

Distributor :

KIKK *Safety*

PT KIKK LESTARI

Jalan Permata Raya Lot C-1B (Pom Bensin)
Kawasan Industri KIIC, Teluk Jambe Timur
Kabupaten Karawang 41361

Telp : (0267)-8456746

Email : sales@kiksafety.com



NAGAKI

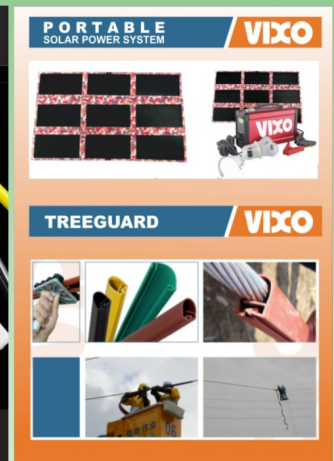
TANIZAWA
SAFETY PRODUCTS

IZUMI

HASTINGS
A WORLDWIDE SUPPLIER OF
Hot Line Tools & Equipment

VIXO

CATALOG PRODUK PERALATAN PDKB-TM



**“Zero Accident”
Safety...Safety Yes !**



INSULATING GLOVES and INSULATING BOOTS JAPAREX LINE

■ HIGH VOLTAGE RUBBER INSULATING GLOVES



ITEM NO.	SIZE	A.C. PROOF TEST VOLTAGE	A.C. MAXIMUM USE VOLTAGE	LENGTH
YS-101-32-04	LL	30kV/3min	26.5kV	460mm
YS-101-32-03	L			
YS-101-32-02	M			
YS-101-31-04	LL	20kV/3min	17kV	460mm
YS-101-31-03	L			
YS-101-31-02	M			
YS-101-90-04	LL			380mm
YS-101-90-03	L			
YS-101-90-02	M			
YS-101-20-01	LL	20kV/1min	7kV	460mm
YS-101-21-01	L			
YS-101-22-01	M			
YS-101-20-03	LL			380mm
YS-101-21-03	L			
YS-101-22-03	M			

The RUBBER INSULATING GLOVES are used for protection of electrical workers from electrical shock. The RUBBER INSULATING GLOVES are most important personal protective equipment. We take carefully quality control to ensure using safety condition.

■ LOW VOLTAGE RUBBER INSULATING GLOVES



ITEM NO.	SIZE	A.C. PROOF TEST VOLTAGE	A.C. MAXIMUM USE VOLTAGE	LENGTH
YS-102-04-00	LL	3kV/1min	600V	280mm
YS-102-01-00	L			270mm
YS-102-02-00	M			270mm
YS-102-13-04	LL	5kV/3min	1kV	280mm
YS-102-13-03	L			270mm
YS-102-13-02	M			270mm

■ HIGH VOLTAGE RUBBER INSULATING BOOTS



ITEM NO.	SIZE	A.C. PROOF TEST VOLTAGE	A.C. MAXIMUM USE VOLTAGE	ITEM NO.	SIZE	A.C. PROOF TEST VOLTAGE	A.C. MAXIMUM USE VOLTAGE	ITEM NO.	SIZE	A.C. PROOF TEST VOLTAGE	A.C. MAXIMUM USE VOLTAGE
YS-112-01-11	31.0	30kV/3min	26.5kV	YS-113-01-11	31.0	20kV/3min	17kV	YS-111-09-11	31.0	20kV/1min	7kV
YS-112-01-10	30.0			YS-113-01-10	30.0			YS-111-09-10	30.0		
YS-112-01-09	29.0			YS-113-01-09	29.0			YS-111-09-09	29.0		
YS-112-01-08	28.0			YS-113-01-08	28.0			YS-111-09-08	28.0		
YS-112-01-07	27.0			YS-113-01-07	27.0			YS-111-09-07	27.0		
YS-112-01-06	26.5			YS-113-01-06	26.5			YS-111-09-06	26.5		
YS-112-01-05	26.0			YS-113-01-05	26.0			YS-111-09-05	26.0		
YS-112-01-04	25.5			YS-113-01-04	25.5			YS-111-09-04	25.5		
YS-112-01-03	25.0			YS-113-01-03	25.0			YS-111-09-03	25.0		

The RUBBER INSULATING BOOTS are used for protection of electrical workers from electrical shock while working on a live electric wire operation. The RUBBER INSULATING BOOTS are very important personal protective equipments are very important personal electrical working. These are manufactured under very strict quality control. These are devised so as to put on easily and the reinforced rubber is used partly to strengthen the structure.



Leather Gloves JAPAREX LINE

Leather Protector



14" Leather Protector:

- Designed for use over Class 1 - 4 rubber insulating gloves per ASTM F696
- Will not drip, melt or ignite if exposed to sparks or flames
- Arc Rating: 32 cal/cm² according to ASTM F2675/F2675M-13
- Puncture Resistant: ANSI/ISEA Level 5
- Compliant: NFPA 70e-2018 Standard / OSHA 29 CFR Part 1926
- Ergonomic, 3D pattern fits perfectly over rubber insulating gloves
- Glove double stitched with specialty Coats® thread
- Cuff double stitched with Kevlar® fiber by DuPont™
- WARNING: Youngstown's Leather Protectors do NOT protect against shock or voltage.



Flame Resistant





INSULATING CLOTHES

JAPAREX LINE

■ HIGH VOLTAGE INSULATING SLEEVES



ITEM NO.	SIZE	A.C. PROOF TEST VOLTAGE	A.C. MAXIMUM USE VOLTAGE
YS-126-10-05	L	30kV/3min	26.5kV
YS-126-10-04	M		
YS-126-10-03	S		
YS-126-01-05	L	20kV/3min	17kV
YS-126-01-04	M		
YS-126-01-03	S		

■ HIGH VOLTAGE INSULATING JACKET



ITEM NO.	SIZE	A.C. PROOF TEST VOLTAGE	A.C. MAXIMUM USE VOLTAGE
YS-124-07-04	L	30kV/3min	26.5kV
YS-124-07-03	M		
YS-124-07-02	S		
YS-124-06-04	L	20kV/3min	17kV
YS-124-06-03	M		
YS-124-06-02	S		

■ HIGH VOLTAGE INSULATING TROUSERS



ITEM NO.	SIZE	A.C. PROOF TEST VOLTAGE	A.C. MAXIMUM USE VOLTAGE
YS128-01-07	L	30kV/3min	26.5kV
YS128-01-04	M		
YS128-01-03	S		
YS128-01-06	L	20kV/3min	17kV
YS127-01-04	M		
YS127-01-03	S		

The INSULATING JACKETS are used for protection of electrical workers from electric shock while working on a live electric line. These are structured by external sheets coated nylon cloth with Ethylene-Vinyl Acetate copolymers has high insulation property and internal E.V.A films, these have moderate mechanical strength and enough pliability.



INSULATING BLANKET

JAPAREX LINE

■ HIGH VOLTAGE INSULATING BLANKET



ITEM NO.	SIZE	A.C. PROOF TEST VOLTAGE	A.C. MAXIMUM USE VOLTAGE
YS-242-01-01	600x1000	30kV/3min	26.5kV
YS-242-01-02	680x800		
YS-242-01-03	680x1200		
YS-242-01-04	800x1000		
YS-242-01-05	900x1000		
YS-241-01-01	600x1000	20kV/3min	17kV
YS-241-01-02	680x800		
YS-241-01-03	680x1200		
YS-241-01-04	800x1000		
YS-241-01-05	900x1000		

■ BLANKET UTUH BERLUBANG



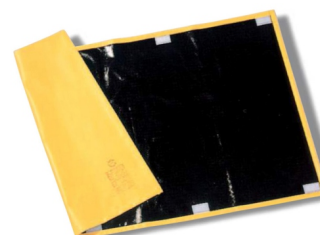
ITEM NO.	SIZE	A.C. PROOF TEST VOLTAGE	A.C. MAXIMUM USE VOLTAGE
YS-242-01-01	900x 900	30kV/3min	26.5kV

■ BLANKET BELAH BERLUBANG



ITEM NO.	SIZE	A.C. PROOF TEST VOLTAGE	A.C. MAXIMUM USE VOLTAGE
YS-242-01-01	900x 900	30kV/3min	26.5kV

■ LOW VOLTAGE INSULATING BLANKET



ITEM NO.	SIZE	A.C. PROOF TEST VOLTAGE	A.C. MAXIMUM USE VOLTAGE
YS-209-01-01	400x800	3kV/1min	600V
YS-209-01-02	500x1000		
YS-209-01-03	600x1000		

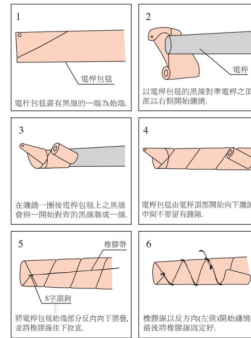
The INSULATING BLANKET are used as a portable protective device for protection of electrical workers from accidental contact with live electrical conductors, apparatus, or circuits. The INSULATING BLANKET which substitute for rubber insulating products, are very light and are easy to use compared with rubber insulating products.



PLASTIC INSULATING SHEET FOR POLE AND POLYETHYLENE CONDUCTOR COVER

JAPAREX LINE

■ PLASTIC INSULATING SHEET FOR POLE



ITEM NO.	SIZE	A.C. PROOF TEST VOLTAGE	A.C. MAXIMUM USE VOLTAGE	SPQ
YS-435-01-01	410mmx4.5m	20kV/3min	17kV	5 pcs
YS-435-02-02	410mmx8m	20kV/3min	17kV	3 pcs

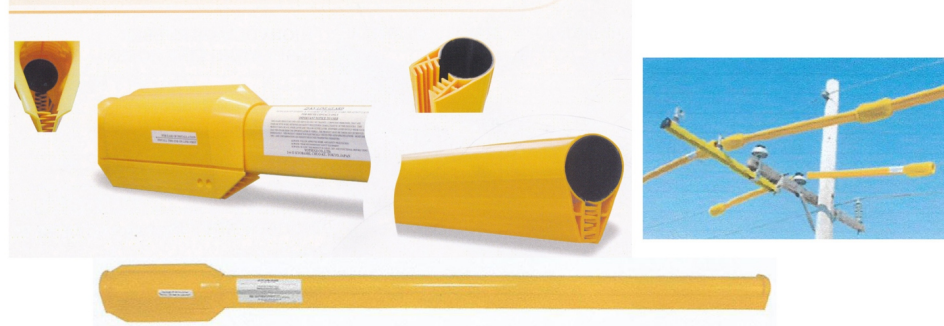
■ HIGH VOLTAGE POLYETHYLENE CONDUCTOR COVER



ITEM NO.	SIZE	A.C. PROOF TEST VOLTAGE	A.C. MAXIMUM USE VOLTAGE	SPQ	MOQ
YS-301-52-11	φ25x3m	20kV/3min	11.5kV	20 pcs	300 pcs
YS-301-62-11	φ35x3m	20kV/3min	11.5kV	20 pcs	300 pcs

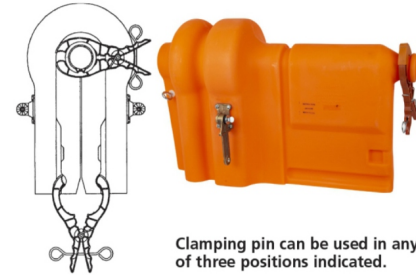
The POLYETHYLENE INSULATING TUBES are used for protection of wire and conductors. The tubes are put over the conductors temporarily or semi-permanently to avoid any possible damages, in electrical construction or maintenance work of overhead distribution lines. The tubes have superior electrical insulation property and excellent durability. As the section is designed in scroll, after putting over the electric wire. The tubes don't get out by vibration of a storm etc.

■ POLYETHYLENE INSULATING TUBES



Cover-Up Equipment JAPAREX LINE

Deadend Covers 26.4kV Covered-Phase-to-Covered-Phase



Description	Weight
Deadend Cover	5 lb. / 2.3 kg.

Features & Applications

- Tested to ASTM F712 Class 3
- Made of orange linear polyethylene
- Fits over maximum of two 10" dia. deadend insulators
- End of cover will mate with CHANCE 25kV conductor covers or rubber line hose to extend protected area
- Measures 34"L, 11" W and 12-1/2" from conductor to unit bottom
- Split unit fits easily over the conductor and insulators
- Split unit can be tightly clamped together using large hot stick clamp pin, which is similar to those used in securing rubber blankets
- A Grip-All adapter (included) allows unit to be installed with a clampstick
- Can also be placed into position with rubber gloves and sleeves

Conductor and Insulator Covers 26.4kV Covered-Phase-to-Covered-Phase (for 36.6kV Covered-Phase-to-Covered-Phase conductor covers, see page 2406)



with 4-foot Epoxiglas handle

Description	Weight
5' Conductor Cover with 4' Epoxiglas Handle	5 lb. / 2.3 kg.



with Grip-All Adapter, For double cross-arm applications.

Description	Weight
Insulator Cover — 6" with Grip-All Adapter	3 lb. / 1.4 kg.



without Grip-All Adapter, For double cross-arm applications.

Description	Weight
Insulator Cover — 6" without Grip-All Adapter	2 1/2 lb. / 1.1 kg.

without Grip-All Adapter For rubber glove application

Description	Weight
5' Conductor Cover without Adapter or Handle	3 lb. / 1.4 kg.



with Grip-All Adapter

Description	Weight
5' Conductor Cover with Grip-All Adapter	4 lb. / 1.8 kg.

Features & Applications

- Tested to ASTM F712 Class 3
- A versatile system of covering up a variety of configurations on distribution systems
- Conductor and insulator units mate together to cover pin-type or post-type insulator construction
- Can also be used with the deadend cover, shown on page 2402
- Units cover hot parts and hardware to give linemen protection from incidental brush contact when rubber gloving or using hot sticks
- Covers will couple with major brands of rubber line hose and insulator covers of 25kV Class
- Both covers are made of high-density, bright orange polyethylene
- Conductor covers are 5' long and are available with a Grip-All adapter for hot stick application or without adapter for rubber glove application
- Also available with 4' Epoxiglas® handles
- Maximum conductor size: 666 kcmil ACSR
- Insulator covers are 21" long and 8-1/2" wide
- Available in two heights: 6" and 9" from conductor to cover base to fit different size insulators
- For use with Grip-All adapter for hot stick application



POLYETHYLENE INSULATING TUBES AND OTHERS

JAPAREX LINE

■ HIGH VOLTAGE POLYETHYLENE INSULATING TUBES FOR JUMPER WIRE



ITEM NO.	SIZE	A.C.PROOF TEST VOLTAGE	A.C.MAXIMUM USE VOLTAGE	APPLICABLE
YS303-03-01	φ 32x10m	20KV / 1min	7000V	YELLOW
YS303-02-01	φ 32x5m	20KV / 1min	7000V	YELLOW
YS303-02-02	φ 32x5m	20KV / 1min	7000V	BLACK
YS303-01-02	φ 16x5m	20KV / 1min	7000V	BLACK

■ SWITCHBOARD MATTING



ITEM NO.	SIZE	A.C.PROOF TEST VOLTAGE	A.C.MAXIMUM USE VOLTAGE	APPLICABLE
YS231-01-01	3mm	20KV / 1min	7000V	BROWN(FLAT)
YS231-02-01	6mm	20KV / 1min	7000V	BROWN(FLAT)
YS231-02-04	6mm	20KV / 3min	17000V	GREEN(CORRUGATE)
YS231-03-02	10mm	20KV / 1min	7000V	BLACK(CORRUGATE)

■ PLASTIC SHEET CLIPS



ITEM NO.	SIZE	A.C.PROOF TEST VOLTAGE	A.C.MAXIMUM USE VOLTAGE
YS211-01-01	/	/	SHEET CLIPS TYPE-1
YS211-02-01	/	/	SHEET CLIPS TYPE-2
YS211-03-05	/	/	SHEET CLIPS TYPE-5



PUBBER INSULATING HOSES

JAPAREX LINE

■ HIGH VOLTAGE RUBBER INSULATING LINE HOSES



ITEM NO.	SIZE	A.C.PROOF TEST VOLTAGE	A.C.MAXIMUM USE VOLTAGE
YS201-01-02	φ 25x1200	20KV / 1min	7000V
YS201-02-01	φ 30x1200	20KV / 1min	7000V
YS201-12-01	φ 30x1200	20KV / 3min	17000V
YS201-11-02	φ 35x1200	20KV / 1min	7000V
YS201-11-03	φ 38x1200	20KV / 1min	7000V

The RUBBER INSULATING LINE HOSES are used as a portable protective device for protection of electrical workers from accidental contact with live electrical conductors, or circuit. As the section is designed in scroll, it is easy to install and to remove from electric wires.

■ HIGH VOLTAGE RUBBER INSULATING LINE HOSES FOR JUMPER WIRE



ITEM NO.	SIZE	A.C.PROOF TEST VOLTAGE	A.C.MAXIMUM USE VOLTAGE
YS201-06-03	φ 20x360	20KV / 1min	7000V
YS201-12-03	φ 20x360	20KV / 3min	17000V
YS201-05-02	φ 20x390	20KV / 1min	7000V
YS201-05-03	φ 30x390	20KV / 1min	7000V
YS201-06-01	φ 30x600	20KV / 1min	7000V
YS201-12-02	φ 30x600	20KV / 3min	17000V

The RUBBER INSULATING LINE HOSES FOR JUMPER WIRE are used as a portable protective device for protection of electrical workers from accidental contact with live electrical conductors, or circuit. As the section is designed in scroll, it is easy to install and to remove from electric wires.

Safety Standard

All of TANIZAWA's industrial safety helmets have passed the national examination of the Japanese Ministry of Health, Labor and Welfare standards. In addition, many models have acquired the JIS T 8131:2015 certification.(JIS standard certification is optional)
The Ministry of Health, Labor and Welfare Ministry of Japan and JIS T 8131: 2015 have the following categories.

Classes(symbols)	Classification by use	Function
	For protection against flying or dropping objects	Prevents or reduces the danger caused by flying or dropping objects.
	For protection in the events of tumbling and falling down	To be for protection in the events of tumbling and falling down.
	For protection against flying or dropping objects For protection in the events of tumbling and falling down	Prevents or reduces the danger caused by flying or dropping objects and for protection in the events of tumbling and falling down.
	For protection against flying or dropping objects For electrical insulation at high voltage (service voltage: 7,000V or under)	Prevents or reduces the danger caused by flying or dropping objects, and protects the head against electric shocks.
	For protection against flying or dropping objects For protection in the events of tumbling and falling down For electrical insulation at high voltage (service voltage: 7,000V or under)	Prevents or reduces the danger caused by flying or dropping objects and for protection in the events of tumbling and falling down, and protects the head against electric shocks.

