m)	9 (4.08)

Head Only

2CQ	Wire with Quick Change		3 (1.36)
2CU	Wire with Universal		3 (1.36)

Cat. No.	Description	Handle Length	Weight lbs. (kgs)
----------	-------------	---------------	---------------------

ALLIGATOR STICK, Fiberglass handle diameter: 1-1/4" (3.2 cm)

4FGQ	Quick Change	6'6" (1.98m)	4 (1.81)
4FGU	Universal	6'6" (1.98m)	4 (1.81)
408FGQ	Quick Change	8' (2.43 m)	7 (3.18)
408FGU	Universal	8' (2.43 m)	7 (3.18)

Head Only

4DQ	Alligator with Quick Change		1 (0.45)
4DU	Alligator with Universal		1 (0.45)



SPECIALTY HOT SWITCH STICKS

The **Pigtail Stick** is designed to lift and guide live lines, and maintains clearances while working on poles. The pigtail stick is used to change pin type insulators and ridge pin insulators when the conductor is light enough for one person to lift. Units come standard with 7/8" (2.2 cm) hook; also available with 1-1/2" (3.8 cm) and 2" (5.1 cm) hooks. Other lengths available. Bag not included. Fiberglass handle diameter: 1-1/2" (3.8 cm).

The **Stranded Wire Holding Stick** has two 1" (2.5 cm) diameter fiberglass handles, holds conductors or wires during operations. The 121 Series has 3/4" (1.9 cm) wide jaws that open to 9/16" (1.4 cm), and the 122 Series, has 2" (5.1 cm) wide jaws that open to 1-1/2" (3.8 cm). Other lengths available. Bag not included.

The **Cable Handler** has a 1-1/4" (3.2 cm) fiberglass handle. Used to handle, lift, or move energized cables. Other lengths available.

Cat. No.	Description	Handle Length	Weight lbs. (kgs)
----------	-------------	---------------	-------------------

PIGTAIL STICK

5FGQ	Quick Change	6'6" (1.98m)	6 (2.72)
5FGU	Universal	6'6" (1.98m)	6 (2.72)
501FGQ	Quick Change	8' (2.43 m)	7 (3.18)
501FGU	Universal	8' (2.43 m)	7 (3.18)

Head Only

5C2Q	Pigtail w/ Quick Change	7/8" (2.2cm)	1 (0.45)
5C2U	Pigtail w/ Universal	7/8" (2.2cm)	1 (0.45)
5C3Q	Pigtail w/ Quick Change	1 1/2" (3.8cm)	1 (0.45)
5C3U	Pigtail w/ Universal	1 1/2" (3.8cm)	1 (0.45)
5C4Q	Pigtail w/ Quick Change	2" (5.1cm)	1 (0.45)
5C4U	Pigtail w/ Universal	2" (5.1cm)	1 (0.45)

Cat. No.	Description	Handle Length	Weight lbs. (kgs)
----------	-------------	---------------	-------------------

STRANDED WIRE HOLDING STICK

121FGQ	Quick Change	6'6" (1.98m)	6 (2.72)
1211FGQ	Quick Change	8' (2.43 m)	6 (2.72)
1226FGQ	Quick Change	6'6" (1.98 m)	8 (3.63)
1228FGQ	Quick Change	8' (2.43 m)	8 (3.63)

Head Only

121CQ	Stranded Wire w/ Quick Change		2 (0.91)
122CQ	Stranded Wire w/ Quick Change		2 (0.91)

Cat. No.	Description	Length	Weight lbs. (kgs)
----------	-------------	--------	-------------------

CABLE HANDLER

50206	Handle and head	6'6" (1.98m)	3 (1.36)
50208	Handle and head	8' (2.44 m)	4 (1.81)
5020H	Head only		1 (0.45)



SECTIONALIZER KIT & INSULATING LINK STICKS

The **Sectionalizer Kit** temporarily disconnects and isolates a section of line without interrupting service to the balance of the circuit. The entire operation of installation and removal of the sectionalizers can be performed with live line tools. Particularly useful when circuits are interrupted as a result of conductor, insulation or pole failures. Service can be restored by cutting in sectionalizers to isolate the section of line that is in trouble.

Consists of 1-3/4" foam-filled fiberglass connected to a manually operated take-up device. The strain of the line is taken by means of the take-up device using the hook (Cat. No. 1370H), which fastens on the end of the socket wrench (Cat. No. 596FG or equal). The conductor is then cut and cleared.

Cat. No.	Description	Weight lbs. (kgs)
----------	-------------	------------------------

SECTIONALIZER KIT

1370SL	Set includes: 3 of 1370A, 1 of 1370H, 1 of 1370FB	100 (45.3)
--------	---	--------------

PARTS

1370A	One Sectionalizer Only, 25 kV, 36" (0.91 m)	12 (0.91)
1370H	Hook with 1/2" Drive	1 (0.45)
1370HR	Hold Down Hook with Ring	1 (0.45)
1370V	Wire Holder, 9/16" (1.43 cm) max. size wire	2 (0.91)
1370FB	Box w/ Inserts 44" x 12" x 16" (112 x 31 x 41 cm)	60 (27.22)

The **Insulating Link Sticks** are designed to isolate rope, hoists, and blocks being used between energized conductors and a pulling device. Also provide dielectric properties if strap hoist becomes contaminated through field use. Cat. Nos. 2512, 2518, and 2524 are made with solid fiberglass. All insulating link sticks are proof tested and marked with WLL prior to shipment. Other lengths and configurations available. All bags hold 3 link sticks. Bags not included.

Fiberglass used meets the requirements of ASTM F711.

Cat. No.	Overall Length in. (cm)	Length Between Ferrules in. (cm)	Fiberglass Diameter in. (cm)	WLL lbs. (kgs)	Weight lbs. (kgs)	Cat. No.	Weight lbs. (kgs)
----------	------------------------------	--	--------------------------------------	---------------------	------------------------	----------	------------------------

INSULATING LINK STICKS

50012EH	22 (55.9)	12 (30.5)	1 (2.5)	2,500 (1,134)	3 (1.36)	B522 Bag	1 (0.45)
50012EP	22 (55.9)	12 (30.5)	1 (2.5)	2,500 (1,134)	3 (1.36)	B522 Bag	1 (0.45)
5012EH	22 (55.9)	12 (30.5)	1 1/4 (3.2)	2,500 (1,134)	2 (0.91)	B522 Bag	1 (0.45)
5012	22 (55.9)	12 (30.5)	1 1/4 (3.2)	1,500 (682)	2 (0.91)	B522 Bag	1 (0.45)
5012R	22 (55.9)	12 (30.5)	1 1/4 (3.2)	1,500 (682)	2 (0.91)	B522 Bag	1 (0.45)
5112	24 (61.0)	12 (30.5)	1 1/2 (3.8)	2,500 (1,134)	2 (0.91)	B522 Bag	1 (0.45)
2512	28 (71.1)	12 (30.5)	1 (2.5)	10,000 (4,536)	2 (0.91)	B522 Bag	1 (0.45)



FERRULES & ACCESSORIES

Universal and 5/8"-11 threaded hex ferrules are available for 1" (2.5 cm), 1-1/4" (3.2 cm), and 1-1/2" (3.8 cm) diameter fiberglass handles. Ferrules include a disc and rivet.

Kits include all material required to replace insulated stick ferrules. Please specify size. Each kit includes: one ferrule, one rivet, one disc for handle, sandpaper, a two-part adhesive and instructions.

Use the **Silicote Cloth** to wipe dust and dirt from fiberglass insulating handles. Cloth is specially treated with Silicone which leaves a thin coating on the insulating handles. Grease, insulation marks, and other foreign matter should be cleaned from handles with fiberglass handle cleaner before using the silicote cloth. Regular use of the silicote cloth will add to the life and safety of insulating handles. Packaged with directions in resealable, plastic bag.

Handle Cleaner is formulated to clean and condition fiberglass handles. Removes moisture and other contaminants such as dirt, tar, and grease without harming finish and leaves a thin water-repellent coating.



Cat. No.	Description	Size	Weight oz (g)
HEXAGONAL FERRULES			
44DFG	5/8"-11 - Zinc	1" (2.5 cm)	4 (124)
4EFG	5/8"-11 - Zinc	1 1/4" (3.2 cm)	5 (156)
4EFGM	Insulated Hex Ferrule w/ Brass Threaded Insert 5/8"-11	1 1/4" (3.2 cm)	5 (156)
5EFG	5/8"-11 - Zinc	1 1/2" (3.8 cm)	12 (373)

Cat. No.	Description	Size	Weight oz (g)
UNIVERSAL FERRULES			
44UFG	Aluminum with Thumb Screw	1" (2.5 cm)	4 (124)
3400	Aluminum with Thumb Screw	1 1/4" (3.2 cm)	5 (156)
5EFGU	Zinc/Bronze with Thumb Screw	1 1/2" (3.8 cm)	1 lbs. (450 g)

Cat. No.	Description	Size	Weight oz (g)
RIVETS			
RH1881375	For 1" Ferrules	3/16" x 13/8" (5 x 34 mm)	1 (31)
RH1881625	For 1-1/4" Ferrules	3/16" x 15/8" (5 x 41 mm)	1 (31)
RH1882000	For 1-1/2" Ferrules	3/16" x 2" (5 x 51 mm)	2 (62)

Cat. No.	Handle Diameter	Weight oz (g)
----------	-----------------	---------------

Cat. No.	Handle Diameter	Weight oz (g)
HEXAGONAL FERRULE KITS		
44EK001	1" (2.5 cm)	4 (124)
4EK001	1 1/4" (3.2 cm)	4 (124)
5EK001	1 1/2" (3.8 cm)	4 (124)

Cat. No.	Handle Diameter	Weight oz (g)
UNIVERSAL FERRULE KITS		
44UK001	1" (2.5 cm)	4 (124)
4UK001	1 1/4" (3.2 cm)	4 (124)
5UK001	1 1/2" (3.8 cm)	4 (124)

Cat. No.	Description	Weight oz (g)
CAPS		
C100	1" (2.5 cm) Cap	
C125	1 1/4" (3.2 cm) Cap	
C150	1-1/2" (3.8 cm) Cap	

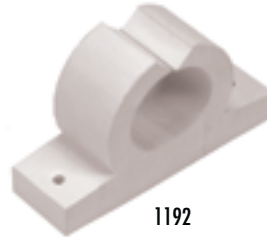
Cat. No.	Description	Weight oz (g)
HANDLE CLEANERS		
2000SC	Silicote Cloth	4 (124)
2001	Towelette	1 (31)
2002	1-Gal Bottle	9 lbs. (4 kgs)
2003	16 fl oz Spray Bottle	19 (.53)

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)



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.	Length 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)

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



4155



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

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)
C4007	I.D. 4" (102) 7' (2.13m)	19 (8.62)
C4009	I.D. 4" (102) 9' (2.75m)	22 (9.98)
C4011	I.D. 4" (102) 11' (3.35m)	26 (11.79)
C4013	I.D. 4" (102) 13' (3.96m)	29 (13.15)
C4017	I.D. 4" (102) 17' (5.18m)	36 (16.33)
C4020	I.D. 4" (102) 20' (6.08m)	40 (18.15)

CONTAINER KITS

C4000	Kit w/o Lock I.D. 4" (102)	6 (2.72)
C4000L	Kit w/ Lock I.D. 4" (102)	9 (4.08)

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. Handle meets the requirements of ASTM F711.

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, 3’6” 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.



WARNING: Discharge sticks are not grounding tools as described by OSHA 1910.269 and carry no fault duty rating.



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 OAL 3'8" (1.08m) length		8	(3.6)
22629	Static Discharge Stick w/ Universal Attachment 1' (0.3m) length		.38	(0.17)

STATIC DISCHARGE STICKS

A **Discharge Hook** is used to drain capacitive voltage. The probe is first used to make contact, then the hook can be used to make direct contact bypassing the fuse. The fuse gives added protection in case initial contact is accidentally made on energized equipment. Fuse is rated at 8 kV maximum, 6 amperes continuous.