- For protection against flying or dropping objects
This standard is a helmet standard commonly used around the world.
Details of commonly used standards (such as ANSI, EN, JIS) are almost the same.
- For protection in the events of tumbling and falling down
This standard is unique to Japan and corresponds to falls.
By equipping a shock absorbing liner, the safety of the helmet was improved without the need to enlarge the shell.
- For electrical insulation at high voltage
Voltage used is set by Japanese standards. This is different from the test voltage.
High voltage : Test voltage = 20,000V / 1min. Service voltage: 7,000V or under
Low voltage : Test voltage = 3,000V / 1min. Service voltage: 600V or under

Certification label

The Ministry of Health, Labour and Welfare
standard certification

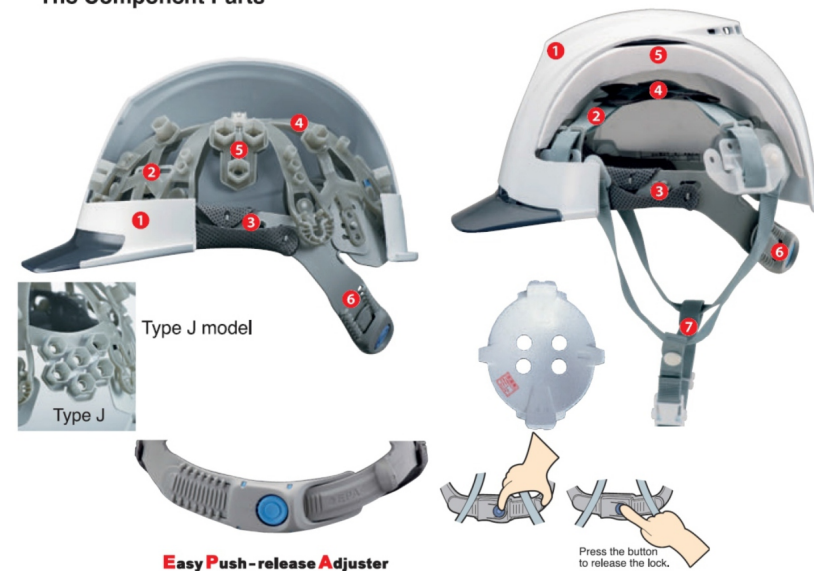
型式名称 / Model name	型式名称: 148-E3	帽体材質 / Shell Material = ABS
保護帽 / Safety helmet	労平 24.3 検	
Date of certification	(1) TH3199 (3) TF758	
Certification number	製造業者 / Manufacturer	Tanizawa Seisakusho, Ltd.
製造年月 / Date of manufacture	製造年月: H29.4	April 2017
Certification items	(1) 飛来落下物用 (3) 電気用7,000V以下	For protection against flying or dropping objects (1) 飛来落下物用 / flying or dropping objects (3) 電気用 7,000V 以下 / To be of electrical insulation (7000V or under in service voltage)
JIS Logo	JIS (産業用安全帽)	Industrial safety helmet
Certificate authority/ Japan Quality Assurance Organization (JQA)	JQA (電気用最大電圧: 7000V) 耐电压試験20000V 10mA以下	For electrical insulation at high voltage (Maximum voltage: 7,000V) To have passed withstanding voltage test (20000V and 10 mA or under)
certification number	JQA0306024	Manufacturer / Joban Tanizawa Seisakusho, Ltd.
JIS standard number	JIS T 8131	Manufacturing date / April 2017

Japanese Industrial Standards (JIS) certification

着用時の注意: ヘルムバンドはあなたの顔に良くフィットするように調整してください。着用後、ご組立は必ず正しく調整してください。
使用上の注意: 一度でも大きな衝撃を受けた安全帽は、外側に損傷がなくても使用しないでください。部品の交換、修理、部品の取替、安全帽に損傷を与えている部品を改造し、又は取り除かないこと。

Cautions at the time of wear: After putting on the helmet, the chin strap needs to be properly fastened and adjusted.
Precautions for use: Please do not use safety helmets which have been exposed to strong impacts, even if there are no visible damage on the helmets.
Caution regarding prohibition of modification or removal of parts: Please do not modify or remove parts that have been attached to the safety helmet from the beginning.

The Component Parts



1 Shell

The hard, smoothly finished material that provides the general outer form of helmet. It protects the head from direct impact and penetration from flying or falling objects. Holes inside the FRP shell fix the fittings (suspension) in place.

2 Fittings (Suspension)

The fittings (suspension) are composed of a hammock, a headband, a chin strap etc.

3 Headband

The headband is fixed to the fittings (suspension). It helps soften impacts and absorbs moisture. Ensures helmet is fitted to users head securely.

4 Hammock

The hammock is fixed to the shell in two ways: hook-type and tack-type. Made of impact absorbing material, it is able to reduce the force of impact on the user's head.

5 Impact absorption liner

Parts fitted to the inside of the shell.
The liner reduces the forces of impact from flying or falling objects. In the Type J model, the suspension is responsible for its function.

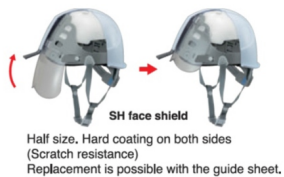
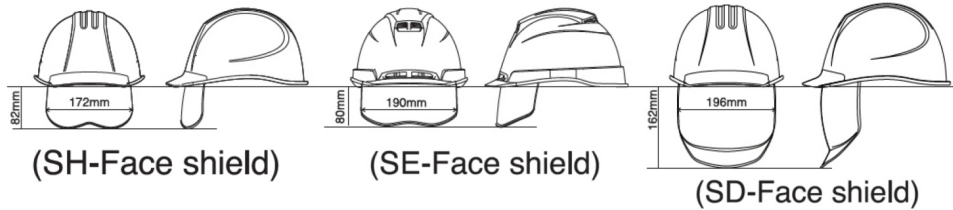
6 Easy push-release Adjuster (EPA)

EPA (Easy Push Adjuster) is a proprietary product of Tanizawa. The EPA enables the user to adjust the fit of the helmet with one push of a button while wearing the helmet.

7 Chin strap (4 point)

It secures the helmet to the user's head, and prevents it from falling off upon impact. It also ensures the helmet is fitted properly.

Built-in face shield model



Insulating Helmet

Transparent & flat peak



ST#169-JZV



Standard model made from ABS



ST#0169-EZ



MP style model made from PC Lightweight model



ST#180-FZK



MP style model made from ABS



ST#148-JZ



Standard model made from PC



ST#169-JZ



With ID card case



ST#169-ID



MP style model made from PC Excellent electrical resistance



ST#142-JZ



Made from PE. Excellent electrical resistance & chemical resistance



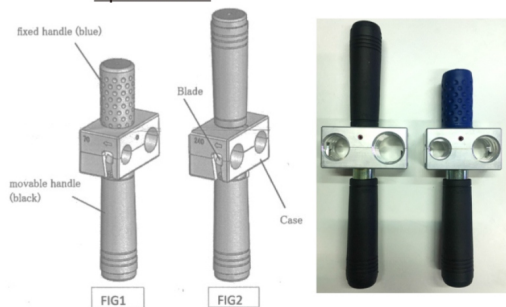
ST#147-JZ



NAGAKI Cable Peeler / Cable Stripper

Cable Peeler

Spesifikasi :



- Cara Kerja : Saat alat ini berputar, alat ini akan mengupas secara spiral.
- Ukuran : Dapat mengupas kabel listrik dengan 2 ukuran yang berbeda.

Ukuran	Kabel yang berlaku
70 X 150	Covered Aluminium Cable 70, 150mm ²
150 X 240	Covered Aluminium Cable 150, 240mm ²

Cable Peeler With Ring

Spesifikasi :



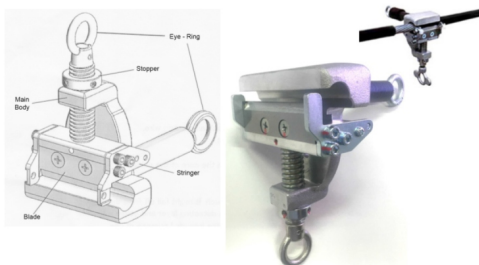
Untuk digunakan dengan Hot Sticks.
Tempatkan kepala tongkat diatas Ring
untuk memanipulasi pengupas

- Cara Kerja : Saat alat ini berputar, alat ini akan mengupas secara spiral.
- Ukuran : Dapat mengupas kabel listrik dengan 2 ukuran yang berbeda.

Ukuran	Kabel yang berlaku
70 X 150	Covered Aluminium Cable 70, 150mm ²
150 X 240	Covered Aluminium Cable 150, 240mm ²

Cable Stripper

Spesifikasi :



- Cara Kerja : Mengupas kawat listrik dengan satu kali putaran.
- Ukuran : Tersedia 3 Ukuran
Kabel listrik 150, 150L dan 70L

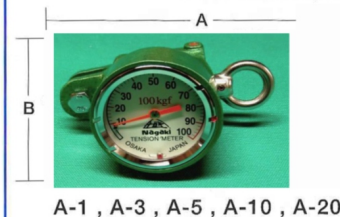
Model	Kabel yang berlaku	Panjang potongan
Cable Stripper 150	Covered Aluminium Cable 150mm ²	60mm
Cable Stripper 150L	Covered Aluminium Cable 150mm ²	90mm
Cable Stripper 70L	Covered Aluminium Cable 150mm ²	90mm

NAGAKI Tension Meter & Ratchet Wrench

Tension Meter

For measurement of tension and load

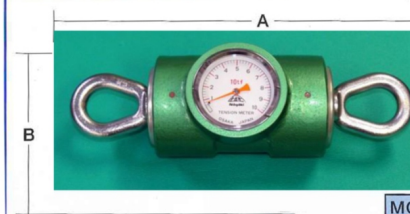
VERY SMALL, VERY LIGHT WEIGHT, VERY COMPACT
(Newton and Kg Unit)



(± 3% F.S.)

MODEL	CAPACITY	GRADUATION	A	B	C	WT.
A - 1	1KN(100kg)	20N(2kg)	130%	65%	20%	0.7kg
A - 3	3KN(300kg)	50N(5kg)	110%	65%	16%	0.7kg
A - 5	5KN(500kg)	100N(10kg)	110%	65%	16%	0.7kg
A - 10	10KN(1.0T)	200N(20kg)	135%	65%	16%	0.8kg
A - 20	20KN(2.0T)	500N(50kg)	135%	65%	16%	1.2kg

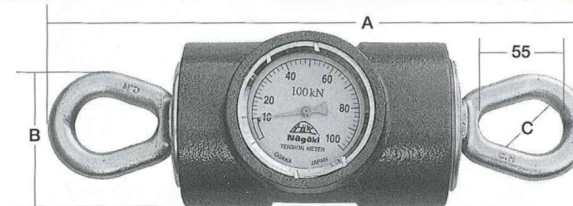
A-1, A-3, A-5, A-10, A-20



(± 3% F.S.)

MODEL	CAPACITY	GRADUATION	A	B	C	WT.
A-30	30KN(3.0T)	500N(50kg)	150%	80%	28%	2.0kg
A-50	50KN(5.0T)	1KN(100kg)	260%	95%	28%	3.0kg

A-30, A-50



NEW

(± 3% F.S.)

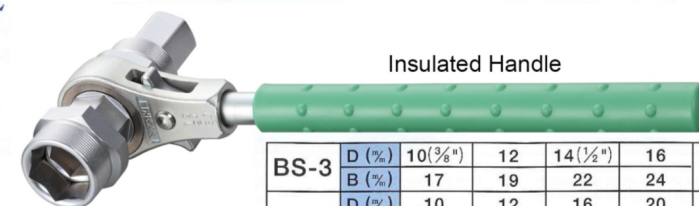
MODEL	CAPACITY	GRADUATION	A	B	C	WT.
A-100	100KN(10T)	2KN(200kg)	360%	100%	38%	7kg

A-100

RATCHET WRENCH

(FOUR DIFFERENT SIZE IN ONE)

MODEL
BS-3
BY-3

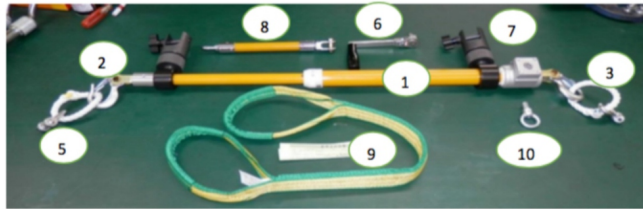


Insulated Handle

BS-3	D (%)	10(3/8")	12	14(1/2")	16	0.65kg
	B (%)	17	19	22	24	
BY-3	D (%)	10	12	16	20	0.9kg
	B (%)	17	19	24	30	

(BY-3)

NAGAKI Contact Stainer



Item	Components	Number
Strainer	Main body	①
	2 hooks	②
	2 ropes	③
	2 wire grips AL-MIDDLE-GRIP-LTB	④
	2 shackles	⑤
	1 handle	⑥
	2 cable guide L	⑦
FRP extension	1 FRP extension	⑧
Belt	1 belt	⑨
Cable guide S	2 cable guide S	⑦
Ring adaptor	1 ring adaptor	⑩

AL-MIDDLE-GRIP-LTB:	
Capacity	2000daN
Cable Range	5mm - 25mm
Cable Type	AL, ACSR, AAC..
Jaw Size	110mm
Weight	2.3kg

Spesifikasi :

- Penggunaan Utama Contact Strainer adalah untuk penggantian kabel rentang tengah.
- Digunakan untuk metode Sentuh Langsung.
- Use Voltage : 22 kV
- Test Voltage : 50kV/5min
- Load Rating : 1000 daN

Contoh Penggunaan :



NAGAKI Wire Grips

GRIPS FOR HOT LINE WORK

HOT-S-GRIP

For bare aluminum cable and bare copper cable

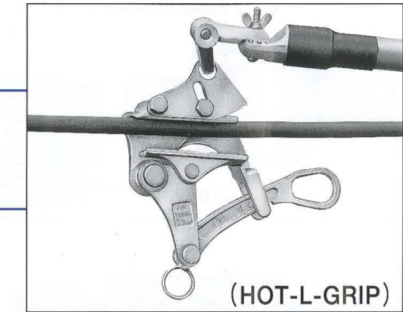
SAFE LOAD	MIN. CABLE DIA.	MAX. CABLE DIA.	WT.
20KN(2.0T)	5 %	16 %	1.6kg

HOT-M-GRIP

SAFE LOAD	MIN. CABLE DIA.	MAX. CABLE DIA.	WT.
20KN(2.0T)	5 %	25 %	2.0kg

HOT-L-GRIP

SAFE LOAD	MIN. CABLE DIA.	MAX. CABLE DIA.	WT.
20KN(2.0T)	16 %	32 %	2.0kg

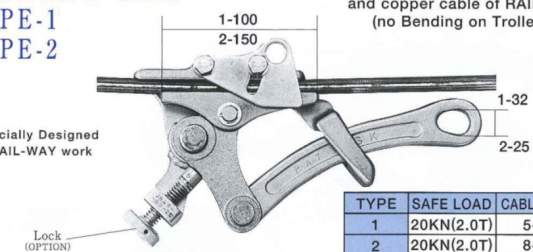


TROLLEY-GRIP

TYPE-1
TYPE-2

For trolley cable, messenger wire, wire rope and copper cable of RAIL-WAY (no Bending on Trolley)

Especially Designed for RAIL-WAY work

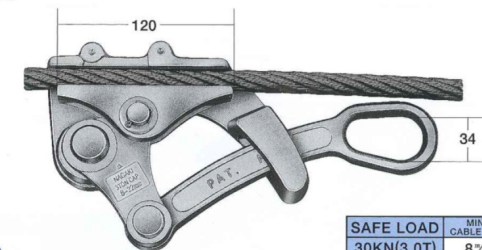


NEW

TYPE	SAFE LOAD	CABLE RANGE	JAW L.	WT.
1	20KN(2.0T)	5-16 %	100 %	1.5kg
2	20KN(2.0T)	8-20 %	150 %	2.8kg

3TON-GRIP

For wire rope, messenger wire, copper cable and trolley cable

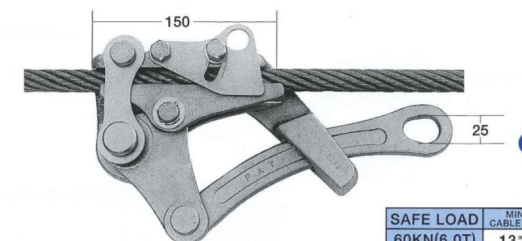


OPTION
(SAFETY LATCH)

SAFE LOAD	MIN. CABLE DIA.	MAX. CABLE DIA.	WT.
30KN(3.0T)	8 %	22 %	3kg

6TON-GRIP

For wire rope, messenger wire, copper cable and trolley cable



NEW

SAFE LOAD	MIN. CABLE DIA.	MAX. CABLE DIA.	WT.
60KN(6.0T)	13 %	28 %	5.2kg

NAGAKI Convertable Strap Hoist



Spesifikasi Strap Hoist :

- Dilengkapi link Pole 30cm disetiap sisi.
- Terdapat Wire Grip (2,0 Ton) di salah satu sisi.
- Pegangan Rotasinya = 360
- 3/4 ton single line dan 1-1/2 ton double line load rating.
- Standart : **Meets ANSI/ASME B30.21-2005 & B30.10-2009**

Cat. No.	Hot Rings	Single Line		Double Line		Weight
		Load Rating	Pulling Distance	Load Rating	Pulling Distance	
KN1500P-EX	no	1500 lbs. (680 kg)	20" - 138" (.51 - 3.5 m)	3000 lbs. (1360 kg)	26" - 79" (.66 - 2.0 m)	12.5 lbs.
KN1500P-EXH	yes	1500 lbs. (680 kg)	20" - 138" (.51 - 3.5 m)	3000 lbs. (1360 kg)	26" - 79" (.66 - 2.0 m)	13.6 lbs.

NAGAKI Nagaki Ratchet Puller

MODEL P-1500-C
(Convertible with 3 hooks)

(1.4m double × 2.8m Pull single wire)

Steel handle

Rotates full 360°

CAPACITY	WIRE DIA.	MIN. L.	MAX. L. (D/S)	LEVER L.	WT.
1.5KN×7.5KN	AIR5%	460%	1870/3280%	430%	4.1kg

MODEL P-2000

(1.4m Pull)

Steel handle

Rotates full 360°

CAPACITY	WIRE DIA.	MIN. L.	MAX. L.	LEVER L.	WT.
20KN(2.0T)	AIR5%	460%	1870%	430%	4.1kg

MODEL P-1500-EX

(3m double × 6m Pull single wire)

Steel handle

Rotates full 360°

CAPACITY	WIRE DIA.	MIN. L.	MAX. L. (D/S)	LEVER L.	WT.
1.5KN×7.5KN	AIR5%	500%	3500/6500%	430%	5kg

MODEL RICKY-2

(1.5m Pull)

Alloy link chain (Length available)

(Light Weight)

Steel handle

Rotates full 360°

CAPACITY	CHAIN DIA.	MIN. L.	MAX. L.	LEVER L.	WT.
7.5KN(3/4T)	5%	300%	1800%	230%	4kg

MODEL RICKY-3

(1.5m Pull)

Alloy link chain (Length available)

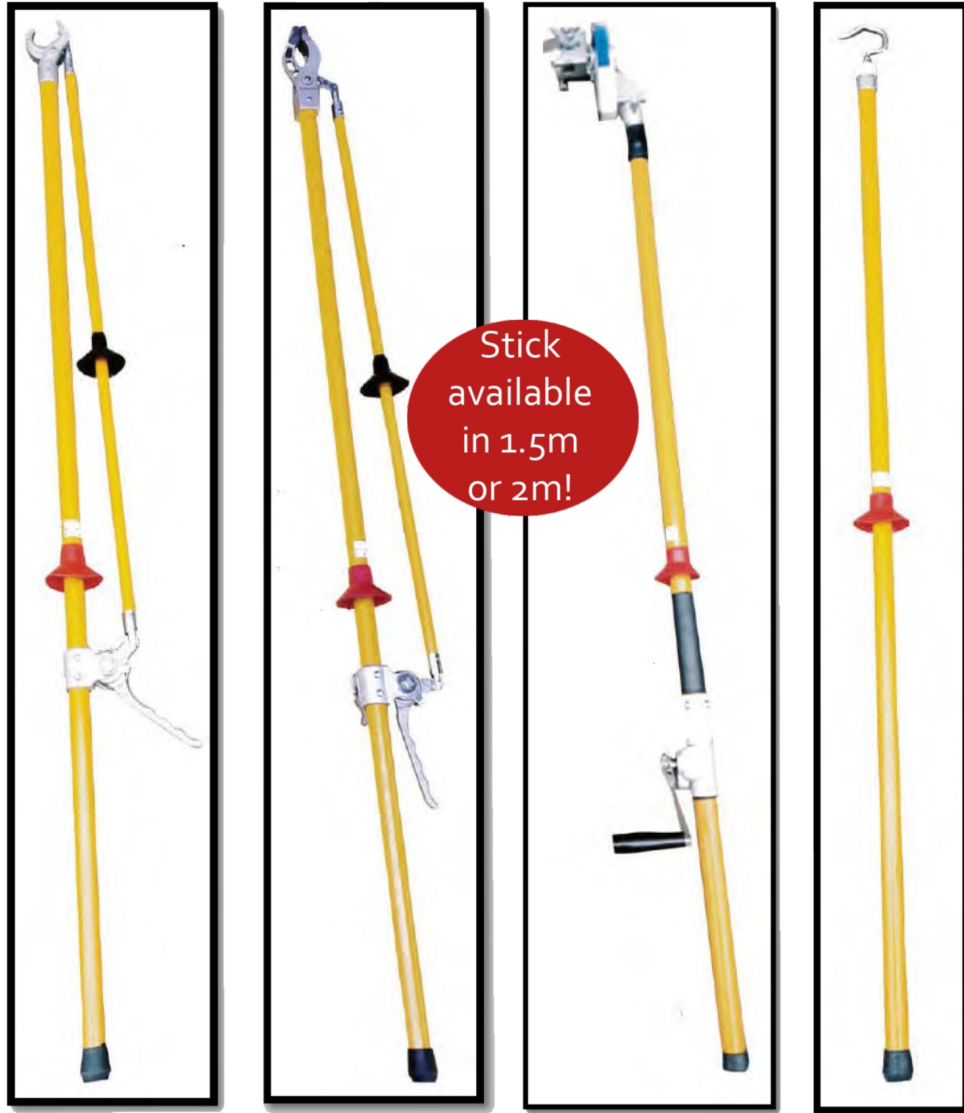
(Light Weight)

Steel handle

Rotates full 360°

CAPACITY	CHAIN DIA.	MIN. L.	MAX. L.	LEVER L.	WT.
15KN(1.5T)	5%	350%	1850%	230%	5kg

NAGAKI ● Hot Stick for Hot Line Work



Stick available in 1.5m or 2m!

NAGAKI ● Hot Stick for Hot Line Work



GRASP STICK

The main application of the grasp stick is to grip the cable when peeling it. It can also be used to grip other tools

Many adaptors can be placed on the top of the magic hand stick

MAGIC HAND STICK

Lock and Free position for a user-friendly use

The magic hand stick can be used for many application such as gripping a cable. It also comes with many adaptor such as scissors or clamp adaptors.





Hot Stick for Hot Line Work

Adaptor

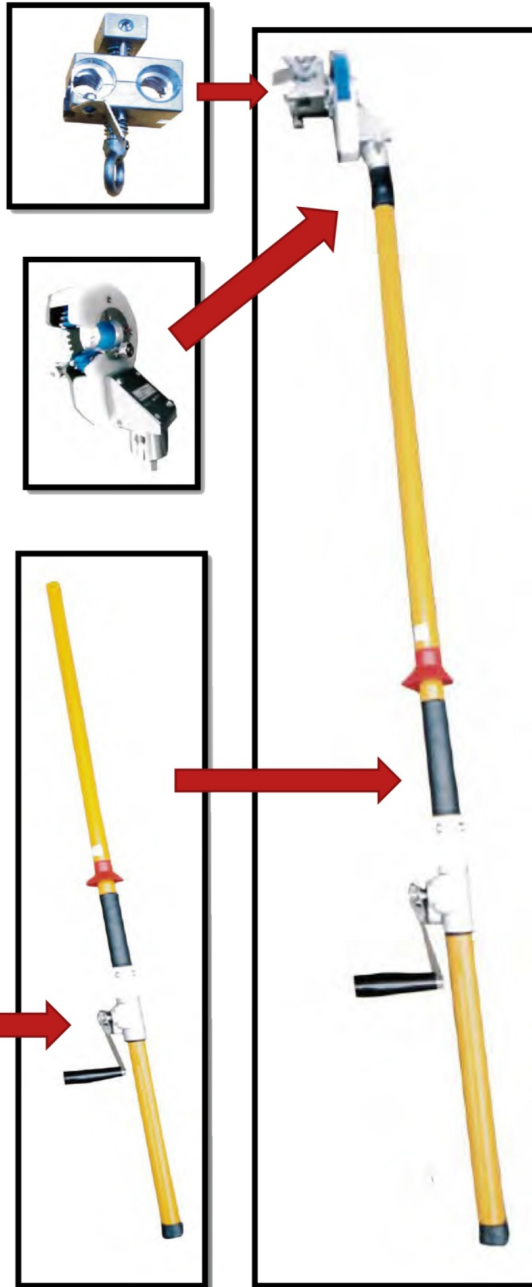
WE adapt the peeler to YOUR cable.

Rotor Tool

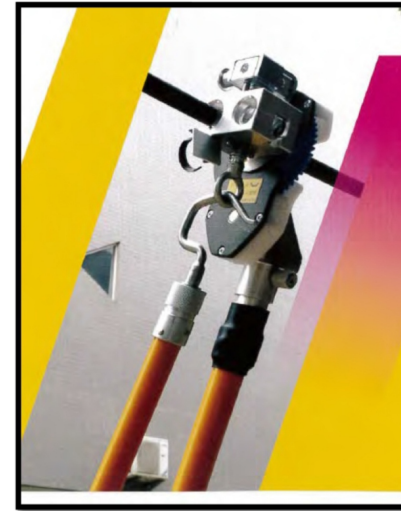
Light weight and easy to fix rotor tool.

Rotor Stick

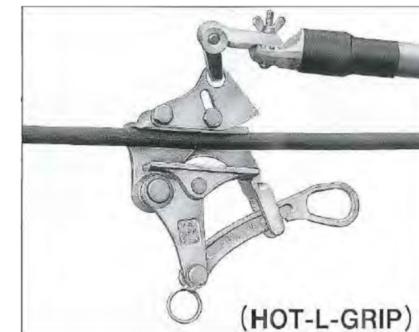
Use the handle or an electric driver for many applications!



Hot Stick for Hot Line Work



The main application for the hook stick is to fasten the adaptor on the cable right before peeling it. It can also be used with our HOT wire grips and HOT web strap puller.



(HOT-L-GRIP)

REC-651F



SPECIFICATION

• RAM STROKE	: 16 mm
• MOTOR	: 14.4 VDC
• RESERVOIR CAPACITY	: 78 cc
• FORCE AT DIE FACE	: 52 kN
• SIZE	: 255 (L) x 355 (H) x 79 (W) mm
• WEIGHT	: 2.9 kg (without battery)
• ACCESSORIES	: Shoulder strap, Double molded carrying case, Battery and Charger

REC-651F



SPECIFICATION

• MOTOR	: 14.4 VDC
• RESERVOIR CAPACITY	: 78 cc
• FORCE AT DIE FACE	: 70 kN
• SIZE	: 255 (L) x 364 (H) x 84.2 (W) mm
• WEIGHT	: 2.9 kg (without battery)
• ACCESSORIES	: Shoulder strap, Double molded carrying case, Battery and Charger

REC-651F



SPECIFICATION

• RAM STROKE	: 31 mm
• MOTOR	: 14.4 VDC
• RESERVOIR CAPACITY	: 153 cc
• FORCE AT DIE FACE	: 106 kN
• SIZE	: 284 (L) x 431 (H) x 84 (W) mm
• WEIGHT	: 6.2 kg (without battery)
• ACCESSORIES	: Shoulder strap, Double molded carrying case, Battery and Charger

REC-3410



SPECIFICATION

RAM STROKE	: 25 mm (Jaw Opening)
MOTOR	: 14.4 vdc
RESERVOIR CAPACITY	: 170 cc
FORCE AT DIE FACE	: 106 kN
SIZE	: 395 (L) x 275 (H) x 90 (W) mm
WEIGHT	: 7.5 kg (less battery)
ACCESSORIES	: Shoulder Strap, Carrying case, Battery and Charger

REC-3430A



SPECIFICATION

RAM STROKE	: 30 mm (Jaw Opening)
MOTOR	: 14.4 vdc
RESERVOIR CAPACITY	: 170 cc
FORCE AT DIE FACE	: 106 kN
SIZE	: 430 (L) x 273 (H) x 90 (W) mm
WEIGHT	: 8.0 kg (without battery)
ACCESSORIES	: Shoulder Strap, Carrying case, Battery and Charger

REC-6510



SPECIFICATION

• RAM STROKE	: 42 mm
• MOTOR	: 14.4 VDC
• RESERVOIR CAPACITY	: 153 cc
• FORCE AT DIE FACE	: 106 kN
• SIZE	: 453 (L) x 284 (H) x 84 (W) mm
• WEIGHT	: 6.6 kg (without battery)
• ACCESSORIES	: Shoulder strap, Double molded carrying case, Battery and Charger

REC-H6130



SPECIFICATION

• RAM STROKE	: 30 mm
• MOTOR	: 14.4 VDC
• RESERVOIR CAPACITY	: 153 cc
• FORCE AT DIE FACE	: 120 kN
• SIZE	: 423 (L) x 284 (H) x 80 (W) mm
• WEIGHT	: 5.1 kg (without battery)
• ACCESSORIES	: Shoulder strap, Double molded carrying case, Battery and Charger

REC-3510A



SPECIFICATION

RAM STROKE	: 42 mm (Jaw Opening)
MOTOR	: 14.4 vdc
RESERVOIR CAPACITY	: 170 cc
FORCE AT DIE FACE	: 106 kN
SIZE	: 454 (L) x 273 (H) x 90 (W) mm
WEIGHT	: 8.7 kg (without battery)
ACCESSORIES	: Shoulder Strap, Carrying case, Battery and Charger

REC-3610



SPECIFICATION

RAM STROKE	: 50 mm (Jaw Opening)
MOTOR	: 14.4 vdc
RESERVOIR CAPACITY	: 170 cc
FORCE AT DIE FACE	: 134 kN
SIZE	: 480 (L) x 275 (H) x 90 (W) mm
WEIGHT	: 10.0 kg (without battery)
ACCESSORIES	: Shoulder Strap, Carrying case, Battery and Charger

REC-S620



SPECIFICATION

RAM STROKE	: 24 mm
MOTOR	: 14.4 VDC
RESERVOIR CAPACITY	: 78 cc
FORCE AT DIE FACE	: 66 kN
SIZE	: 338 (L) x 252 (H) x 79 (W) mm
WEIGHT	: 3.4 kg (without battery)
ACCESSORIES	: Shoulder strap, Double molded carrying case, Battery and Charge

REC-S624



SPECIFICATION

RAM STROKE	: 26 mm
MOTOR	: 14.4 VDC
RESERVOIR CAPACITY	: 78 cc
FORCE AT DIE FACE	: 84 kN
SIZE	: 350 (L) x 260 (H) x 79 (W) mm
WEIGHT	: 4.3 kg (without battery)
ACCESSORIES	: Shoulder strap, Double molded carrying case, Battery and Charge

REC-S640



SPECIFICATION

RAM STROKE	: 44 mm
MOTOR	: 14.4 VDC
RESERVOIR CAPACITY	: 153 cc
FORCE AT DIE FACE	: 70 kN
SIZE	: 460 (L) x 272 (H) x 80 (W) mm
WEIGHT	: 6.0 kg (without battery)
ACCESSORIES	: Shoulder strap, Double molded carrying case, Battery and Charge

REC-630Y



SPECIFICATION

RAM STROKE	: 21 mm
MOTOR	: 14.4 VDC
RESERVOIR CAPACITY	: 78 cc
FORCE AT DIE FACE	: 60 kN
SIZE	: 403 (L) x 291 (H) x 80 (W) mm
WEIGHT	: 3.5 kg (without battery)
ACCESSORIES	: Shoulder strap, Double molded carrying case, Battery and Charge

REC-105YC



SPECIFICATION

MOTOR	: 14.4 VDC
OPENING JAW	: 105 mm
DIMENSION (LxHxW)	: 615x335x100 (mm)
WEIGHT	: 8.2 kg (Less battery)
BATTERY	: BP-80LI Li-ion Battery
CHARGER	: CH-100 multi-voltage
ACCESSORIES	: BP-80LI Li-ion Battery 14.4V 3.0Ah Steel Carrying Case, Handle Grip

REC-S3550G



SPECIFICATION

RAM STROKE	: 56mm
MOTOR	: 14.4 VDC
OUTPUT FORCE	: 120kN
DIMENSIONS (LxHxW)	: 490 x 275 x 90 (mm)
WEIGHT	: 9.9 kg (less battery)
BATTERY	: BP-80LI Li-ion Battery
CHARGER	: CH-100 Multi-voltage
ACCESSORIES	: BP-80LI Li-ion Battery CH-100 Li-ion Charger 220V-240V Steel Carrying case, Battery and Charger

REC-50M / LIC-50



SPECIFICATION

DRIVE UNIT	: 14.4 VDC Motor
MAXIMUM CUTTING DIAMETER	: Nonferrous 50 mm
SIZE	: 84 (L) x 365 (H) x 130 (W) mm
WEIGHT	: 2.1 kg (without battery)
ACCESSORIES	: Steel carrying case, Battery and charger

REC-54M / LIC54



SPECIFICATION

DRIVE UNIT	: 14.4 VDC Motor
SIZE	: 130 (L) x 335 (H) x 109 (W) mm
WEIGHT	: 2.6 kg (without battery)
ACCESSORIES	: Steel carrying case, Battery and charger

REC-54ACM / LIC-54AC



SPECIFICATION

DRIVE UNIT	: 14.4 VDC Motor
SIZE	: 130 (L) x 335 (H) x 109 (W) mm
WEIGHT	: 2.6 kg (without battery)
ACCESSORIES	: Steel carrying case, Battery and charger

REC-65M / LIC-65



SPECIFICATION

DRIVE UNIT	: 14.4 VDC Motor
SIZE	: 110 (L) x 365 (H) x 130 (W) mm
WEIGHT	: 2.7 kg (less battery)
ACCESSORIES	: Steel carrying case, Battery and charger

REC-651F



SPECIFICATION

RAM STROKE	: 31.5 mm
OPENING BETWEEN NIBS	: 32 mm
RESERVOIR CAPACITY	: 78 cc
FORCE AT DIE FACE	: 60 kN
SIZE	: 409 (L) x 274 (H) x 79 (W) mm
WEIGHT	: 4.6 kg (without battery)
ACCESSORIES	: Shoulder strap, Double molded carrying case, Battery and Charge

REC-651F



SPECIFICATION

RAM STROKE	: 31.5 mm
OPENING BETWEEN NIBS	: 36 mm
RESERVOIR CAPACITY	: 78 cc
FORCE AT DIE FACE	: 60 kN
SIZE	: 420 (L) x 276 (H) x 79 (W) mm
WEIGHT	: 4.6 kg (without battery)
ACCESSORIES	: Shoulder strap, Double molded carrying case, Battery and Charge

OTHERS

REC-651F



SPECIFICATION

RAM STROKE	: 22 mm
MOTOR	: 14.4 VDC
RESERVOIR CAPACITY	: 78 cc
FORCE AT DIE FACE	: 127 kN
SIZE	: 383 (L) x 261 (H) x 79 (W) mm
WEIGHT	: 5.0 kg (without battery)
ACCESSORIES	: Shoulder strap, Plastic carrying case, Indenting dies, Nest : Nest wheel & 200 die Indentor : 14, 22, 38-70, 80-150 pieces Battery and Charger

SL-510/SL-C430/SL-C510



SPECIFICATION

RAM STROKE	SL-510 : 42 mm SL-C430 : 31 mm SL-C510 : 42 mm
MOTOR	: 14.4 VDC
SIZE	SL-510 : 485 (L) x 121 (H) x 101 (W) mm SL-C430 : 500 (L) x 149 (H) x 101 (W) mm SL-C510 : 421 (L) x 150 (H) x 101 (W) mm
WEIGHT	SL-510 : 5.3 (without battery) SL-C430 : 5.8 (without battery) SL-C510 : 6.2 (without battery)
ACCESSORIES	: Steel carrying case (SL-C510, SL-C430) Double molded carrying case (SL-510) Battery and Charger

SL-NDM(SL-6CJ/SL-CH)



SPECIFICATION

RAM STROKE	: 21 mm
MOTOR	: 14.4 VDC
RESERVOIR CAPACITY	: 45 cc
FORCE AT DIE FACE	: 70 kN
SIZE	: 421 (L) x 95 (H) x 70
WEIGHT	: 4.2 (without battery)
ACCESSORIES	: Shoulder strap, Steel carrying case, Battery and Charger