A **Discharge Hook** is a special discharging device used to de-energize capacitors and other voltage retaining components before maintenance work is performed. Mounting clip (Cat. No. 1925MC) is included. Standard handle length is 2 feet (0.61 m). Other cable and handle lengths are available.

Resistive Discharge Hooks/Probes with resistors help eliminate initial surge current. Second hook bypasses resistors for residual discharge. Resistive discharge hooks and probes use #6 flexible copper, clear-jacketed cable, a hand guard, hook or probe, and a 1" (2.5 cm) diameter fiberglass insulating handle. The handle complies with ASTM F-711. All come with a clear PVC cover to protect resistors from damage from bumps and knocks. Not all resistors fit all hooks. Please note resistor's outside diameter and length. Mounting clip (Cat. No. 1925MC) is included. Other lengths and configurations are available.



1930535415Q

FOR DISCHARGE ONLY. DO NOT USE AS LIVE LINE TOOL OR GROUNDING DEVICE.

Cat. No.	Description	Weight ea.	
		lbs. (kgs)	
FUSED DISCHARGE HOOK			
1930535415Q	Fused Discharge Hook	10 (4.53)	
DISCHARGE HOOK			
	Ground Lead Length		
1925	5' (1.52 m)	2 (0.91)	
19257	7' (2.13 m)	2.5 (1.13)	
19258	8' (2.44 m)	3 (1.36)	
192510	10' (3.05 m)	4.5 (2.04)	
192520	20' (6.10 m)	5 (2.27)	
RESISTIVE DISCHARGE HOOK/PROBES			
	Handle Length	Ground Lead Length	
19250005	23" (0.58 m)	5' (1.52 m)	2 (0.91)
192500655	7' (2.13 m)	10' (3.05 m)	4.5 (2.04)
19250007	5' (1.52 m)	7' (2.13 m)	4 (1.81)
ACCESSORIES			
1925SSMC	Mounting Clip, Stainless Steel	3 oz (84 g)	
1925MC	Mounting Clip	3 oz (84 g)	
1925DMC	Mounting Clip with Hardware	4 oz (112 g)	

TOOLS

Tool Heads are used in live line applications. This equipment should be mounted on suitable handles to ensure proper distance from live conductors. Below are the choices of end fittings available. All tools have one of these three fittings.



QUICK CHANGE END FITTING

Has a 5/8"-11 threaded stud that threads into the top of a hexagonal ferrule. A hexagonal collar slides down and over the hexagonal ferrule making a strong, positive connection. A plastic safety clip is used to lock the quick change end fitting to an insulating handle.



UNIVERSAL END FITTING

Gives the user the option to position and secure an universal tool head at several angles. It also allows meters to be attached to universal handles. Universal fittings can be installed on universal sticks by using the 2500 shotgun adapter.



GRIP ALL or EYE SCREW END FITTING

For use with the clamp stick. The hook from the clamp stick is hooked through the eye hole of the eye screw, then drawn into the clamp stick and secured.



Safety Clip for Quick Change

Locks a quick change tool head to handle.
320E .1 oz (3 g)



Convertible Adapter

3401Q Changes QC to U 1 lbs. (0.45 kgs)
3401TS Thumb Screw Only 1 lbs. (0.45 kgs)



Convertible Adapter

2500 Shotgun Adaptor .4 lbs (.2 kgs)



Convertible Adapter

5/8" - 11 Internal Thread
3403 Changes QC to U 3 oz (93 g)



Convertible Adapter

3402Q Changes QC to GA 8 oz (224 g)



Convertible Adapter

3402U Changes GA to U 6 oz (168 g)

TOOLS



Cotter Key Installer
3500 1 lbs. (0.45 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



Cotter Key Remover
11 Remover 12 oz (0.38 kgs)
1101 Spring Loaded Remover 12 oz (0.38 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



Switch Disconnect w/ Hammer Head
1900U .19 lbs. (.08 kgs)



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



Screwdriver
13 Screwdriver 8 oz (0.23 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



Hammer
165 1 lbs. (0.45 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



GA Adapter w/ Square Drive & Spring-Loaded Socket
3402L5934 1/2" (1.3 cm) Square Drive
3/4" (1.9 cm) Socket
2 lbs (0.91 kgs)



Locating Drift
Use where aligning or hardware fitting is difficult.
8A 2 lbs. (.91 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



Wrench Attachment
9 2 lbs. (0.91 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



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



Toggle & Spring
The 1/2" (1.3 cm) square drive converts handles into a socket stick.
5900 2 lbs. (0.91 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



Handle Splice Joint & Spring
Splices two handles together creating a flexible handle.
3302 2 lbs (0.91 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



Quick Change Handle Splice Joint
3301 2 lbs (0.91 kgs)



Bayonet Ferrule
Installs/removes ground heads with bayonet studs.
98B 1 lbs. (0.45 kgs)
Add suffix "U" for Universal, "Q" for Quick Change

TOOLS



Hanging Hook
Attaches to all fiberglass handles.
190HC 3 oz. (.84 kgs)



Clamp Stick Head
9834 Clamp Stick Head 1.4 lbs (.6 kgs)



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



Adjustable Insulator Fork
8300 2 lbs. (0.91 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



Insulator Fork
Used in handling ball and socket insulators.
8301 2 lbs. (0.91 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



Inspection Mirror
9900 5" (12.7 cm) dia. 8 oz. (224 g)
Add suffix "U" for Universal, "Q" for Quick Change



Pin Holder for Clevis-Type Insulators
2900 1 lbs. (0.45 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



Line Hose Applicator
2" x 18" (5.1 x 45.7 cm) jaws
1680 4 lbs (1.81 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



Extension Offset Switch Hook
Safely removes fuses from outdoor disconnects.
190001 Steel 1 lbs. (0.45 kgs)
190002 Aluminum/Bronze 1 lbs. (0.45 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



Dead End Automatic Sleeve Applicator
Dia. 1/4" to 1 1/2" (6.4 to 38 mm)
16 2 lbs. (0.91 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