ECO-50/ECO-50M



SPECIFICATION

RAM STROKE	: 15 mm
MOTOR	: 14.4 VDC
APPLICABLE HEX COMPRESSION	: Max. 150mm ² Cu Lugs
FORCE AT DIE FACE	: 52 kN
SIZE	: 397 (L) x 79 (H) x 70 (W) mm
WEIGHT	: 2.3 kg (without battery)
ACCESSORIES	: Shoulder strap, Steel carrying case, Battery and Charger

SL-95YC



SPECIFICATION

MOTOR	: 14.4 vdc
OPENING JAW	: 95 mm
DIMENSIONS (LXHXW)	: 685x250x120 (mm)
WEIGHT	: 8.8 kg (less battery)
BATTERY	: BP-80LI Li-Ion Battery
CHARGER	: CH-100 multi-voltage
OUTPUT FORCE	: 124 kN
ACCESSORIES	: BP-80LI Li-Ion Battery 14.4V 3.0Ah CH-100 Li-Ion Charger 220V-240V Steel Carrying Case, Shoulder Strap

SL-S40



SPECIFICATION

MOTOR	: 14.4 vdc
OPENING JAW	: 40 mm
DIMENSIONS (LXHXW)	: 544x121x101 (mm)
WEIGHT	: 5.1 kg (less battery)
BATTERY	: BP-80LI Li-Ion Battery
CHARGER	: CH-100 multi-voltage
ACCESSORIES	: BP-80LI Li-Ion Battery 14.4V 3.0Ah CH-100 Li-Ion Charger 220V-240V Steel Carrying Case, Shoulder Strap


15B
Specification

RAM STROKE (mm)	15
RESERVOIR CAPACITY (cc)	83
FORCE AT DIE FACE (Metric Ton)	6
LENGTH (mm)	465
WEIGHT (kg)	3


EP-50
Specification

RAM STROKE (mm)	10-15
RESERVOIR CAPACITY (cc)	60
FORCE AT DIE FACE (Metric Ton)	5.2
LENGTH (mm)	370
WIDTH (mm)	130
WEIGHT (kg)	2


CN-58A
Specification

RAM STROKE (mm)	19-24
RESERVOIR CAPACITY (cc)	60
FORCE AT DIE FACE (Metric Ton)	5.2
LENGTH (mm)	525
WIDTH (mm)	130
WEIGHT (kg)	3.7


EP-410
Specification

RAM STROKE (mm)	25
RESERVOIR CAPACITY (cc)	124
FORCE AT DIE FACE (Metric Ton)	10.3-11.3
LENGTH (mm)	585
WIDTH (mm)	150
WEIGHT (kg)	6


EP-431
Specification

RAM STROKE (mm)	25
RESERVOIR CAPACITY (cc)	124
FORCE AT DIE FACE (Metric Ton)	10.3-11.3
LENGTH (mm)	585
WIDTH (mm)	150
WEIGHT (kg)	6


EP-510C
Specification

RAM STROKE (mm)	38
RESERVOIR CAPACITY (cc)	200
FORCE AT DIE FACE (Metric Ton)	12
LENGTH (mm)	644
WIDTH (mm)	150
WEIGHT (kg)	8


UC-6B
Specification

RAM STROKE (mm)	29
OPENING BETWEEN NIBS (mm)	32
OUTPUT FORCE (Metric Ton)	5.6
LENGTH (mm)	565
WEIGHT (kg)	5.1


UC-6FT2
Specification

RAM STROKE (mm)	31.5
OPENING BETWEEN NIBS (mm)	36
OUTPUT FORCE (Metric Ton)	5.6
LENGTH (mm)	580
WEIGHT (kg)	5.2


EP-50H
Specification

RAM STROKE (mm)	15
FORCE AT DIE FACE (Metric Ton)	5.2
LENGTH (mm)	250
WEIGHT (kg)	1.6


CN-58H
Specification

RAM STROKE (mm)	19-24
FORCE AT DIE FACE (Metric Ton)	5.4
LENGTH (mm)	295
WEIGHT (kg)	2.8


EP-410H
Specification

RAM STROKE (mm)	25
FORCE AT DIE FACE (Metric Ton)	10.3-11.3
LENGTH (mm)	285
WEIGHT (kg)	3.6


EP-431H
Specification

RAM STROKE (mm)	31
FORCE AT DIE FACE (Metric Ton)	10.3-11.3
LENGTH (mm)	340
WEIGHT (kg)	4.6


EP-510HC
Specification

RAM STROKE (mm)	38
FORCE AT DIE FACE (Metric Ton)	12
LENGTH (mm)	340
WEIGHT (kg)	4.6


EP-H130H
Specification

RAM STROKE (mm)	28
LENGTH (mm)	317
WEIGHT (kg)	4.2


UC-6H
Specification

RAM STROKE (mm)	29
OPENING BETWEEN NIBS (mm)	32
OUTPUT FORCE (Metric Ton)	5.6
LENGTH (mm)	270
WEIGHT (kg)	2.8


UC-6FTH2
Specification

RAM STROKE (mm)	31.5
OPENING BETWEEN NIBS (mm)	36
FORCE AT DIE FACE (Metric Ton)	5.6
LENGTH (mm)	280
WEIGHT (kg)	3


EP-610HS2
Specification

RAM STROKE (mm)	50
FORCE AT DIE FACE (Metric Ton)	14.2
LENGTH (mm)	375
WEIGHT (kg)	6.9


TEP-610HS2
Specification

RAM STROKE (mm)	50
LENGTH (mm)	375
WEIGHT (kg)	5.2


EP-520C
Specification

RAM STROKE (mm)	26
OUTPUT FORCE (Metric Ton)	30
HEIGHT (mm)	380
WIDTH (mm)	125 (dia)
WEIGHT (kg)	17.5


EP-30D
Specification

RAM STROKE (mm)	26
FORCE AT DIE FACE (Metric Ton)	30
HEIGHT (mm)	380
WIDTH (mm)	125


EP-60S
Specification

RAM STROKE (mm)	38.5
FORCE AT DIE FACE (Metric Ton)	55
LENGTH (mm)	with ground stand
HEIGHT (mm)	450
WIDTH (mm)	146 (dia)
WEIGHT (kg)	22


EP-60D
Specification

RAM STROKE (mm)	38.5
FORCE AT DIE FACE (Metric Ton)	55
LENGTH (mm)	with ground stand
HEIGHT (mm)	446
WIDTH (mm)	260 (dia)
WEIGHT (kg)	23


EP-100W
Specification

RAM STROKE (mm)	22
FORCE AT DIE FACE (Metric Ton)	100
HEIGHT (mm)	350
WIDTH (mm)	200 (dia)
WEIGHT (kg)	32


TEP-104W
Specification

RAM STROKE (mm)	27
HEIGHT (mm)	340
WIDTH (mm)	230
WEIGHT (kg)	27.5


EP-200W
Specification

RAM STROKE (mm)	40
HEIGHT (mm)	415
WIDTH (mm)	270
WEIGHT (kg)	84


LP-430A
Specification

RAM STROKE (mm)	30
FORCE AT DIE FACE (Metric Ton)	11.3
LENGTH (mm)	500
WIDTH (mm)	127 (dia)
WEIGHT (kg)	8.1


P-200M
Specification

OUTPUT FORCE (Metric Ton)	12.4
WEIGHT (kg)	2.8


16B
Specification

RAM STROKE (mm)	25
FORCE AT DIE FACE (Metric Ton)	12
LENGTH (mm)	286
WEIGHT (kg)	4.5

Battery Operated Pump

REC-P600



SPECIFICATION

MOTOR	14.4 V DC
OIL DELIVERY	1.3 liters / min at low pressure (300 psi) 0.2 liters / min at low pressure (10,00 psi)
RESERVOIR VOLUME	600 cc
SIZE	100 (L) x 140 (H) x 70 (W) mm
WEIGHT	8.2 kg (without battery)
ACCESSORIES	Shoulder strap
OPTION	Back harness, Carrying Bag

Hydraulic Operated Pump

R14E-H



SPECIFICATION

OIL DELIVERY (50HZ)	2.9 liter / min at low pressure 0.3 liter / min at low pressure
INPUT	Single phase 50 / 60 Hz 120 V or 220 V 340 W motor
RESERVOIR CAPACITY	1.7 liter
CABLE LENGTH OF REMOTE CONTROL SWITCH	3 m
SIZE	306 (L) x 205 (W) x 393 (H) mm
WEIGHT	16 kg (14.5 kg dry)
ACCESSORIES	2 m hydraulic hose attached

HPM-06A



SPECIFICATION

OIL DELIVERY (50HZ)	2.5 liter / min at low pressure 0.4 liter / min at low pressure
INPUT	Single phase 50 / 60 Hz 120 V or 220 V 550 W motor
RESERVOIR CAPACITY	3 liter
CABLE LENGTH OF REMOTE CONTROL SWITCH	3 m
SIZE	350 (L) x 330 (W) x 420 (H) mm
WEIGHT	36 kg (33.5 kg dry)
ACCESSORIES	Remote control switch

HPE-2A



SPECIFICATION

OIL DELIVERY (50HZ)	2.6 liter / min at low pressure 0.5 liter / min at low pressure
ENGINE	Air cooled 4 cycle gasoline engine 1.5kw (2.0 ps) / 3,600 rpm, leadfree gasoline
RESERVOIR CAPACITY	2.2 liter
SIZE	470 (L) x 330 (W) x 443 (H) mm
WEIGHT	32.0 kg (29 kg dry)
ACCESSORIES	Remote control switch

HPE-2D



SPECIFICATION

OIL DELIVERY (50HZ)	2.6 liter / min at low pressure 0.35 liter / min at low pressure
ENGINE	Air cooled 4 cycle gasoline engine 1.5kw (2.0 ps) / 3,600 rpm, leadfree gasoline
RESERVOIR CAPACITY	2.2 liter
SIZE	530 (L) x 330 (W) x 443 (H) mm
WEIGHT	37.0 kg (35.0 kg dry)
ACCESSORIES	Remote control switch, Spark plug wrench

HPE-4



SPECIFICATION

OIL DELIVERY (50HZ)	7.5 liter / min at low pressure 1.2 liter / min at low pressure
ENGINE	Air cooled 4 cycle gasoline engine 2.2kw (3.0 ps) / 3,600 rpm, leadfree gasoline
RESERVOIR CAPACITY	10 liter
SIZE	665 (L) x 405 (W) x 445 (H) mm
WEIGHT	60 kg (50 kg dry)
ACCESSORIES	Remote control switch, Spark plug wrench

HPE-4M



SPECIFICATION

OIL DELIVERY (50HZ)	7.5 liter / min at low pressure 1.2 liter / min at low pressure
ENGINE	Air cooled 4 cycle gasoline engine 2.2kw (3.0 ps) / 3,600 rpm, leadfree gasoline
RESERVOIR CAPACITY	10 liter
SIZE	670 (L) x 405 (W) x 475 (H) mm
WEIGHT	60 kg (50 kg dry)
ACCESSORIES	Spark plug wrench

IZUMI LITHIUM-ION BATTERY TECHNOLOGY

Life expectancy is more than 300% in Comparison with 3Ah BP-70MH Ni-Metal battery



BP-80LI

New insertion type battery
Offers long-lasting performance and durability
LED display: Displays remaining battery capacity (BP-80LI Only)



BP-14LN

Slide on type battery

Light weight

No Memory effect

Low self discharge rate

Multi-Voltage charger

CH-100

For AC/DC use
Charge all IZUMI 14.4V insertion type batteries



CH-25 LNW

Quick charger
25min 80%
40min 100%
Only for BP-14LN



TELESCOPING HOT STICKS

The original Tel-O-Pole® Hot Stick is designed for long reach, speed, convenience and safety. All sections are fabricated with reinforced electrical grade fiberglass, for greater strength and high dielectric properties.

FEATURES AND BENEFITS:

- For opening and closing disconnect switches
- Replacing fuses on transformers
- Pruning tree limbs
- Fluorescent green tip section is highly visible and has a foam core
- Several models and lengths available

STANDARD TEL-O-POLE® HOT STICK

This style stick can be locked at each length listed.

The tip diameter for this model is 7/8". Tip section will not interlock.

CAT NO	EXTENDED	RETRACTED	BASE DIA	LBS	CASE
S-212	12'	44"	1 5/8"	3.8	C-212
S-216	12'4" - 16'	56"	1 5/8"	4.5	C-30
S-220	17' - 20'	58"	1 7/8"	5.5	C-30
S-225	17' -21' - 25.5'	60"	2 3/16"	7.0	C-30
S-230	17' -21.5' -26' -30'	61 5/8"	2 3/8"	8.8	C-30
S-235	17' -21.5' -26' -30' - 35'	63 3/8"	2 11/16"	11.0	C-35
S-240	22' -26' -30' -35' -40'	65 3/8"	2 7/8"	13.9	C-40
S-245	22' -26' -30' -35' -40' -44.5'	67"	3 3/16"	16.5	C-45

TEL-O-POLE® HOT STICK WITH TIP LOCK FEATURE

Tip retracts and locks into next larger section.

The tip diameter for this model (extended) is 7/8" or (retracted) is 1 3/32".

CAT NO	EXTENDED	RETRACTED	BASE DIA	LBS	CASE
ST-225	17' -21' -25.5'	60"	2 3/16"	7.0	C-30
ST-230	17' -21.5' -26' -30'	61 5/8"	2 3/8"	8.8	C-30
ST-235	17' -21.5' -26' -30' -35'	63 3/8"	2 11/16"	11.0	C-35
ST-240	22' -26' -30' -35' -40'	65 3/8"	2 7/8"	13.9	C-40
ST-245	22' -26' -30' -35' -40' -44.5'	67"	3 3/16"	16.5	C-45

HEAVY DUTY TEL-O-POLE® HOT STICK

The tip diameter for this model is 1 3/32". All sections will interlock.

CAT NO	EXTENDED	RETRACTED	BASE DIA	LBS	CASE
SH-216	9' -13' -17'	58 1/8"	1 7/8"	4.8	C-30
SH-200	13' -17.5' -21.5'	60"	2 3/16"	6.5	C-30
SH-250	13' -17.5' -21.5' -26'	61 5/8"	2 3/8"	8.3	C-30
SH-230	13' -17.5' -21.5' -26' -30'	63 3/8"	2 11/16"	10.3	C-35
SH-235	17' -21.5' -26' -30' -35'	65 3/8"	2 7/8"	13.0	C-35
SH-240	17' -21.5' -26' -30' -35' -40'	67"	3 3/16"	15.9	C-45

EXTENSION SECTION

The extension section mounts on universal end to get additional length.

CAT NO	LENGTH	LBS
839-2	56"	2.0



ST-235

839-2

TEL-O-POLE SLIDE STOP

See Page 101 for details



TEL-O-POLE® II

The "No Twist" stick has a unique triangular design.

All models are heavy duty.

FEATURES AND BENEFITS:

- Triangle shape enables each section to "lock in automatically", no need to search for the button
- Fluorescent green tip section is highly visible and has a foam core
- Sections can be removed or added to make the stick the preferred length.
Example: HV-235 remove 4 sections to make it 20 ft instead of 35 ft
- Ergonomic design gives the operator a better gripping surface for better control
- All sections have a smooth glossy surface for routine cleaning and waxing



Locking Button Top View



End View showing Triangular Shape

CAT NO	EXTENDED	RETRACTED	BASE DIA	LBS	CASE
HV-212	12' 7"	58"	1.45"	3.7	C-30
HV-216	16' 9"	60"	1.61"	5.0	C-30
HV-220	21'	62"	1.75"	6.4	C-30
HV-225	25' 6"	64"	1.91"	8.1	C-40
HV-230	30'	66"	2.07"	10.0	C-40
HV-235	35'	68"	2.22"	12.1	C-40
HV-240	39' 6"	69"	2.38"	14.4	C-40
HV-245	44' 5"	72"	2.54"	18.125	C-45

PATENT NO. US 8,469,423



HV-235



06-186 HV-312



HV-208 06-185



TEL-O-POLE SLIDE STOP

- Stops Hot Stick Sections from extending while in storage
- Outer Band provides surface protection and grip to help prevent rolling and sliding when in storage

CAT NO	DESCRIPTION	LBS
P31521	SLIDE STOP - FITS S-225 / ST-225	0.05
P31522	SLIDE STOP - FITS S-230 / S-235 / S-240 FITS ST-230 / ST-235 / ST-240 FITS SH-250 / SH-230 / SH-235	0.05
P31523	SLIDE STOP - FITS HV-225 / HV-230	0.05
P31524	SLIDE STOP - FITS HV-235 / HV-240 / HV-245	0.05

TEL-O-POLE® BUCKET STICKS AND CANISTERS

Ideal for quick access for linemen working out of a bucket truck.

FEATURES AND BENEFITS:

- Stick collapses below lip of bucket
- Bucket sticks are available in 8' and 12'
- Light weight bucket storage canister available for both models
- Snap on lid secured with lanyard

CAT NO	EXTENDED	RETRACTED	BASE DIA	LBS	CASE
HV-208	8'	26"	1.75"	3.0	C-208
HV-312	12'	37"	1.61"	4.3	C-312
06-185	FITS HV-208			3.8	
06-186	FITS HV-312			5.1	

PATENT NO. US 8,469,423

TEL-O-POLE® MEASURING STICKS

Safely measure vertical heights. Available in English or Metric graduations. Used to measure overhead lines, telephone, cable-TV, highway clearances, and structures.

FEATURE AND BENEFITS:

- Eye-level reading, no calculations required, the read-height is shown at the top of the base section
- Positive locking buttons, spring-loaded, fast accurate and easy to extend
- Standardized parts for quick and easy repair and replacement

CAT NO	EXTENDED	RETRACTED	WEIGHT	CASE
E-25	25'	65 3/4"	3.2 lbs.	C-35
E-30	30'	65 3/4"	4.5 lbs.	C-35
E-35	35'	65 3/4"	5.9 lbs.	C-35
E-40	40'	65 3/4"	7.5 lbs.	C-35
E-50	50'	69 3/16"	13.2 lbs.	C-40
M-25	7.5 METERS	1.67 METERS	1.5 kg.	C-35
M-35	10.5 METERS	1.67 METERS	2.7 kg.	C-35
M-40	12 METERS	1.67 METERS	3.4 kg.	C-35
M-50	15 METERS	1.76 METERS	6.0 kg.	C-40

COMBINATION TEL-O-POLE® HOT STICK AND MEASURING STICK

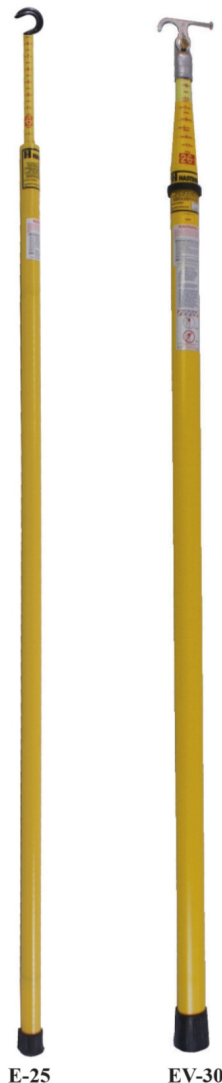
One stick does it all, the heavy duty Tel-O-Pole II and Measuring Stick, all in one. Available in English or Metric graduations.

FEATURES AND BENEFITS:

- Open and close switches, disconnects, line fuses, cut outs, as well as measure elevated heights
- Eye-level reading, no calculations required, the read-height is shown at the top of the next collapsed section
- Markings are printed in large easy to read numbers
- English models are in feet and inches
- Metric models are in meters and centimeters

CAT NO	EXTENDED	RETRACTED	BASE DIA	WEIGHT	CASE
EV-25	25' 6"	64"	1.91"	8.1 lbs.	C-40
EV-30	30'	66"	2.07"	10.0 lbs.	C-40
EV-35	35'	68"	2.22"	12.1 lbs.	C-40
EV-40	39' 6"	69"	2.38"	14.4 lbs.	C-40
MV-25	7.8 METERS	1.63 METERS	4.85 cm	3.7 kg.	C-40
MV-30	9.2 METERS	1.68 METERS	5.25 cm	4.5 kg.	C-40
MV-35	10.6 METERS	1.72 METERS	5.6 cm	5.5 kg.	C-40
MV-40	12 METERS	1.75 METERS	6.04 cm	6.5 kg.	C-40

PATENT NO. US 8,469,423



E-25

EV-30

SWITCH HEAD STICK				
• Switch heads are made of bronze				
• Designed to NEMA standards				
	1 1/4" DIAMETER		1 1/2" DIAMETER	
FT	CAT NO	LBS	CAT NO	LBS
4	460-4	1.5	-----	-----
6	460-6	2.3	462-6	2.8
8	460-8	3.0	462-8	3.6
10	460-10	3.2	462-10	4.8
12	460-12	3.5	462-12	6.5
14	-----	-----	462-14	7.3
16	-----	-----	462-16	8.2
18	-----	-----	462-18	9.1
20	-----	-----	462-20	10.0

DISCONNECT HEAD STICK				
• Heavy duty				
• For large switches and disconnects				
	1 1/4" DIAMETER		1 1/2" DIAMETER	
FT	CAT NO	LBS	CAT NO	LBS
4	461-4	1.6	-----	-----
6	461-6	2.4	541-6	3.1
8	461-8	3.6	541-8	3.7
10	461-10	4.8	541-10	4.9
12	461-12	6.5	541-12	6.6
14	-----	-----	541-14	7.4
16	-----	-----	541-16	8.3
18	-----	-----	541-18	9.2
20	-----	-----	541-20	10.1



567-4

UNIVERSAL HEAD STICK				
• Can adapt with any universal tool found in the Hotstick Accessories Section				
	1 1/4" DIAMETER		1 1/2" DIAMETER	
FT	CAT NO	LBS	CAT NO	LBS
4	567-4	1.4	-----	-----
6	567-6	1.7	-----	-----
8	567-8	2.6	-----	-----
10	567-10	3.3	469-10	4.5
12	567-12	4.0	469-12	6.5
14	-----	-----	469-14	7.3
16	-----	-----	469-16	8.3
18	-----	-----	469-18	9.2
20	-----	-----	469-20	10.1

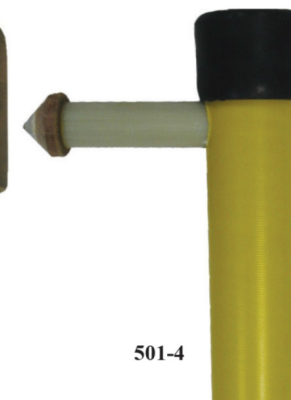
INSULATED HEAD STICK				
• For confined spaces and tight switch gear				
• Prong is made of solid fiberglass material				
	1 1/4" DIAMETER		1 1/2" DIAMETER	
FT	CAT NO	LBS	CAT NO	LBS
4	501-4	1.2	-----	-----
6	501-6	2.1	502-6	2.3
8	501-8	2.6	502-8	3.1
10	501-10	3.5	502-10	4.3
12	501-12	4.3	502-12	5.2
14	-----	-----	502-14	6.2
16	-----	-----	502-16	7.1
18	-----	-----	502-18	8.1



460-4



461-4



501-4

SPLICED SWITCH AND DISCONNECT STICKS

- Eliminates storage problems and duplication of tools
- Choose top section and base section and add extension sections as needed for extra length
- Switch and disconnect heads are made from bronze alloy
- Insulated head is fiberglass



5460-2



5461-2



5467-2



5462-2



546-2



552-4

SWITCH HEAD					INSULATED HEAD				DISCONNECT HEAD			
1 1/4" DIA			1 1/2" DIA		1 1/4" DIA		1 1/2" DIA		1 1/4" DIA		1 1/2" DIA	
FT	CAT NO	LBS	CAT NO	LBS	CAT NO	LBS	CAT NO	LBS	CAT NO	LBS	CAT NO	LBS
2	5460-2	1.0	-----	-----	5462-2	0.8	-----	-----	5461-2	1.1	-----	-----
4	5460-4	1.6	5540-4	2.3	5462-4	1.4	5542-4	2.2	5461-4	1.8	5541-4	2.3
6	5460-6	2.0	5540-6	3.4	5462-6	1.8	5542-6	3.0	5461-6	2.1	5541-6	3.4
8	5460-8	2.6	5540-8	4.5	5462-8	2.2	5542-8	4.2	5461-8	2.8	5541-8	4.5
10	-----	-----	5540-10	6.0	-----	-----	5542-10	5.8	-----	-----	5541-10	6.0

UNIVERSAL HEAD					BASE SECTIONS				EXTENSION SECTIONS			
1 1/4" DIA			1 1/2" DIA		1 1/4" DIA		1 1/2" DIA		1 1/4" DIA		1 1/2" DIA	
FT	CAT NO	LBS	CAT NO	LBS	CAT NO	LBS	CAT NO	LBS	CAT NO	LBS	CAT NO	LBS
2	5467-2	1.3	-----	-----	-----	-----	-----	-----	546-2	1.0	-----	-----
4	5467-4	2.0	5547-4	2.3	552-4	1.5	5553-4	1.8	546-4	1.2	5546-4	2.0
6	5467-6	2.3	5547-6	3.4	552-6	2.0	5553-6	2.7	546-6	2.0	5546-6	3.0
8	5467-8	3.1	5547-8	4.5	552-8	2.7	5553-8	3.6	546-8	2.5	5546-8	4.1
10	-----	-----	5547-10	6.0	552-10	3.5	5553-10	4.5	-----	-----	5546-10	5.3



A10011 A10012 5556 A18007

SNAP ON ADAPTERS

CAT NO	DESCRIPTION
A10012	MALE UNIVERSAL ADAPTER FOR 1 1/4" STICK
A10025	MALE UNIVERSAL ADAPTER FOR 1 1/2" STICK
5556	MALE DISCONNECT HEAD ADAPTER FOR 1 1/4" STICK
5558	MALE DISCONNECT HEAD ADAPTER FOR 1 1/2" STICK
A10011	FEMALE UNIVERSAL ADAPTER FOR 1 1/4" STICK
A10026	FEMALE UNIVERSAL ADAPTER FOR 1 1/2" STICK
A18007	FEMALE BASE CAP FOR 1 1/4" STICK
A18008	FEMALE BASE CAP FOR 1 1/2" STICK



4683-6

UNIVERSAL TIE STICKS

All sticks are equipped with combination hanger hook and tie wire assistant.

FEATURES AND BENEFITS:

- Rotary Blade - The rotary blade tie stick head produces a swivel action that enables wire to be moved greater distance without disengaging tool.
- Rotary Prong - Use the rotary prong tie stick head for applying new tie wires with loops. Rotary action of prong provides ease and speed in operation.
- Double Prong - Use the double prong tie stick head for installing and removing looped end ties. Double prongs are especially useful for bailing wire for safe removal.
- Rotary Blade
- Rotary Prong
- Double Prong
- Available in various combinations - see below.



Rotary Blade



Rotary Prong



Double Prong

DOUBLE & SINGLE END STICKS	CAT NO	CAT NO
	1 1/4" DIA x 6'	1 1/4" DIA x 8'
ROTARY BLADE & UNIVERSAL HEAD	4684-6	4684-8
ROTARY PRONG & UNIVERSAL HEAD	4682-6	4682-8
DOUBLE PRONG & UNIVERSAL HEAD	4685-6	4685-8
ROTARY BLADE - OPPOSITE END CAPPED	4687-6	4687-8
ROTARY PRONG - OPPOSITE END CAPPED	4681-6	4681-8
DOUBLE PRONG - OPPOSITE END CAPPED	4688-6	4688-8
ROTARY PRONG & ROTARY BLADE	4683-6	4683-8

MULTI-PURPOSE HOLDING TOOL

For holding slack conductors during sleeving. Provides positive control for shaping and bending jumpers and controlling conductors when cutting.

FEATURES AND BENEFITS:

- Excellent means of applying factory formed tie wires, armor rods, and securing captured hardware during crimping operation
- Main fiberglass portion is 1" diameter
- The 5/8" operating rod is designed to withstand high torque values
- Foam filled to completely eliminate migration of contaminants and moisture

RIGID HEAD				
CAT NO	LENGTH	CONDUCTOR CAPACITY	LBS	CASE
4600	4'	#6 to 1 1/16"	3.3	C-8104
4601	6'	#6 to 1 1/16"	3.8	C-8106
4602	8'	#6 to 1 1/16"	4.3	C-8108

ADJUSTABLE HEAD				
CAT NO	LENGTH	CONDUCTOR CAPACITY	LBS	CASE
4603	4'	#6 to 1 1/16"	4.0	C-8104
4604	6'	#6 to 1 1/16"	4.5	C-8106
4605	8'	#6 to 1 1/16"	5.0	C-8108

ADJUSTABLE HEAD

All of the same features of the rigid head plus the convenience of adjustment from straight to 30 degrees both sides of center. This gives the lineman better control options from multiple positions. A universal joint on the operating rod allows smooth, effortless control of the gripping pressure. Angle adjustments are obtained easily by means of a spring loaded thumb screw.



4604



464



4355



4355-8

HOT STICK BLANK POLES

- Foam filled
- Existing tools can be attached by cementing with epoxy adhesive

1 1/4" DIA BLANKS			1 1/2" DIA BLANKS		2" DIA BLANKS	
FT	CAT NO	LBS	CAT NO	LBS	CAT NO	LBS
4	464	1.2	534	2.0	-----	-----
6	466	2.0	536	3.0	-----	-----
8	468	2.5	538	4.1	638	5.1
10	4610	2.9	5310	5.3	6310	6.3
12	4612	3.3	5312	6.5	6312	7.5
14	4614	3.8	5314	7.6	6314	8.6
16	-----	-----	5316	8.8	6316	9.8
18	-----	-----	5318	10	6318	11.0
20	-----	-----	5320	11.2	6320	12.2

2 1/2" DIA BLANKS			3" DIA BLANKS	
FT	CAT NO	LBS	CAT NO	LBS
8	648	7.5	6508	11.0
9	-----	-----	6509	12.5
10	6410	9.5	6510	14.0
11	-----	-----	6511	15.5
12	6412	11.5	6512	17.0
14	6414	13.5	6514	20.0
16	6416	15.5	6516	23.0
18	6418	17.5	6518	26.0
20	6420	19.5	6520	29.0

HOT STICK SPLICE FITTINGS

- Hinge Splice
- Rigid Splice

CAT NO	DESCRIPTION	LBS
4355-8	HINGE SPLICE FOR 1 1/4" DIAMETER STICK	1.0

CAT NO	DESCRIPTION	LBS
4355	METAL SPLICE TO FIT 1 1/4" to 1 1/4"	1.1
4355-5	METAL SPLICE TO FIT 1 1/2" to 1 1/4"	1.3
4355-1	METAL SPLICE TO FIT 1 1/2" to 1 1/2"	1.3
4355-7	METAL SPLICE TO FIT 1 3/4" to 1 1/2"	1.6
4355-6	METAL SPLICE TO FIT 1 3/4 to 1 3/4"	1.6

SEVERE WEATHER STICK

The severe weather tool is intended to improve safety in situations where the work must be performed, regardless of weather conditions. The tool provides extra protection from water forming a continuous path down the length of the tool. This will improve the dielectric properties of the tool when used in rain, fog, snow, or sleet.

UNIVERSAL - ONE END ONLY				
	1 1/4" DIAMETER		1 1/2" DIAMETER	
FT	CAT NO	LBS	CAT NO	LBS
6	6801	3.2	-----	-----
8	6802	4.0	-----	-----
10	6803	4.8	-----	-----
12	6804	5.6	6811	7.1
14	-----	-----	6812	7.8
16	-----	-----	6813	8.7
18	-----	-----	6814	9.6
20	-----	-----	6815	10.4

SEVERE WEATHER TOOL

- Can adapt to any universal stick

CAT NO	DESCRIPTION	LBS
6805	SEVERE WEATHER TOOL 1 1/4" x 24" WITH UNIVERSAL ON BOTH ENDS	1.8

BODY RESCUE HOOK STICK

- 18" open hook mounted on a 1 1/4" O.D. fiberglass pole can be used for emergency rescue of injured personnel
- The A30428 can be used with any universal end sticks
- The A30429 can be used with any spliced end sticks

CAT NO	DESCRIPTION	LBS
848-1	RESCUE STICK WITH 6' POLE	7.5
848-2	RESCUE STICK WITH 8' POLE	8.0
A30428	RESCUE HOOK WITH UNIVERSAL FITTING	5.1
A30429	RESCUE HOOK WITH SPLICE END	5.6



6801



6805



848-1



A30429



A30428



6780-17

6775-6

6770-6

6775-10

HEAVY DUTY ONE PIECE FIBERGLASS PIKE POLES

- One piece pole has a solid unicellular foam core
- Supplied with reversible point for safety and storage
- Supplied with a heavy duty base cap to protect butt end
- Poles have a 2" diameter

CAT NO	LENGTH	LBS
6775-10	10'	7.5
6775-12	12'	8.7
6775-14	14'	9.9
6775-16	16'	11.1
6775-18	18'	12.3
6775-20	20'	13.5



LIGHT - MEDIUM DUTY TEL-O-POLE® FIBERGLASS PIKE POLE

- Telescopic - retracts to 5' can be stored on service trucks
- Telescopes to 17'
- Tip section is foam filled
- Supplied with heavy duty base cap to protect butt end
- All sections easily disassembled for cleaning and repair

CAT NO	SECTIONS	TIP DIAMETER	BASE DIAMETER	LBS	CASE
6780-17	4	1 1/8"	2"	4.0	C-30

SECTIONAL HEAVY DUTY FIBERGLASS PIKE POLES

- Solves storage problems of one piece pike poles
- Heavy duty plated steel splice keeps joined sections secure and rigid
- Supplied with reversible point for safety and storage

CAT NO	DESCRIPTION	LBS
6775-6	6' TOP SECTION	7.1
6775-7	7' TOP SECTION	8.0
6775-8	8' TOP SECTION	8.9
6770-6	6' BASE SECTION	9.0
6770-7	7' BASE SECTION	9.9
6770-8	8' BASE SECTION	10.8

FIBERGLASS HANDLE CANT HOOK

- High strength forged steel hook
- 1 3/4" diameter fiberglass handle is easily gripped when wearing gloves
- Supplied with heavy duty base cap to protect butt end
- Protective metal sleeve on head eliminates wear
- Knuckle guard to protect hand if hook swings back to pole

CAT NO	DESCRIPTION	LBS
6705	CANT HOOK WITH 36" FIBERGLASS HANDLE	6.0



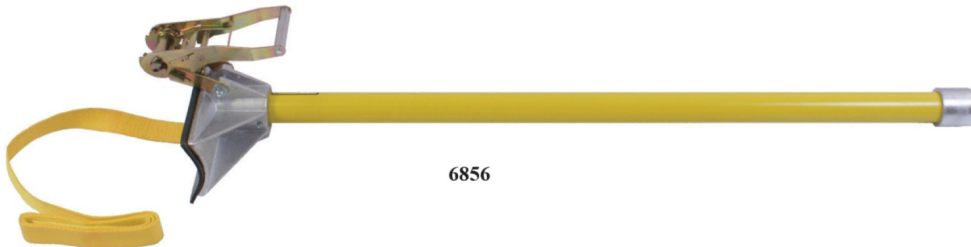
6705

POLE CANT TOOL

Fiberglass handle tool with heavy duty ratchet binder and nylon strap with special coating for turning fiberglass, concrete, metal and wood poles during installation.