Wire Grip
Grips conductor, has hole for block or line hook.
WWL for grip is 1,000 lbs (454 kgs) at a 4:1 ratio.
3600 Opening min.5/16" max.7/8" 2 lbs (0.91 kgs)
(7.9mm, 2.2cm)
3601 Opening min.1/2" max.1-1/2" 3 lbs. (1.36 kgs)
(1.3cm, 3.8cm)
Add suffix "U" for Universal, "Q" for Quick Change

TOOLS



Pig Tail

5C2 7/8" (2.2cm) opening 1 lbs. (.45 kgs)
 5C3 1-1/2" (3.8cm) opening 2 lbs. (.91 kgs)
 5C4 2" (5.1cm) opening 2 lbs. (.91 kgs)
 Add suffix "U" for Universal, "Q" for Quick Change



Tree / Wire Hook

4236 .36 lbs. (.2kgs)



Pig Tail Disconnect

9878 .4 lbs (.2 kgs)



Switch Hook

190 8 oz. (0.25 kgs)
 Add suffix "U" for Universal, "Q" for Quick Change



Light Duty Cutout Prong

9971 .4 lbs (.2 kgs)



Heavy Duty Disconnect Head

9969 .6 lbs (.3 kgs)



Prong Disconnect

9970 .4 lbs (.2 kgs)



Rotary Prong Tie Head

4099 .6 lbs (.27 kgs)



Chuck Blank

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



Alligator

4D Alligator 1 lbs. (0.45 kgs)
 Add suffix "U" for Universal, "Q" for Quick Change



Pointed Disconnect

9839 .4 lbs (.2 kgs)



Double Prong Tie Head

4101 .5 lbs (.22 kgs)



Mechanical Hand

1C 1 lbs. (0.45 kgs)
 Add suffix "U" for Universal, "Q" for Quick Change

TOOLS



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 (10) 3 lbs (1.4 kgs)



152 "V" Brush 1.5 lbs. (0.68 kgs)
Add suffix "Q" for Quick Change, "GA" for Grip All
152B Replacement Brush 3 ozs. (0.09 kgs)



1521 Semi-Tube Brush 1.5 lbs. (0.68 kgs)
Add suffix "U" for Universal, "Q" for Quick Change,
"GA" for Grip All
1521B Replacement Brush 12 ozs. (0.37 kgs)

pic coming



1521003 Semi-Tube Side Brush 1.5 lbs. (0.68 kgs)
Add suffix "U" for Universal, "Q" for Quick Change,
"GA" for Grip All



1520010GAH Brush w/ Handle & Cover 1 lbs. (0.45 kgs)



4103 Handle for Pruning Saw .5 lbs (.22 kgs)



7991 Pruning Saw w/ 14" (35.6 cm) 1 lbs. (0.45 kgs)
7991WS Saw Sheath .5 lbs. (0.22 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



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



Mounted on 12" (30.6cm) fiberglass pole
4105 Tree Pruner - Universal 25' (7.62m) of line 4 lbs. (1.81 kgs)

7992FGQ Tree Pruner - Quick Change 12' (3.06m) of line 4 lbs. (1.81 kgs)



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



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



12 Stripping Knife 1 lbs. (0.45 kgs)
12S Sheath 4 oz. (0.12 kgs)
Add suffix "U" for Universal, "Q" for Quick Change,
"GA" for Grip All



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



Wire Gauges
860002 Aluminum Fits:#4 to 397.5 1 lbs. (0.45 kgs)
860004 ACSR/Aluminum Fits:#4 to .556 1 lbs. (0.45 kgs)
860005 Copper Fits:#8 to 4/0 1 lbs. (0.45 kgs)
Add suffix "U" for Universal, "Q" for Quick Change

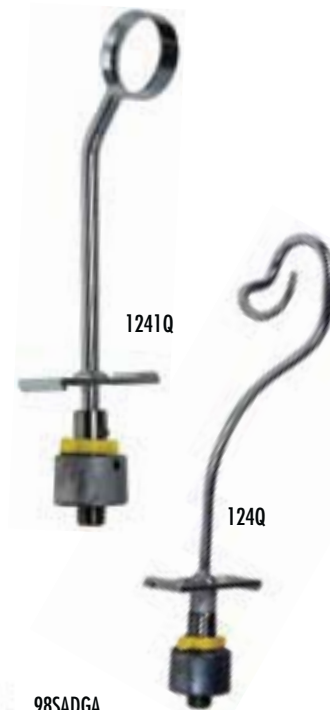


Test Point Cap Seal Cleaner
1520006 1lbs. (0.45 kgs)
Add suffix "U" for Universal, "Q" for Quick Change,
"GA" for Grip All

ARMOR ROD TOOLS, JUMPER HEADS & PENTA SOCKETS

Cat. No.	Description	Weight lbs. (kgs)
ARMOR ROD TOOLS		
124	Armor Rod Applicators	2 (0.91)
1241	Formed Wire Tools	2 (0.91)

Add suffix "Q" for quick change, "U" for universal, "HDQ" for heavy duty w/ quick change, "HDU" for heavy duty w/ universal.