FEATURES AND BENEFITS:

- Fiberglass Handle - 48" long x 2" diameter, has a solid foam core
- Nylon Strap - special coated for gripping pole surface
- Ratchet Binder - Heavy duty ratchet has extra wide handle for easy operation when wearing gloves
- Neoprene Pad on aluminum base of tool prevents damage to poles
- Two Way Turning - Poles can be turned in both positions without reinstalling the tool



6856

CAT NO	DESCRIPTION	LBS
6856	POLE CANT TOOL WITH HEAVY DUTY RATCHET BINDER AND 6' NYLON STRAP	10.0
6856-3	POLE CANT TOOL WITH HEAVY DUTY RATCHET BINDER AND 8' NYLON STRAP	10.2
6856-5	POLE CANT TOOL WITH HEAVY DUTY RATCHET BINDER AND 10' NYLON STRAP	10.4



6751-01

ONE PIECE FIBERGLASS CABLE HANDLING TOOL

- 3 1/2" diameter hook for easy hooking of cable
- 1 1/4" diameter foam filled fiberglass shaft to prevent condensation
- 3/8" diameter steel handle

CAT NO	DESCRIPTION	LBS
6751-01	CABLE TOOL WITH 2' FIBERGLASS SHAFT	2.0
6751-03	CABLE TOOL WITH 3' FIBERGLASS SHAFT	2.6
6751-04	CABLE TOOL WITH 4' FIBERGLASS SHAFT	3.1
6751-06	CABLE TOOL WITH 6' FIBERGLASS SHAFT	4.5

TWO PIECE CABLE HANDLING TOOL WITH FIBERGLASS HANDLE AND SPIRAL HOOKS

- Spiral hooks provide positive grip on cables up to 2" diameter
- 1 1/4" diameter foam filled fiberglass shaft to prevent condensation
- 3/8" diameter steel handle

CAT NO	DESCRIPTION	LBS
10-106	SPIRAL HOOK - HEAD ONLY WITH UNIVERSAL SPLINE	0.7
6751-8	2' FIBERGLASS SHAFT ONLY	1.8
6751-9	3' FIBERGLASS SHAFT ONLY	2.3
6751-10	4' FIBERGLASS SHAFT ONLY	2.8
6751-16	6' FIBERGLASS SHAFT ONLY	3.3
6751-18	8' FIBERGLASS SHAFT ONLY	3.8



6751-15

SPIRAL HOOK TOOL

How to use the spiral hook tool

- Slide tool over both sides of cable
- Rotate tool 90 degrees and cable becomes captive



10-106

6751-8

INSULATED PROBE TOOLS

- Probe tools are attached to 1 1/4" diameter fiberglass poles and are used for locating buried pipes and cables
- 3/8" O.D. plated steel probe
- Welded ring 3" from tip of tool allows easy penetration of most soils

CAT NO	DESCRIPTION	LENGTH OF FIBERGLASS	OVERALL LENGTH	LBS
6751-15	PROBE TOOL	12"	54"	2.5
6751-07	PROBE TOOL	24"	54"	2.6

FIXED LENGTH SHOTGUN STICK WITH EXTERNAL OPERATING ROD

CAT NO	LENGTH	LBS	CASE
8104	4'6"	4.5	C-8104
8106	6'6"	5.2	C-8106
8108	8'6"	6.5	C-8108
8110	10'6"	7.2	C-8110
8112	12'6"	7.8	C-8112

FIXED LENGTH SHOTGUN STICK WITH INTERNAL OPERATING ROD

CAT NO	LENGTH	LBS	CASE
8204	4'6"	4.1	C-8104
8206	6'6"	4.9	C-8106
8208	8'6"	5.7	C-8108
8210	10'6"	6.4	C-8110
8212	12'6"	7.1	C-8112

FOLDING SHOTGUN STICK WITH EXTERNAL OPERATING ROD

CAT NO	LENGTH	FOLDED LENGTH	LBS	CASE
13412	6'6"	3'10"	7.0	01-015
13413	8'6"	4'6"	8.2	01-015
13414	10'6"	5'11"	9.3	01-017
13415	12'6"	6'11"	10.4	01-017



8104

8204

13412



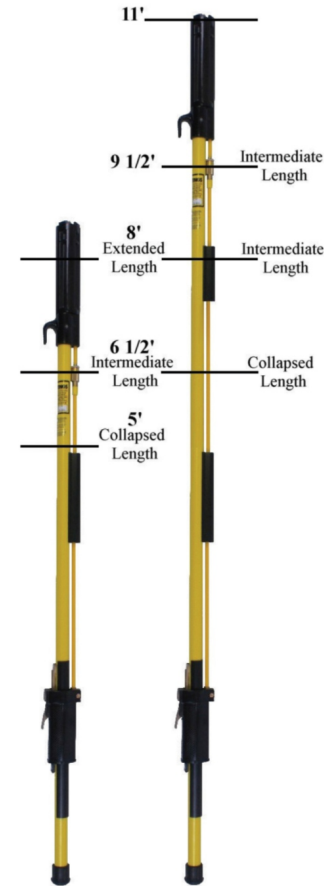
UNIVERSAL OPTION



BOTTOM BREAK HOOK OPTION

TEL-O-POLE® SHOTGUN STICKS

Telescopic shotgun sticks can collapse for storage and extend to the length needed. See chart below.



8158

81611



BUTTON PROTECTOR

- Add -BP to part number
- Helps prevent button from being accidentally depressed



UNIVERSAL OPTION

- Add -U to part number

CAT NO	RETRACTED LENGTH	OPERATING LENGTHS	LBS	CASE
8158	5'1"	5'1", 6'6", 8'	5.8	C-35
8158-80	5'1"	6'6", 8'	5.8	C-35
8158-98	5'1"	8'2"	5.8	C-35
81611	6 1/2'	6'6", 8', 9'6", 11'	6.8	C-8106
81611-97	6 1/2'	8', 9'6", 11'	6.8	C-8106
81-811	8'	8', 9'6", 11', 12'6"	7.3	C-8108
81-814	8'	8', 10', 12', 14'	7.8	C-8108
81-1018	9'10"	9'10", 11'9", 13'6", 15'6", 17'6"	9.5	C-8110

UNIVERSAL FITTING ON BASE END - Add suffix -U to the catalog number.

BOTTOM BREAK HOOK - Add suffix -X to the catalog number (not available on telescopic models).

SECTIONAL SHOTGUN STICK PACKAGE COMPLETE WITH BASE, HEAD, INTERMEDIATE SECTIONS AND CARRY CASE				
CAT NO	LENGTH OF SECTIONS	NUMBER OF SECTIONS IN PACKAGE	OPERATING LENGTHS	LBS
81-524	4'	2	5' - 9'	9.4
81-534	4'	3	5' - 9' - 13'	11.4
81-544	4'	4	5' - 9' - 13' - 17'	15.7
81-526	6'	2	7' - 13'	11.2
81-536	6'	3	7' - 13' - 19'	15.0
81-546	6'	4	7' - 13' - 19' - 25'	18.2

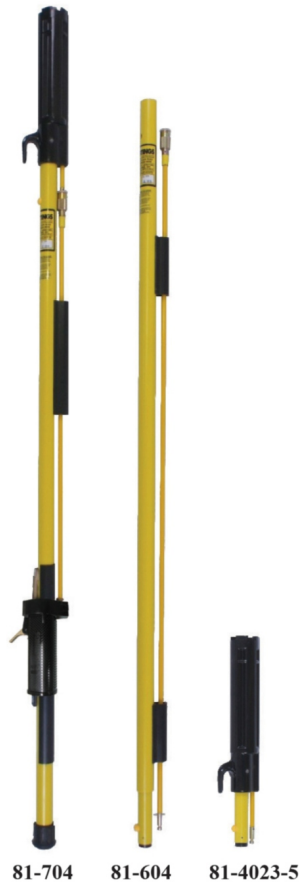
SECTIONAL SHOTGUN STICK COMPLETE WITH DETACHABLE HEAD ASSEMBLY SECTIONS CAN BE ADDED FOR LONGER LENGTHS			
CAT NO	LENGTH OF BASE SECTION	OVERALL LENGTH	LBS
81-704	4'	5'	4.9
81-706	6'	7'	5.6
81-708	8'	9'	9.5
81-710	10'	11'	11.3

INSULATED HEAD ASSEMBLY FOR USE WITH ALL SECTIONAL SHOTGUN STICK BASE AND EXTENSION SECTIONS		
CAT NO	DESCRIPTION	LBS
81-4023-5	INSULATED HEAD ASSEMBLY	1.5

EXTENSION SECTIONS USE WITH SINGLE SECTION STICKS TO MAKE LONGER LENGTHS		
CAT NO	LENGTH	LBS
81-604	4'	2.5
81-606	6'	3.5
81-608	8'	5.0
81-610	10'	6.0

BASE SECTIONS		
CAT NO	LENGTH	LBS
A20289	4'	1.0
A20290	6'	2.0
A20291	8'	3.0
A20292	10'	4.0

CARRY CASES FOR SECTIONAL SHOTGUN STICKS					
4' LENGTH		6' LENGTH		8' LENGTH	
CAT NO	NUMBER OF POCKETS	CAT NO	NUMBER OF POCKETS	CAT NO	NUMBER OF POCKETS
01-524	2	01-526	2	01-528	2
01-534	3	01-536	3	01-538	3
01-544	4	01-546	4		
01-554	5	01-556	5		



TREE TRIMMING KIT

Open the tool kit bag and you have your choice of tree trimming tools in the length you need, all in a convenient heavy duty vinyl tool bag that offers long wear and maximum protection for the tools.

Kits are available with round or square pole sections in four or six foot lengths.

Each kit contains the following items:

1 Pruner Head Assembly - 2'

4 Extension Sections with 1 Base Cap

1 Universal Pruning Saw (A11000)

1 Saw Handle (A10016)

1 Saw Scabbard (A30007)

1 Universal Adapter (A10012)

1 Universal "S" Hook for pushing or pulling tree limbs (P10046)

1 Multiple Pocket Vinyl Tool Bag (01-020)



4141

ROUND POLES 1 1/4" DIAMETER			SQUARE POLES 1 1/4"		
LENGTH OF SECTIONS	CAT NO	LBS	LENGTH OF SECTIONS	CAT NO	LBS
4'	4141	15	4'	4143	15
6'	4142	19	6'	4144	19

TREE TRIMMERS

Tree Trimming Equipment for the professional tree trimmer.

FEATURES AND BENEFITS:

- Two styles available 1 1/4" O.D. Round and 1 1/4" Square fiberglass poles
- Cutter heads are machined from drop forged steel and have a 1 1/2" diameter cutting capability
- All Cutter heads have a splined universal attachment for a pruning saw
- Double pulleys give the operator a 3-1 mechanical advantage
- Can be used with Pruner Rope Insulator for additional protection near high voltage lines (See Page 124)

SECTIONAL TREE TRIMMERS - ROUND POLES						
	CUTTER HEAD		EXTENSION		BASE	
FT	CAT NO	LBS	CAT NO	LBS	CAT NO	LBS
1	4200	2.0	-----	-----	-----	-----
2	4125	3.2	-----	-----	-----	-----
4	4201	3.9	546-4	1.4	552-4	1.5
6	4202	4.6	546-6	2.1	552-6	2.0
8	4203	5.4	546-8	2.8	552-8	2.7
10	4204	6.1	546-10	3.2	552-10	3.5

SECTIONAL TREE TRIMMERS - SQUARE POLES						
	CUTTER HEAD		EXTENSION		BASE	
FT	CAT NO	LBS	CAT NO	LBS	CAT NO	LBS
1	4210	2.0	-----	-----	-----	-----
2	4211	2.4	-----	-----	-----	-----
4	4212	3.2	4104	1.5	4104-2	1.6
6	4213	3.9	4106	2.2	4106-2	2.3
8	4214	4.7	4108	3.0	4108-2	3.1

POLE PRUNING SAW WITH ADAPTERS					
FOR 1 1/4" DIAMETER ROUND POLES			FOR 1 1/4" SQUARE POLES		
CAT NO	LBS		CAT NO	LBS	
4056	1.75		4040	1.5	

UNIVERSAL ADAPTER		
CAT NO	DESCRIPTION	LBS
A10012	UNIVERSAL ADAPTER FOR ROUND POLE	0.4
A10031	UNIVERSAL ADAPTER FOR SQUARE POLE	0.5

SINGLE POLE TREE TRIMMERS					
ROUND POLES			SQUARE POLES		
FT	CAT NO	LBS	FT	CAT NO	LBS
10	4117	5.0	10	4150	5.0
12	4119	6.0	12	4151	5.5
14	4121	6.5	14	4152	6.5
16	4123	7.0	16	4153	7.0



HAND OPERATED RATCHET CUTTERS

- Lightweight ratchet type cutters for cutting aluminum and copper cables
- Two models available, one for soft wire (11-112) and one for ACSR (11-014)
- Cutter jaws completely surround conductor, which eliminates cutter blade distortion
- Release lever allows cutter jaws to be opened at any time
- Handles are plastic dipped for comfort and a non-slip grip
- Compact size allows cutter to be used under close working conditions
- Overall length is 10 inches
- Note: 11-112 not designed for use on ACSR conductors

CAT NO	MAXIMUM CAPACITY BARE ALUMINUM WIRE	MAXIMUM CAPACITY BARE COPPER WIRE	LBS
11-112	600 MCM	600 MCM	1.6
11-014	336 ACSR / 500 MCM	350 MCM	1.3



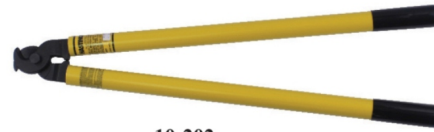
EMERGENCY / UNIVERSAL WIRE CUTTER

- Designed to facilitate cutting hot wires in emergency conditions
- Extended nose allows the user to easily capture the conductor when using the cutter on long telescoping sticks
- Longer lever arm reduces pulling requirement on the rope
- Shear type cutter blade ensures a clean cut without distorting the wire strands
- Cutting head is mounted on 12" fiberglass shaft with universal head
- Cuts wire up to and including 9/16" O.D.
- Double pulley action requires less cutting force than single pulley cutters
- Note: O.D. includes insulation
- Note: Due to the pull required on the rope fall line, it is recommended for 1/0 ACSR
- Can be used with Pruner Rope Insulator for additional protection near high voltage lines (See Page 124)

CAT NO	DESCRIPTION	LBS
4186	CUTTER WITH 25' OF 1/4" POLYPROPYLENE ROPE	4.6
4187	SAME AS 4186 EXCEPT FURNISHED WITH A 12" FIBERGLASS LINK INSTALLED	4.8
4188	SAME AS 4186 EXCEPT FURNISHED WITH A 34" FIBERGLASS LINK INSTALLED	5.0

ACSR CABLE CUTTER WITH INSULATED FIBERGLASS HANDLES

- For cutting ACSR Cable, Soft Wire, Hard Wire
- Replaceable fiberglass handles with blade
- Handles filled with unicellular foam core
- Smooth shear action cutter assures easy installation of splicing sleeves
- Handle length 27", Overall length 31"



10-202

CAT NO	DESCRIPTION	ACSR CABLE	COPPER CABLE	ALUMINUM CABLE	LBS
10-202	COMPLETE CUTTER	5/8" DIAMETER 336.4	5/8" DIAMETER 350 MCM	1" DIAMETER 750 MCM	6.0
10-203	REPLACEMENT HANDLE WITH BLADE				3.0
01-4003	CARRY CASE				0.45

CUTTER HEADS

- A11056 for soft wire - 1000 MCM Aluminum / 500 MCM Copper
- A11055 for ACSR to 666-24/7 strand

INSULATED RATCHET CUTTERS

- For cutting ACSR and Soft Wire conductors
- Powerful lightweight ratchet cutter
- Cutting heads are interchangeable
- Operates in any position
- Handle folds to store in 6" canister
- Upper roller minimizes shaft deflection
- Parts are standardized for easy replacement
- Insulated fiberglass shaft and operating rod for maximum safety and durability
- Overhead - Provides cleans cuts for splicing conductors
- Underground - Operates in a 5" wide trench

RATCHET CUTTER COMPLETE WITH A11055 ACSR HEAD			RATCHET CUTTER COMPLETE WITH A11056 SOFT WIRE CUTTER HEAD		
FT	CAT NO	LBS	CAT NO	LBS	CASE
5	11-005	9.0	11-015	9.0	01-005
6	11-006	10.0	11-016	9.8	01-006
8	11-008	10.6	11-018	10.7	01-008
10	11-010	11.5	11-020	11.6	01-010



A11056

A11055

CUSTOM GROUNDING CUTTER

- This is an excellent tool for cutting URD cable and having the cutter head grounded.
- For Custom Build - Contact factory with the length of the cutter, the length of the cable, and the grounding clamp for a part number.

CUSTOM BUILD

11-006

LEVER HANDLE WIRE CUTTER

- Three cutter jaws available
- Light Duty - Tie wires up to 1/0 ACSR
- Heavy Duty - For ACSR up to 4/0 18/1
- Super Duty - For ACSR up to 336.4 18/1

CAT NO	STICK SIZE	DESCRIPTION	CUTTING CAPACITY	LBS	CASE
11-055	1 1/4" x 5'	LIGHT DUTY CUTTER	1/0 ACSR	7.5	7220-5
11-056	1 1/4" x 6'	LIGHT DUTY CUTTER	1/0 ACSR	8.5	7220-6
A11035		REPLACEMENT HEAD FOR LIGHT DUTY CUTTER	1/0 ACSR	1.2	
10672	1 1/2" x 5'	HEAVY DUTY CUTTER	4/0 ACSR	8.5	7220-5
9927	1 1/2" x 6'	HEAVY DUTY CUTTER	4/0 ACSR	9.5	7220-6
9927-8	1 1/2" x 8'	HEAVY DUTY CUTTER	4/0 ACSR	11.5	7220-8
A11033		REPLACEMENT HEAD FOR HEAVY DUTY CUTTER	4/0 ACSR	1.8	
11441	1 1/2" x 5'	SUPER DUTY CUTTER	336.4 ACSR	11.0	7220-5
11440	1 1/2" x 6'	SUPER DUTY CUTTER	336.4 ACSR	12.0	7220-6
11440-8	1 1/2" x 8'	SUPER DUTY CUTTER	336.4 ACSR	14.0	7220-8
A11038		REPLACEMENT HEAD FOR SUPER DUTY CUTTER	336.4 ACSR	3.5	



1961-2

HOT PLIER HANDLES

- Turn your pliers into hot cutters
- Does not include the pliers

CAT NO	DESCRIPTION	LBS
1961-2	HANDLES ONLY 1 1/4" x 4'	4.3

LEVER HANDLE COMPRESSION TOOL

- Designed for live line crimping of sleeves and connectors
- 1 1/2" Diameter

CAT NO	CRIMP HEAD STYLE DESCRIPTION	FT	LBS	CASE
12591	UTILIZES KEARNEY 0-51, 0-52, 053 DIES ALSO ACCEPTS BLACKBURN OD-58 DIES	5	10.0	7220-5
12592	UTILIZES KEARNEY 0-51, 0-52, 053 DIES ALSO ACCEPTS BLACKBURN OD-58 DIES	6	10.5	7220-6
12593	UTILIZES BURNDY AND HUSKIE TOOL "W" DIES HEAD ALSO HAS A FIXED 5/8" NOSE DIE	5	10.0	7220-5
12594	UTILIZES BURNDY AND HUSKIE TOOL "W" DIES HEAD ALSO HAS A FIXED 5/8" NOSE DIE	6	10.5	7220-6



11-056

12591

HOT STICK FOR HUSKIE AND GREENLEE IN-LINE BATTERY TOOLS

- Battery tool installs quickly and easily on stick.
- 6' and 8' lengths.
- For overhead and underground use.
- Battery tool can be used in multiple positions with universal head 0, 30, 60, and 90 degrees.
- Simply push lever to activate tool.
- Pull to release.
- For use on voltages up to 69KV.
- Fiberglass stick is tested at 100KV per foot.
- Weights shown below are for the stick only and do not include the battery tool.
- Huskie and Greenlee tools shown are not included.