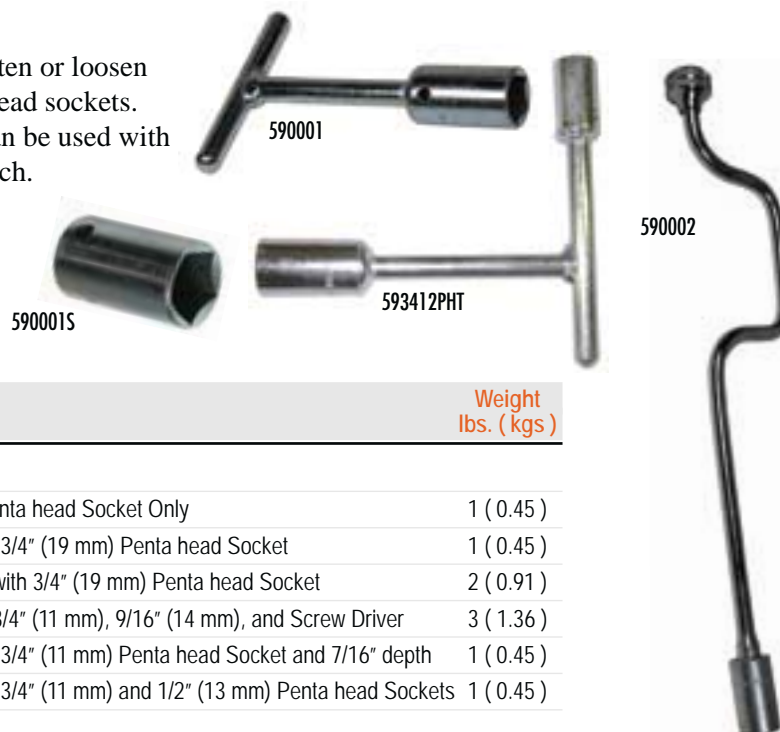


The **Jumper Heads** have a maximum opening of 19/16" (4.0 cm) and are designed with built-in universal joints in order to accommodate installation lines at an angle. The jumper heads have a quick action tightening screw for fast closing. Threaded adapters are used to accept 5/8-11 threaded non-shrouded ferrules. A hose clamp is included for connection strain relief.



Cat. No.	Description	Max. Opening	Continuous Duty	Weight lbs. (kgs)
JUMPER HEADS WITH THREADED ADAPTERS				
98SADGA	Grip All Wide Jaw	1-9/16"	600 amps	3 (1.36)

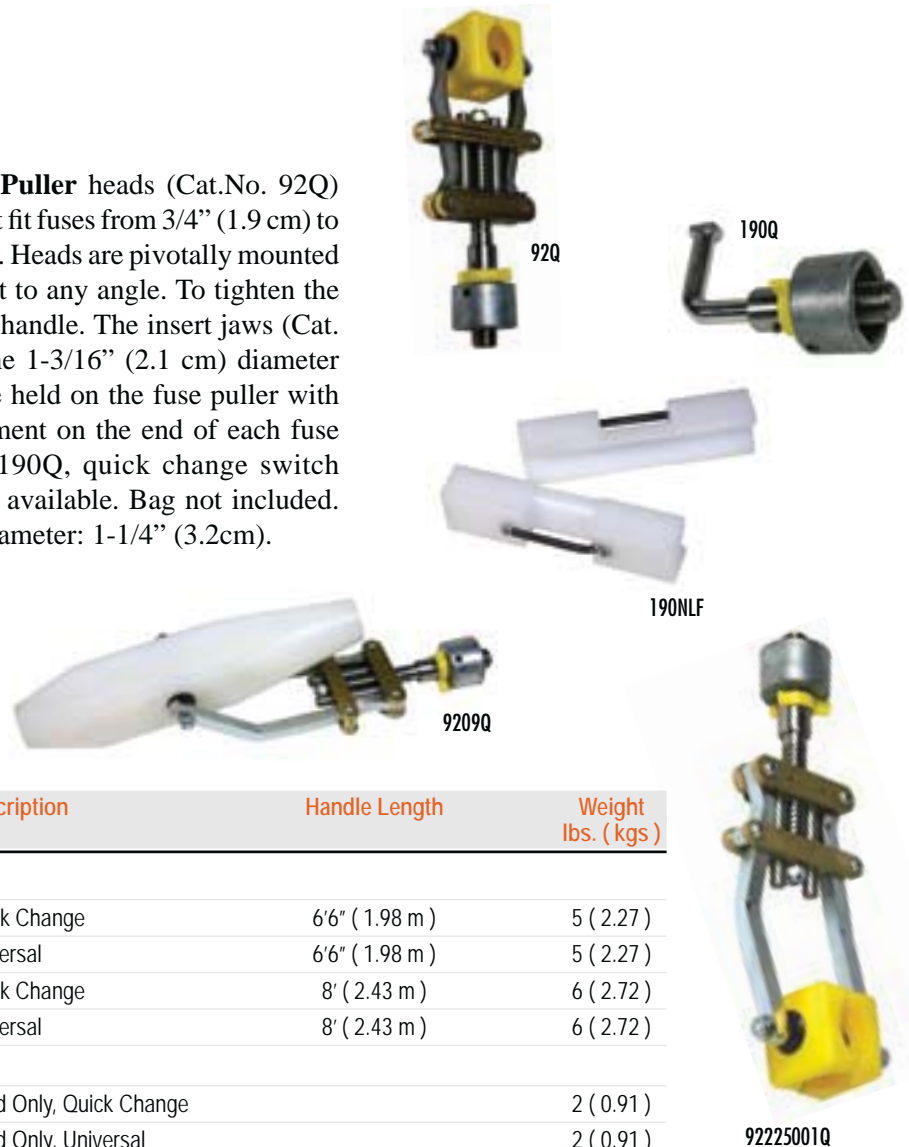
Use the **Penta Socket** to tighten or loosen special 3/4" (19 mm) penta head sockets. Comes with a "T" handle. Can be used with any 1/2" (13 mm) drive wrench.



Cat. No.	Description	Weight lbs. (kgs)
PENTA SOCKET		
590001S	3/4" (19 mm) Penta head Socket Only	1 (0.45)
590001	"T" Wrench with 3/4" (19 mm) Penta head Socket	1 (0.45)
590002	Speed Wrench with 3/4" (19 mm) Penta head Socket	2 (0.91)
59P34916SD	Penta Wrench, 3/4" (11 mm), 9/16" (14 mm), and Screw Driver	3 (1.36)
5900017/16T	"T" Wrench with 3/4" (11 mm) Penta head Socket and 7/16" depth	1 (0.45)
593412PHT	"T" Wrench with 3/4" (11 mm) and 1/2" (13 mm) Penta head Sockets	1 (0.45)

FUSE PULLER TOOLS

The standard **Fuse Puller** heads (Cat.No. 92Q) have plastic jaws that fit fuses from 3/4" (1.9 cm) to 2" (5.1 cm) diameter. Heads are pivotally mounted to permit adjustment to any angle. To tighten the jaws, just rotate the handle. The insert jaws (Cat. No. 190NLF) for the 1-3/16" (2.1 cm) diameter liquid filled fuse are held on the fuse puller with springs. The attachment on the end of each fuse puller is Cat. No. 190Q, quick change switch hook. Other lengths available. Bag not included. Fiberglass handle diameter: 1-1/4" (3.2cm).



Cat. No.	Description	Handle Length	Weight lbs. (kgs)
FUSE PULLER TOOL			
196FGQ	Quick Change	6'6" (1.98 m)	5 (2.27)
196FGU	Universal	6'6" (1.98 m)	5 (2.27)
198FGQ	Quick Change	8' (2.43 m)	6 (2.72)
198FGU	Universal	8' (2.43 m)	6 (2.72)
Parts			
92Q	Head Only, Quick Change		2 (0.91)
92U	Head Only, Universal		2 (0.91)
190Q	Switch Hook, Quick Change		1 (0.45)
190NLF	Insert Jaws for 13/16" (2.1 cm) diameter S & C Liquid Fuse		1 (0.45)

Cat. No.	Description	Maximum Diameter	Weight lbs. (kgs)
FUSE PULLER HEADS			
9209Q	Liquid Fuse, Quick Change	13/16" (2.1 cm)	3 (1.36)
9209U	Liquid Fuse, Universal, Head Only	13/16" (2.1 cm)	3 (1.36)
9209GA	Liquid Fuse, Grip All	13/16" (2.1 cm)	3 (1.36)
92225001Q	Quick Change	2 1/4" (5.7 cm)	3 (1.36)
92225001U	Universal	2 1/4" (5.7 cm)	3 (1.36)
92225001GA	Grip All	2 1/4" (5.7 cm)	3 (1.36)

CONNECTOR TOOL HEADS & PARALLEL GROOVE CLAMP

The **Parallel Groove Clamp Tool** accommodates cap-screw type parallel groove clamps (one, two, and three bolt types). The parallel groove tool head clamps can be installed from almost any angle by use of the universal ball clamp. The handles are fiberglass, with the operating handle having a diameter of 1" (2.5 cm) and the stationary handle 1-1/4" (3.2 cm). Bag not included. Other lengths available.



The **Vise Type Connector Tool** installs and removes all sizes of single bolt vise type connectors on energized lines. With this tool it is possible to install connectors on a line as efficiently as when done by hand. The handles are fiberglass. The operating handle is 1" (2.5 cm) in diameter and the stationary handle is 1-1/4" (3.2 cm) in diameter. Bag not included. Other lengths available.



Order operating sticks separate.

Cat. No.	Description	Weight lbs. (kgs)
PARALLEL GROOVE CLAMP TOOL HEAD		
1800CQ	Quick Change Head	3 (1.96)
1800CU	Universal Head	3 (1.96)
1800CQS	Quick Change Head with Top Hook	3 (1.96)
PARALLEL GROOVE CLAMP TOOL SOCKET		
1800SS	9/16" (1.4 cm)	1 (0.45)
1800SM	3/4" (1.9 cm)	1 (0.45)
1800SL	15/16" (2.4 cm)	1 (0.45)
CONNECTOR TOOL VISE TYPE HEAD		
72CQ	Quick Change Head Only	3 (1.96)
72CU	Universal Head Only	3 (1.96)
CONNECTOR TOOL VISE TYPE		
72S3/8	3/8" (0.95 cm)	2 oz. (45 g)
72S9/16	9/16" (1.4 cm)	2 oz. (45 g)
72S3/4	3/4" (1.9 cm)	2 oz. (45 g)

HAND TOOLS

All **Insulated Adjustable Wrenches** have a spring to prevent the jaws from accidentally moving while in use. These wrenches have a 12" (30.5 cm) wrench head and are supplied with a 1-1/4" (3.2 cm) diameter fiberglass handle.

Insulated Ratchet Wrench comes with a 1-1/2" (3.2 cm) fiberglass handle. Standard 1/2" (1.3 cm) square drive.

The **Insulated Ratchet Wrench for Clamp Top** has an 1-1/4" (3.2 cm) diameter fiberglass handle with eye on end for use with a clamp top tool (Cat. Nos. 44CQ or 44CU).

The **Toggle Handle** is used to convert any double threaded ferrule stick to a toggle handle for torquing requirements.



Cat. No.	Handle Length	Weight lbs. (kgs)
INSULATED ADJUSTABLE WRENCH		
1160	12" (30.5 cm)	1 (0.45)
1161	18" (45.7 cm)	2 (0.91)
1162	24" (61.0 cm)	3 (1.36)
INSULATED RATCHET WRENCH		
4412	12" (30.5 cm)	2 (0.91)
4418	18" (45.7 cm)	3 (1.36)
4436	36" (91.5 cm)	4.5 (2.0)
INSULATED RATCHET WRENCH FOR CLAMP TOP		
44CFG	8" (20.3 cm)	2 (0.91)
TOGGLE HANDLE		
1258HEQ	Quick Change - 8" (20.3 cm)	1 (0.45)

CUTTERS

Live Line Lever Cutters are compound shear cutter made from a heat-treated alloy steel. The stationary handle is 1-1/2" (3.8 cm) in diameter and the operating handle is 1" (2.5 cm) in diameter. For cutting tie wires, jumper taps and conductors up to 2/0. Larger wires should be cut with ACSR lever cutters. Bags available. NOT FOR USE ON ACSR.

The **All Aluminum & Soft Copper Cutter** cutting head is adapted to fiberglass handles for live line work on underground and overhead conductors. For use on aluminum up to 750 kcmil and copper to 500 kcmil. Bags available. NOT FOR USE ON ACSR OR STEEL.

ACSR Cutters with Permanent Heads cut ACSR up to 396 kcmil. The cutting head is permanently attached. Bags available.

The **Soft Cable Cutter with Removable Head** is lightweight, rugged, and strong. The two-handed cutter head gives clean, shearing cuts. Bags available. NOT FOR USE ON ACSR OR STEEL.