CAT NO	DESCRIPTION	LBS
1256-H	6' HOT STICK FOR HUSKIE TOOL	4.3
1258-H	8' HOT STICK FOR HUSKIE TOOL	5.0
1256-G	6' HOT STICK FOR GREENLEE TOOL	4.3
1258-G	8' HOT STICK HOT GREENLEE TOOL	5.0



1256-G

90 DEGREE TRAVEL
(0, 30, 60, 90 DEGREES)



1256-H

CAMERA MOUNTING INSULATED HOT STICK

- Modeled after the HASTINGS Tel-O-Pole series, this specially engineered hot stick allows for a GoPro™ Action Camera to be mounted and utilized for quick, easy, and safe inspection of and around energized lines, transformers, insulators, poles, buildings, bridges etc.
- Utility workers can use the camera to wirelessly stream and record live picture and video to the ground with any iPhone, tablet or android device compatible with the GoPro Application. The hot stick may even allow inspections to be completed without the use of a bucket truck, lift, or climbing gear.
- Lightweight
- Fiber Glass Stick Tested at 100,000 volts per foot
- Camera Assembly Tested up to 40,000 volts
- Extended 30' / Retracted 63.5"
- The camera mount adapter can be used in any position and is included with the R-30-G
- The Clamp Claw Mount, sold separately, clamps to any hot stick.
- Camera Light, sold separately can be used on Camera Mounting Insulated Stick or the Clamp Claw Mount.
- Smart Phone Mount, sold separately, has adjustable strap to fit on most hot sticks.

*GoPro™
Action Camera
Not Included



10-150



A30413

Clamp Claw Mount, Camera Light,
and GoPro Camera mounted together.



A30414



CAT NO	DESCRIPTION	LBS
R-30-G	CAMERA MOUNTING INSULATED HOT STICK	4.9
A30413	SMART PHONE MOUNT	0.3
A30414	CLAMP CLAW MOUNT	0.6
10-150	CAMERA LIGHT	0.3
C-35	CARRY CASE	0.7

R-30-G



*Smart Phone Not Included
Smart Phone Mount Sold Separately

DISCONNECT HEAD

- High strength bronze alloy to fit to your existing sticks

CAT NO	DESCRIPTION	LBS
P10037-R	FITS 1 1/4" DIAMETER STICKS	0.6
P10038-R	FITS 1 1/2" DIAMETER STICKS	0.8

SWITCH HEAD

- High strength bronze alloy to fit to your existing sticks

CAT NO	DESCRIPTION	LBS
P10036-R	FITS 1 1/4" DIAMETER STICKS	0.5

UNIVERSAL HEAD - SPLINED

- Fits all 1 1/4" or 1 1/2" diameter sticks.
- Allows stick to be used with all universal type tools

CAT NO	DESCRIPTION	LBS
A10017-R	FITS 1 1/4" DIAMETER STICKS	0.4
A10018-R	FITS 1 1/2" DIAMETER STICKS	0.5

OUTDOOR DISCONNECT HEAD

- Heavy duty aluminum alloy
- Adaptable to all universal type heads
- Also available in bronze alloy

CAT NO	DESCRIPTION	LBS
P10041	DISCONNECT HEAD	0.3
P10166	HEAVY DUTY DISCONNECT HEAD - BRONZE	0.7

UNIVERSAL LINE MATERIAL FUSE TUBE SOCKET DISCONNECT

- Fits the lift out plate on type OD and RDO line cut-outs

CAT NO	DESCRIPTION	LBS
5455-60	UNIVERSAL LINE MATERIAL FUSE TUBE SOCKET DISCONNECT	0.4

UNIVERSAL CUTOUT PRONG

- Light duty, general purpose head
- Use in refusing cutouts

CAT NO	DESCRIPTION	LBS
P10043	UNIVERSAL NEMA CUTOUT PRONG	0.4



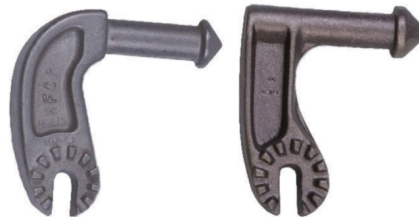
P10037-R



P10036-R



A10017-R



P10041



P10166



5455-60



P10043



P10431

A10400



P10459



P10046



P10047



A10042

A10111



10-146



P10049

5455-10

UNIVERSAL DISCONNECT HOOK

- For opening and closing switches
- Also available in High Visibility Fluorescent Yellow

CAT NO	DESCRIPTION	LBS
P10431	UNIVERSAL DISCONNECT HOOK	0.3
A10400	FLUORESCENT UNIVERSAL DISCONNECT HOOK	0.3
P10459	EXTRA LONG 4.75" UNIVERSAL DISCONNECT HOOK	0.5

UNIVERSAL S HOOK

- For handling fallen wires, removing debris from lines
- For pushing or pulling tree limbs
- Made of bronze

CAT NO	DESCRIPTION	LBS
P10046	UNIVERSAL S HOOK	0.3

UNIVERSAL POINTED DISCONNECT

- Used on southern states cutouts
- Made of aluminum alloy

CAT NO	DESCRIPTION	LBS
P10047	UNIVERSAL POINTED DISCONNECT	0.4

UNIVERSAL PIGTAIL DISCONNECT

- Gives positive engagement when pulling disconnects and cutouts
- Made of bronze
- Also available in High Visibility Fluorescent Yellow

CAT NO	DESCRIPTION	LBS
A10042	UNIVERSAL PIGTAIL DISCONNECT	0.6
A10111	FLUORESCENT PIGTAIL DISCONNECT	0.6

UNIVERSAL JAY PRONG DISCONNECT

- Used to open and close disconnects and cutouts
- Made of bronze

CAT NO	DESCRIPTION	LBS
10-146	UNIVERSAL JAY PRONG	0.3

UNIVERSAL PRONG DISCONNECT

- Used to open and close disconnects and cutouts
- Made of bronze

CAT NO	DESCRIPTION	LBS
P10049	UNIVERSAL PRONG DISCONNECT	0.3

UNIVERSAL CHUCK BLANK

- Inside dimensions 5/8" diameter x 1 1/2" deep
- Adapts specialized tools to hot sticks

CAT NO	DESCRIPTION	LBS
5455-10	UNIVERSAL CHUCK BLANK	0.3

UNIVERSAL ROTARY PRONG TIE STICK HEAD

- Prong is self aligning, swivels freely
- Use for looped end tie wire

CAT NO	DESCRIPTION	LBS
A10020	UNIVERSAL ROTARY PRONG TIE STICK HEAD	0.3

UNIVERSAL ROTARY BLADE TIE STICK HEAD

- Blade has self aligning swivel action for removal of ties without looped ends

CAT NO	DESCRIPTION	LBS
A10021	UNIVERSAL ROTARY BLADE TIE STICK HEAD	0.4

CLAMP STICK HEAD

- Use with universal sticks to install and remove hot line clamps
- A quarter turn rotating cap locks tool on screw eye

CAT NO	DESCRIPTION	LBS
A10022	CLAMP STICK HEAD	0.8

UNIVERSAL PRONG TIE HEAD

- Used for looped end tie wires

CAT NO	DESCRIPTION	LBS
P10055	UNIVERSAL PRONG TIE HEAD	0.5

UNIVERSAL BLADE TIE HEAD

- Good for tie wires without looped ends

CAT NO	DESCRIPTION	LBS
P10056	UNIVERSAL BLADE TIE HEAD	0.6

UNIVERSAL WIRE TONG HEAD

- Wire tong head for light work such as holding jumpers clear of work area
- Maximum conductor 1 3/8" diameter

CAT NO	DESCRIPTION	LBS
A10023	UNIVERSAL WIRE TONG HEAD	0.3

SHOTGUN UNIVERSAL TOOL ADAPTER

- Adapts shot gun stick to all universal attachments
- Can be used with all major brand tools
- Bronze alloy

CAT NO	DESCRIPTION	LBS
A10019	SHOTGUN UNIVERSAL TOOL ADAPTER	0.5



HOT STICK HANGER

- Bronze hook and stainless steel clamp
- Attaches to 1 1/4" and 1 1/2 diameter sticks

CAT NO	DESCRIPTION	LBS
A10009	HOT STICK HANGER	0.2

URETHANE HANGER HOOK

- Dielectric hook attaches to 1 1/4" and 1 1/2" diameter sticks
- Comes with stainless steel clamp

CAT NO	DESCRIPTION	LBS
10-151-2	URETHANE HANGER HOOK	1.0

TIE WIRE ASSISTANT

- Fits 1 1/4" or 1 1/2" diameter universal and tie sticks
- An aid for removing tie wires
- Also used as a tool hanger
- Complete with stainless steel clamps

CAT NO	DESCRIPTION	LBS
A30152	TIE WIRE ASSISTANT	1.0

UNIVERSAL MIRROR

- Used for inspecting the back side of bell insulator strings
- Dimensions are 5 1/2" x 8 1/2"
- Rubber rimmed with ball swivel adjustment

CAT NO	DESCRIPTION	LBS
9785	UNIVERSAL MIRROR	1.4

HOT STICK HAND GUARD

- For use on all sticks, including shotgun clamp sticks
- Molded from non-conductive plastic
- Split sleeve design for quick attachments and adjustments
- Red color for safety is molded throughout, will not chip or peel

CAT NO	DESCRIPTION	LBS
A30002	HOT STICK HAND GUARD FOR 1 1/4" DIAMETER STICK	0.3
A30003	HOT STICK HAND GUARD FOR 1 1/2" DIAMETER STICK	0.3
A30004	HOT STICK HAND GUARD FOR 1 3/4" DIAMETER STICK	0.3
A30005	HOT STICK HAND GUARD FOR 2" DIAMETER STICK	0.3

ARMOR ROD APPLICATOR

- Designed to facilitate application and removal of factory formed conductor ties and armor rods

CAT NO	DESCRIPTION	LBS
10-096	ARMOR ROD APPLICATOR	0.6



10-096

UNIVERSAL COTTER KEY INSTALLER-PULLER

- Used for 1/8 cotter keys in clevis pins of distribution hardware

CAT NO	DESCRIPTION	LBS
12425	UNIVERSAL COTTER KEY INSTALLER-PULLER	0.5



12425

UNIVERSAL COTTER KEY PULLER

- Used for removal of cotter keys on ball socket and clevis type suspension insulators and hardware
- Adjustable for compound angles

CAT NO	DESCRIPTION	LBS
5455-8	UNIVERSAL COTTER KEY PULLER	0.5



5455-8

UNIVERSAL COTTER KEY INSTALLER-PULLER

- Used for 3/16" cotter keys on clevis type fittings
- Spring loaded

CAT NO	DESCRIPTION	LBS
5455-21	UNIVERSAL COTTER KEY INSTALLER-PULLER	0.8



5455-21

UNIVERSAL NX FUSE PULLER DISCONNECT HEAD

- Used for removing and installing NX sand fuses on URD switch gear

CAT NO	DESCRIPTION	LBS
13489	UNIVERSAL NX FUSE PULLER DISCONNECT HEAD	0.3

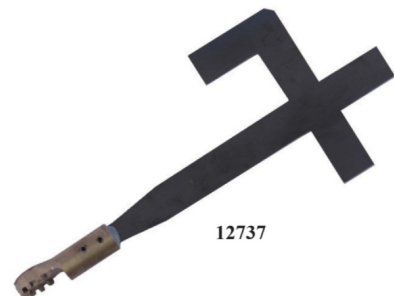


13489

UNIVERSAL COTTER KEY PUSHER

- Used for transmission insulator strings
- Pushes legs on cotter key partially out of socket so ball can be disconnected
- Slot can face to either side or rear

CAT NO	DESCRIPTION	LBS
12737	UNIVERSAL COTTER KEY PUSHER	1.1



12737



5455-2

UNIVERSAL BOLT HOLDER

- Used for replacing pins on clevis type hardware
- Jaw is spring loaded

CAT NO	DESCRIPTION	LBS
5455-2	UNIVERSAL BOLT HOLDER	1.5



5455-15

UNIVERSAL LOCATING PIN

- Used to align joints and holes on clevis type suspension insulators and hardware

CAT NO	DESCRIPTION	LBS
5455-15	UNIVERSAL LOCATING PIN	0.5



5454-2

UNIVERSAL BALL SOCKET FORK

- Used to align and hold ball socket fittings for removal of cotter pin

CAT NO	DESCRIPTION	LBS
5454-2	UNIVERSAL BALL SOCKET FORK	0.6



5455-29

UNIVERSAL BALL SOCKET ADJUSTER

- Used to support and align ball socket adapter between ball fitting on disc insulator and clevis fitting on suspension or strain clamp

CAT NO	DESCRIPTION	LBS
5455-29	UNIVERSAL BALL SOCKET ADJUSTER	0.9



5454-6

UNIVERSAL 90 DEGREE ADAPTER

- When mounted on universal sticks, this adapter will allow fittings to be set at almost any angle

CAT NO	DESCRIPTION	LBS
5454-6	UNIVERSAL 90 DEGREE ADAPTER	0.4



5454-5

UNIVERSAL CRESCENT SKINNING KNIFE

- Used to skin conductors before installing hot line clamps and connections
- Replaceable blades

CAT NO	DESCRIPTION	LBS
5454-5	UNIVERSAL CRESCENT SKINNING KNIFE	1.0
1-08402	REPLACEMENT BLADE	0.1

UNIVERSAL SOCKET WRENCH

- 1/2" square drive
- Used with standard wrench sockets

CAT NO	DESCRIPTION	LBS
5455-46	UNIVERSAL SOCKET WRENCH	0.8



5455-46

UNIVERSAL BOLT HEAD WRENCH

- Used to tighten through bolts
- Head wedges against bolt head to keep it from turning

CAT NO	DESCRIPTION	LBS
5455-74	UNIVERSAL BOLT HEAD WRENCH	0.9



5455-74

UNIVERSAL INSULATOR FORK

- Clamps around 10" disc insulators between porcelain and cap to remove single unit or hold insulator in alignment as cotter key is replaced

CAT NO	DESCRIPTION	LBS
5455-1	UNIVERSAL INSULATOR FORK	3.3

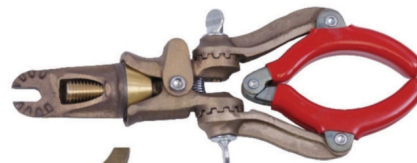


5455-1

UNIVERSAL INSULATOR CONTROLLER

- Grips cap of suspension insulator to aid in controlling aligning, etc.
- Jaws are adjustable for various angles

CAT NO	DESCRIPTION	LBS
5455-35	UNIVERSAL INSULATOR CONTROLLER	3.4

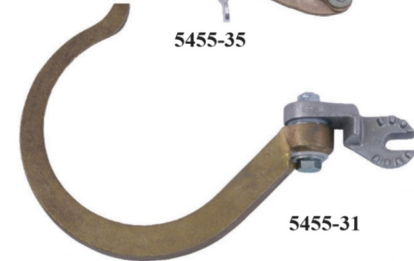


5455-35

UNIVERSAL SHEPHERD HOOK

- Fits around caps of suspension insulators to aid in controlling strain or suspension strings being removed

CAT NO	DESCRIPTION	LBS
5455-31	UNIVERSAL SHEPHERD HOOK	2.3



5455-31

HAMMER HEAD WRENCH

- Jaw opens to 1 3/4" wide
- Wrench is 12" long

CAT NO	DESCRIPTION	LBS
10-312	HAMMER HEAD WRENCH WITH SLIP FIT FOAM RUBBER GRIP HANDLE	2.0
10-312-1	HAMMER HEAD WRENCH WITH URETHANE DIPPED HANDLE	2.0



10-312

CONDUCTOR CLEANING BRUSHES

- All brushes have stainless steel bristles to allow the cleanest connection possible
- Stainless steel eliminates rust deterioration of bristles
- Compact "U" type brushes for tight clearances and easy storage
- "V" brush can be used for all conductor cleaning requirements, can be used with shotgun sticks



10-175



10-184



10-176



10-178



10-180

STANDARD "U" BRUSH		
CAT NO	WIRE RANGE / DESCRIPTION	LBS
10-175	8 SOL 500 MCM	0.3
10-183	8 SOL 954 ACSR	0.4

COMPACT "U" BRUSH		
CAT NO	WIRE RANGE / DESCRIPTION	LBS
10-184	8 SOL 500 MCM	0.2
10-185	8 SOL 954 ACSR	0.2

UNIVERSAL "U" BRUSH		
CAT NO	WIRE RANGE / DESCRIPTION	LBS
10-176	8 SOL 500 MCM	0.7
10-186	8 SOL 954 ACSR	0.7
10-177	REPLACEMENT BRUSH FOR 10-176	0.2
10-187	REPLACEMENT BRUSH FOR 10-186	0.2

"V" BRUSH		
CAT NO	DESCRIPTION	LBS
10-178	V-BRUSH	0.5
10-179	CARTON OF 10 REPLACEMENT BRUSHES	1.9

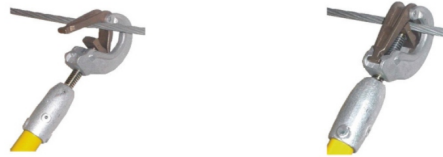
UNIVERSAL "V" BRUSH		
CAT NO	DESCRIPTION	LBS
10-180	UNIVERSAL V-BRUSH	0.5
10-179	CARTON OF 10 REPLACEMENT BRUSHES	1.9

WIRE TONGS

Wire tongs are usually used in pairs with supporting accessories to support and move energized conductors away from the work area for replacement of insulators, cross arms, poles and hardware.

FEATURES AND BENEFITS:

- Metal components are heat treated aluminum alloy or bronze alloy
- Conductor jaws are interlocking to keep conductor positively engaged
- Two conductor head sizes are available to accommodate a wide range of conductor sizes
- Acme threads facilitate tightening of head



Medium head has spring loaded latch which makes installation of wire tong safe and easy. The weight of the tool closes the latch on the conductor. The wire tong is then tightened to secure conductor into position.