3008FG



Cat. No.	Description	Weight lbs. (kgs)
----------	-------------	------------------------

LIVE LINE LEVER CUTTERS

3004FG	4' (1.22 m)	11 (4.99)
3006FG	6' (1.83 m)	11 (4.99)
3008FG	8' (2.44 m)	11 (4.99)

ALL ALUMINUM & SOFT COPPER CUTTERS

670	24" (61.0 cm)	5 (2.27)
671	30" (76.2 cm)	6 (2.72)
672	36" (91.4 cm)	7 (3.18)

ACSR CUTTERS WITH PERMANENT HEADS

67124ACFG	24" (61.0 cm) 28" (71.1 cm)	5 (2.27)
67130ACFG	30" (76.2 cm) 34" (86.4 cm)	5 (2.27)
67136ACFG	36" (91.4 cm) 40" (102.0 cm)	6 (2.72)

Cat. No.	Maximum Cable Size			Handle Length	Weight lbs. (kgs)
	Copper Power	Aluminum Power	Communication		

SOFT CABLE CUTTER WITH REMOVABLE HEAD

670001	500 kcmil	750 kcmil 1	3/8" (3.5 cm)	24" (61.0 cm)	5 (2.27)
6700011	750 kcmil	1200 kcmil	1 3/4" (4.5 cm)	24" (61.0 cm)	6 (2.72)
671001	500 kcmil	750 kcmil	1 3/8" (3.5 cm)	30" (76.2 cm)	5 (2.27)
6710011	750 kcmil	1200 kcmil	1 3/4" (4.5 cm)	30" (76.2 cm)	7 (3.18)

TRANSFORMER GIN ASSEMBLY & TOOL FRAME

Transformer Gin Assemblies are designed to lift transformers, cross arms and other items used in pole construction. Assembly consists of a pole with ferrules, top fitting, center fitting, base fitting and protective bag for the pole. Has a balanced or *unbalanced safe working load limit of 2,500 lbs. (1,134 kgs), at a minimum of 18" apart. The working load limit (WLL) is the total load on the gin assembly including load to be lifted, pull on fall line and friction. Rope and block assembly not included.



WARNING: TAGGING LOADS WORKING LOAD LIMIT SUBJECT GIN TO SIDE LOADING THAT WILL REDUCE WLL.

The **Tool Frame** is a convenient place to hang tools when they are not in use, has swivel eye allowing the frame to rotate.

The **Rope-Snubbing Bracket** attaches to the pole and provides a safe place to tie lines or hook blocks when handling loads.



112



100TR



8200S



8200

Cat. No.	Description	Weight lbs. (kgs)	WLL
TRANSFORMER GIN ASSEMBLY			
112	Transformer Gin Assembly	89 (40.36)	2,500 LBS
TRANSFORMER GIN ASSEMBLY			
100T	Tool Frame	1 (0.45)	
100TR	Tool Frame with Rope and Snap	2 (0.91)	
ROPE-SNUBBING BRACKET			
8200	Pole Type Bracket with Rings, Chain Length: 51" (1.30 m)	10 (4.55)	
8200S	Pole Type Bracket without Rings Chain Length: 51" (1.30 m)	10 (4.55)	

CROSS ARM GIN & TRANSFORMER GIN ASSEMBLIES

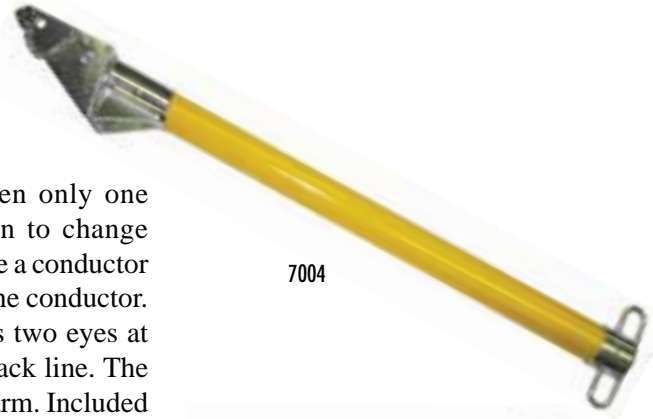
Cross Arm Gins are used on cross arms when only one conductor needs to be raised. Use the arm gin to change insulators; apply an armor rod to a conductor; raise a conductor from a lower position to the cross arm, or lower the conductor. The 2-1/2" (6.4 cm) diameter fiberglass pole has two eyes at the top in which to hook the block line and tie back line. The base fits a 4-3/4" x 5-7/8" (12.1 x 14.9 cm) cross arm. Included shims are needed for smaller arms.

The **Transformer Gin Assembly** is made from steel. Can be installed on the pole by one lineman with the single alloy chain. The assembly can also be installed over a cross arm. Blocks can be installed in the eye or from the shackle provided. Rope guides for the fall line are located on both sides of the gin assembly. The gin assembly has a safe working load limit of 2,000 lbs. (907 kgs). The safe working load limit is the total load on the gin assembly including load to be lifted, pull on fall line and friction.

WARNING: TAGGING LOADS WILL SUBJECT GIN TO SIDE LOADING THAT WILL REDUCE THE WLL.

The **Heavy Duty Transformer Gin Assembly** designed for easy installation on the pole with a 5/16" high test chain and tightening handle. The gin can also be installed over a cross arm. The assembly has a safe working load limit of 5,000 lbs. (2,268 kgs). The safe working load limit is the total load on the gin assembly including load to be lifted, pull on fall line and friction.

WARNING: TAGGING LOADS WILL SUBJECT GIN TO SIDE LOADING THAT WILL REDUCE THE WLL.



7004



133



1200SL

Cat. No.	Length	Weight lbs. (kgs)	WLL lbs.
CROSS ARM GIN			
7003	3' (0.91 m)	12 (5.44)	600 (272)
7004	4' (1.22 m)	12 (5.44)	600 (272)
7005	5' (1.52 m)	13 (5.90)	600 (272)
TRANSFORMER GIN ASSEMBLY			
133		25 (11.34)	2,000
HEAVY DUTY TRANSFORMER GIN ASSEMBLY			
1200SL		39 (17.73)	5,000

GROUND ROD DRIVERS & FRAMING JACK

Ground Rod Drivers are 60" (1.52 m) long and drives 5/8" (1.6 cm) ground rods deep by concentrating impact directly to the rod.

Light-weight and easy-to-use. Drives 1/2" (1.3 cm) ground rods with less effort than conventional methods. Discs surrounding the handle protect hands from walls, shrubbery, and the sliding parts. Measures 26" (66 cm) long with a 14" (35.6 cm) stroke.

Adapters for 5/8" (1.6 cm) and 3/4" (1.9 cm) ground rods are available.

The **Framing Jack** is designed to lift the largest poles with ease and safety. The framing jack slips under a pole lying flat on the ground and raises it without danger of it toppling over. Measures 15" (38.1 cm) long. WLL at 2:1 - 3,000 lbs. (1357 kgs)

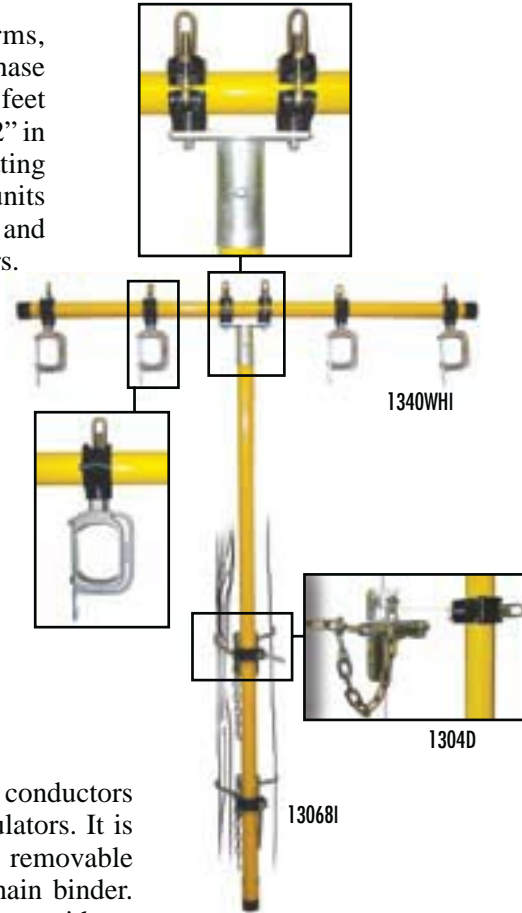


Cat. No.	Description	Length	Weight lbs. (kgs)
GROUND ROD DRIVERS			
1350	Ground Rod Driver	60" (1.52 m)	45 (20.40)
1350001	Ground Rod Driver	26" (0.66 m)	15 (6.80)
ADAPTERS			
1350058A	For 5/8" (1.6 cm) Ground Rods		1/2 (0.21)
1350034A	For 3/4" (1.9 cm) Ground Rods		1/2 (0.21)
FRAMING JACK			
640001	Framing Jack with Ratchet Wrench		58 (26.38)
6400B	Ratchet Wrench Only		1 (0.45)

TEMPORARY SIDE ARMS & TRANSFER ARMS

The **Temporary Transfer Arm** is used to change crossarms, insulators, or poles on short spans up to and including 15 kV phase to phase. The mast (Cat. No. 1306M) is 2-1/2" in diameter by 6 feet (1.82 m) long. The horizontal arm (Cat. No. 1340WHF8) is 2-1/2" in diameter by 8 feet (2.44 m) long. The arm has a balanced load rating of 600 lbs. (272 kgs); unbalanced at 150 lbs. (68 kgs). These units are mounted to the pole using chain binders (Cat. No. 1304D) and are rated for 15 kV without insulators and 35 kV with insulators.

Cat. No.	Weight lbs. (kgs)	Cat. No.	Weight lbs. (kgs)
TEMPORARY TRANSFER ARMS		WIRE HANGER	
<u>With Insulators</u>		<u>With Insulators</u>	
13068I	65 (29.48)	1300WHI	4 (1.81)
<u>Without Insulators</u>		<u>Without Insulators</u>	
13068	65 (29.48)	1300WH	3 (1.36)
<u>Insulators</u>			
1309GIB	1 (0.45)		



The **Temporary Side Arm - Pole Mounted** holds energized conductors during replacement of poles and repair or replacement of insulators. It is made of 2-1/2" (6.3 cm) diameter foam-filled fiberglass with removable and adjustable wire holders. Each arm has a strap hoist or chain binder. Specify length of arm and number of wire holders needed. Side arms without insulators are rated for 15 kV; with insulators, 35 kV. Eight foot side arm includes arm support. WLL: 4 FT (1.22 M) - 300 LBS. (136 Kgs)

Cat. No.	Number of Wire Holders	Arm Length	Weight lbs. (kgs)	Cat. No.	Weight lbs. (kgs)
TEMPORARY SIDE ARM - POLE MOUNTED			WIRE HANGER		
<u>Nylon Strap Binder with Insulators</u>			<u>With Insulators</u>		
156024NI	2	4' (1.22 m)	17 (7.71)	1309DI	3 (1.36)
<u>Nylon Strap Binder without Insulators</u>			<u>Without Insulators</u>		
156024N	2	4' (1.22 m)	16 (7.26)	1309D	2.5 (1.13)



The 6 foot (1.83 m) side-mounted **Temporary Side Arm - Cross Arm Mounted** has 2 wire holders and is used as a temporary conductor holder while replacing or repairing existing conductors or insulators. Made from 2 1/2" diameter foam-filled fiberglass. Both wire holders are adjustable and removable. Units without insulators are rated for 15 kV and 35 kV with insulators. WLL: 300 LBS. (136 KGS) OR 150 LBS. (68 KGS) PER WIRE HOLDER.

Cat. No.	For Cross Arm Size	Weight lbs. (kgs)
TEMPORARY SIDE ARM - CROSS ARM MOUNTED		
<u>With Insulators</u>		
154466I	4 1/4" x 63/4" (10.3 x 17.1 cm)	23 (10.43)
15466I	6" x 6" (15.2 x 15.2 cm)	23 (10.43)
<u>Without Insulators</u>		
154466	4 1/4" x 63/4" (10.3 x 17.1 cm)	20 (9.07)
154666	6" x 6" (15.2 x 15.2 cm)	20 (9.07)

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