MEDIUM HEAD 3/16" TO 2" WIRE			LARGE HEAD 5/8" TO 2 1/2" WIRE		
CAT NO	SIZE	LBS	CAT NO	SIZE	LBS
5679-8	1 1/2" x 8'10"	5.5	5315-8	1 1/2" x 8'10"	7.0
5679-10	1 1/2" x 10'10"	6.3	5315-10	1 1/2" x 10'10"	7.8
5671-8	2" x 8'10"	7.5	5320-8	2" x 8'10"	9.0
5671-10	2" x 10'10"	8.5	5320-10	2" x 10'10"	10.0
5671-12	2" x 12'10"	9.6	5320-12	2" x 12'10"	12.1
5672-10	2 1/2" x 10'10"	14.4	5325-10	2 1/2" x 10'10"	15.9
5672-12	2 1/2" x 12'10"	16.1	5325-12	2 1/2" x 12'10"	17.6
5672-14	2 1/2" x 14'10"	18.1	5325-14	2 1/2" x 14'10"	19.6
5672-16S*	2 1/2" x 16'10"	22.3	-----	-----	-----
5673-12	3" x 12'10"	20.2	5330-12	3" x 12'10"	21.7
5673-14	3" x 14'10"	22.7	5330-14	3" x 14'10"	24.2
*POLE IS DESIGNED WITH METAL SPLICE IN CENTER					



5745-15



9723



5740-2

SADDLE EXTENSION

- Attaches to Pole Saddle for additional 4 inches of clearance
- Made from heat treated aluminum alloy



5747

CAT NO	DESCRIPTION	LBS
5747	SADDLE EXTENSION	1.0

POLE TYPE SADDLES

- Saddle is made from heat treated aluminum alloy materials
- Chain tightener is spring loaded for easy installation and removal
- Pole clamps are made from bronze alloy with large wing nut for easy operation

CAT NO	DESCRIPTION	LBS
5745-15	SADDLE WITH 1 1/2" POLE CLAMP	9.3
5745-20	SADDLE WITH 2" POLE CLAMP	9.5
5745-25	SADDLE WITH 2 1/2" POLE CLAMP	10.3
5745-30	SADDLE WITH 3" POLE CLAMP	9.9
5745	SADDLE BASE ONLY - NO POLE CLAMP	8.4

CROSS ARM TYPE SADDLES

- Saddle is made from heat treated aluminum alloy materials
- Pole clamps are made from bronze alloy with large wing nut
- Slotted base - bolts and wing nut are captive for easy installation and removal
- Fits crossarms 4 1/4" - 5 1/4" high x 2 3/4" - 4 1/4" wide

CAT NO	DESCRIPTION	LBS
9723	SADDLE WITH 1 1/2" POLE CLAMP	6.8
9724	SADDLE WITH 2" POLE CLAMP	7.0
9725	SADDLE WITH 2 1/2" POLE CLAMP	7.5
9722	SADDLE BASE ONLY - NO POLE CLAMP	3.5

TOWER TYPE SADDLES

- Saddle is made from bronze alloy materials
- Pole clamps are made from bronze alloy material with large wing nut for easy installation and removal
- Fits steel angles 2 1/2" x 2 1/2" to 6" x 6"

CAT NO	DESCRIPTION	LBS
5740-2	SADDLE WITH 1 1/2" POLE CLAMP	8.4
5740-13	SADDLE WITH 2" POLE CLAMP	8.9
5740-14	SADDLE WITH 2 1/2" POLE CLAMP	9.6
5740-19	SADDLE WITH 3" POLE CLAMP	10.6
12265	SADDLE BASE ONLY - NO POLE CLAMP	7.5



5746-15

POLE CLAMPS ONLY		
CAT NO	DESCRIPTION	LBS
5746-15	1 1/2" POLE CLAMP ONLY	1.8
5746-20	2" POLE CLAMP ONLY	2.0
5746-25	2 1/2" POLE CLAMP ONLY	2.3
5746-30	3" POLE CLAMP ONLY	2.6

WIRE TONG BAND

- When installed on larger diameter wire tongs, rope blocks can be used for raising and lowering conductors

CAT NO	DESCRIPTION	LBS
1829	BAND FOR 2" O.D. WIRE TONGS	1.8
1829-1	BAND FOR 2 1/2" O.D. WIRE TONGS	2.1
1829-2	BAND FOR 3" O.D. WIRE TONGS	2.9

WIRE TONG BLOCKS CLAMP

- When installed on wire tongs, rope blocks can be used for controlling conductors. Pulling in tension.

CAT NO	DESCRIPTION	LBS
5748-15	CLAMP FOR 1 1/2" O.D. WIRE TONG	2.2
5748-16	CLAMP FOR 2" O.D. WIRE TONG	2.6
5748-17	CLAMP FOR 2 1/2" O.D. WIRE TONG	3.0

WIRE TONG STIRRUP

- Head of wire tong can be installed in stirrup to help aid in rigging and lifting of wire tong

CAT NO	DESCRIPTION	LBS
1851	STIRRUP FOR 2" O.D. WIRE TONG	2.2
1851-1	STIRRUP FOR 2 1/2" O.D. WIRE TONG	2.3

ROPE SNUBBING BRACKET

- A rope snubbing bracket is used to terminate block fall lines and hold blocks in proper position. Complete with chain tightener.

CAT NO	DESCRIPTION	LBS
1945	ROPE SNUBBING BRACKET	6.0

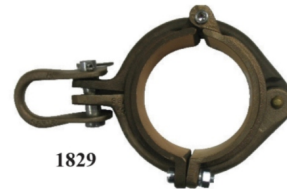
WIRE TONG SNUB BRACKET

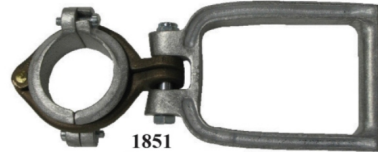
- A wire tong snubbing bracket provides a stationary base for wire tongs and auxiliary arms. Complete with chain tightener.

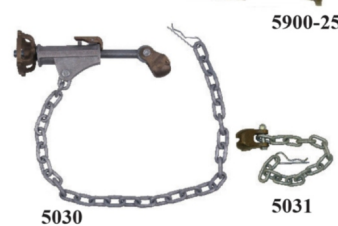
CAT NO	DESCRIPTION	LBS
5900-25	WIRE TONG SNUB BRACKET	6.9

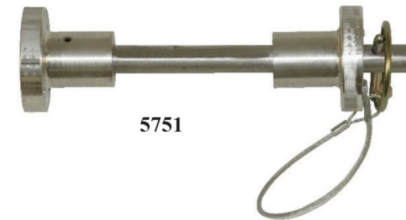
CHAIN TIGHTENER / CHAIN EXTENSION

CAT NO	DESCRIPTION	LOAD LIMIT	LBS
5030	CHAIN TIGHTENER WITH 36" CHAIN AND SPRING LOADED TAKE-UP	2500 lbs.	5.5
5031	CHAIN EXTENSION 18" WITH KEEPER AND SAFETY PIN	2500 lbs.	2.5


1829

5748-17

1851

1945

5900-25
5030
5031

5750-1

5751

5749
INSULATED WIRE TONG LEVER LIFT

- The insulated lever lift can be used to support and lift heavy conductors
- Available in 3 lengths
- Use of insulated lever lifts provides isolation from ground potential
- Accepts all wire tongs

CAT NO	DESCRIPTION	LBS
5750-1	LEVER LIFT WITH 12" FIBERGLASS	14.9
5750-2	LEVER LIFT WITH 24" FIBERGLASS	15.7
5750-3	LEVER LIFT WITH 36" FIBERGLASS	16.5

DOUBLE WIRE TONG ADAPTER

- Double wire tong adapter allows two wire tongs to support and/or lift conductors with insulated lever lifts (See above for lever lift)

CAT NO	DESCRIPTION	LBS
5751	DOUBLE TONG ADAPTER	1.5

SINGLE / DOUBLE WIRE TONG LEVER LIFT

- Single / Double Wire Tong Lever Lift allows use of either one or two wire tongs
- Spring loaded chain tightener for easy installation and removal
- Made from high strength heat treated aluminum alloy

CAT NO	DESCRIPTION	LBS
5749	LEVER LIFT - 12"	13.0

STRAIN LINK STICK

- Strain link sticks are used to support conductors and isolate rope blocks and hoists from energized conductors. Used in conjunction with rope blocks or hoists, they are capable of handling heavy conductors.
- Metal components are made with heat treated aluminum alloy or bronze alloy. Eye screws are plated steel
- All strain link sticks have ball bearing eye swivels

CAT NO	FIBERGLASS DIAMETER AND LENGTH	OVERALL LENGTH	MAXIMUM WIRE SIZE	LOAD LIMIT	LBS
5708-3	1 1/4" x 2'	3'	1.38"	3000 lbs.	4.5
5708-4	1 1/4" x 4'	5'	1.38"	3000 lbs.	5.2
5709-4	1 1/2" x 4'	5'	1.38"	4000 lbs.	5.7
5710-2	1 1/2" x 4'	5'	1.75"	4000 lbs.	6.3
5710-3	1 1/2" x 6'	7'	1.75"	4000 lbs.	7.6
5715-6	1 1/2" x 6'	7'4"	2.5"	4000 lbs.	10.5
5715-8	1 1/2" x 8'	9'4"	2.5"	4000 lbs.	11.8
5720-6	2" x 6'	7'4"	2.5"	5000 lbs.	12.5
5720-8	2" x 8'	9'4"	2.5"	5000 lbs.	13.8

ROLLER LINK STICK

- Roller link sticks are used to spread and hold conductors apart for mid span clearances by attaching tag lines to the butt swivel ring
- Inside head dimensions are 2 1/4" x 2 1/4" allowing the link stick to roll easily over line splices
- Head, ferrules and roller are aluminum alloy. Eye swivel material is bronze alloy.
- Fiberglass pole diameter is 1 1/4"
- Maximum wire size 1 1/4"
- Load limit 1000 lbs.

CAT NO	LENGTH OF FIBERGLASS	OVERALL LENGTH	LBS
9466	2'	3'6"	4.0
9467	4'	5'6"	4.7
9468	6'	7'6"	5.4

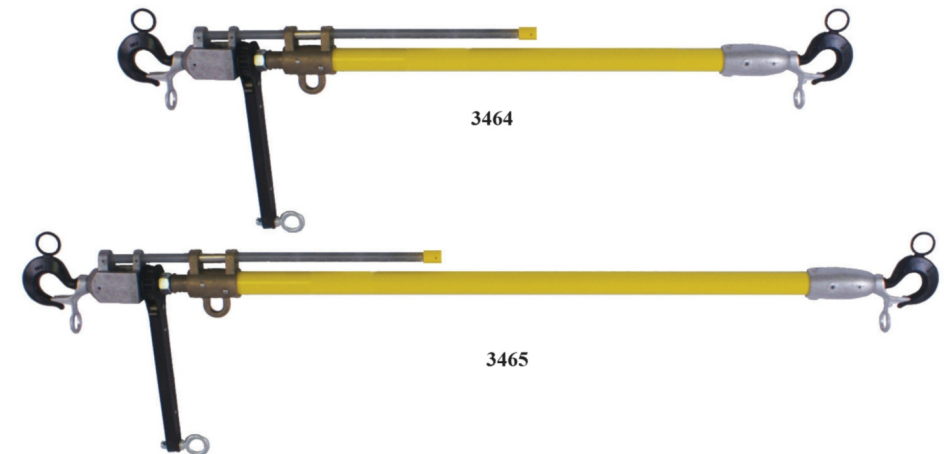
SPIRAL LINK STICK

- The spiral link stick is designed to isolate rope lines, hoists and rope blocks. It is used to provide insulation between energized conductors and pulling devices which might be attached to a different potential.
- One piece 1" O.D. fiberglass stick
- Easy to apply, can be installed with hot line tools by use of the attached lifting eye
- Spiral hook is made from high strength, heat treated steel
- Load limit 2000 lbs.
- Maximum wire size is 795 ACSR

CAT NO	LENGTH OF FIBERGLASS	OVERALL LENGTH	LBS
3480	12"	24"	2.9
3481	24"	36"	3.3
3482	36"	48"	3.7
3483	48"	60"	4.1


CONDUCTOR TENSION TOOL

- The conductor tension tool is an excellent tool for both hot stick and rubber gloving applications
- It can be used for temporarily isolating sections of lines, changing out dead end insulators and line splicing
- Load limit 4,000 lbs.
- Tension tool can be installed and operated using hot sticks
- Two models available
- Conductor hooks have hot stick eyes and hot stick operable safety latches. Hooks are stationary.
- Metal components are heat treated aluminum alloy or bronze alloy



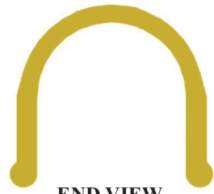
CAT NO	DESCRIPTION	WORKING RANGE	MAXIMUM TAKE UP	LENGTH STORED	LENGTH EXTENDED	LBS
3464	35 KV TENSIONING TOOL	62" TO 74"	12"	64"	76"	12.0
3465	69 KV TENSIONING TOOL	72" TO 84"	12"	74"	86"	12.5
01-3464	STORAGE CASE FOR 3464					1.5
01-3465	STORAGE CASE FOR 3465					2.0

SUPER "U" ARM EXTENSIONS

- The Super "U" Arm is designed with a profile "U" shape for greater strength and durability. The many features and benefits of the Super "U" Arm make it the best and most cost effective extension arm available for replacing conductors and insulators.
- All arms include insulated conductor holders to insure dielectric integrity. Arms are rated for 34.5KV phase-to-phase work applications.
- Arms with the standard conductor holder will accept conductors up to 1 1/16" O.D. or up to 800 MCM.
- Arms with large capacity conductor holder, can accommodate a conductor inside a line hose. The gate latch on the large capacity holder has an opening of 2 5/8".
- The Super "U" design is stronger than the traditional style round extension arms. All Super "U" Arms and Super "U" Conductor Supports have a load limit of 200 lbs. per wire holder.
- Interchangeable hanger loop kits are available for the different sizes of cross arms on your system.



7545



END VIEW
SUPER "U" DESIGN



7552



7551



7549

CAT NO	DESCRIPTION	NUMBER OF WIRE HOLDERS	LOAD LIMIT POUNDS	FITS MAXIMUM CROSS ARM SIZES	LBS
7545	STANDARD SUPER "U" ARM	2	400	4 1/4" x 6 3/4"	18.8
7546	SUPER "U" WITH LARGE HANGER LOOP	2	400	6" x 6"	20.4
7547	STANDARD SUPER "U" ARM	1	200	4 1/4" x 6 3/4"	15.4
7548	SUPER "U" WITH LARGE HANGER LOOP	1	200	6" x 6"	17.0
7553	STANDARD SUPER "U" WITH LARGE CAPACITY HOLDERS	2	400	4 1/4" x 6 3/4"	19.8
7549	REPLACEMENT LOOP KIT TO FIT CROSS ARMS			4 1/4" x 6 3/4"	1.0
7550	REPLACEMENT LOOP KIT TO FIT CROSS ARMS			6" x 6"	1.8
7551	REPLACEMENT CONDUCTOR HOLDER - STANDARD SIZE				1.2
7552	REPLACEMENT CONDUCTOR HOLDER - LARGE CAPACITY				1.5
P10024	REPLACEMENT EYE SCREW				

FIBERGLASS EXTENSION ARM

- The Fiberglass Extension Arm is designed for use as a temporary aid in replacing existing conductors and insulators, or as an aid for moving out conductors to obtain working clearance in congested areas
- Easy to install conductor holders are adjustable
- Eye bolts are silicon bronze to prevent seizing
- Load limit 150 lbs. per conductor holder
- Rating 15KV without insulator and 34.5KV with insulator



5006

2 1/2" DIAMETER FIBERGLASS EXTENSION ARM FOR DISTRIBUTION CROSS ARMS FITS MAXIMUM CROSS ARM SIZE 4 1/4" W x 6 3/4" H			2 1/2" DIAMETER FIBERGLASS EXTENSION ARM FOR SUB TRANSMISSION ARMS FITS MAXIMUM CROSS ARM SIZE 5 1/4" W x 6" H		
CAT NO	DESCRIPTION	LBS	CAT NO	DESCRIPTION	LBS
5000	5' ARM WITH ONE CONDUCTOR HOLDER	11.3	5036	5' ARM WITH ONE CONDUCTOR HOLDER	12.0
5001	5' ARM WITH ONE CONDUCTOR HOLDER AND INSULATOR	11.5	5037	5' ARM WITH ONE CONDUCTOR HOLDER AND INSULATOR	12.3
5006	6' ARM WITH TWO CONDUCTOR HOLDERS	14.5	5016	6' ARM WITH TWO CONDUCTOR HOLDERS	14.5
5007	6' ARM WITH TWO CONDUCTOR HOLDERS AND INSULATORS	15.5	5016-1	6' ARM WITH TWO CONDUCTOR HOLDERS AND INSULATORS	15.5



A10001



A10002



A30008



A10038



A10039

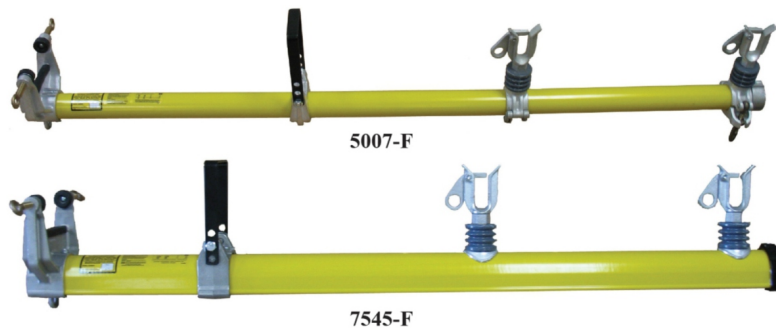
EXTENSION ARM ACCESSORIES FOR ALL 2 1/2" O.D. ARMS

CAT NO	DESCRIPTION	LBS
A10001	CONDUCTOR HOLDER ONLY	2.3
A10002	CONDUCTOR HOLDER AND INSULATOR	2.5
A30008	INSULATOR FOR USE WITH A10001 AND A10038 CONDUCTOR HOLDERS	1.0
A10038	LARGE CONDUCTOR HOLDER HAS 2 5/8" OPENING	2.8
A10039	LARGE CONDUCTOR HOLDER AND INSULATOR	3.8
P10024	EYE SCREW REPLACEMENT	

FIBER GLASS EXTENSION ARMS FOR COMPOSITE OR WOOD CROSS ARMS

- Can be used with both our Round and Super U Extension Arms.
- Fits composite or wood cross arms up to 4 1/4" x 6 3/4".
- Super U Arm with Large Hanger Loop fits 5 1/4" x 6".
- Rubber grippers won't damage composite cross arms.
- Cross arm loop is powder coated to prevent damage to composite cross arm.
- Casting trim on end fitting provides protection on bottom side of composite cross arm.
- To order arms found on page 307 and page 308 add -F to the catalog number.
- Retrofit kit available to convert existing extension arms.

CAT NO	DESCRIPTION	LBS
7545-F	STANDARD SUPER "U" ARM WITH 2 CONDUCTOR HOLDERS	18.8
7547-F	STANDARD SUPER "U" ARM WITH 1 CONDUCTOR HOLDER	15.4
7553-F	STANDARD SUPER "U" ARM WITH 2 LARGE CAPACITY HOLDERS	19.8
5000-F	5' ARM - 2 1/2" ROUND WITH 1 CONDUCTOR HOLDER	11.3
5001-F	5' ARM - 2 1/2" ROUND WITH 1 CONDUCTOR HOLDER AND INSULATOR	11.5
5006-F	6' ARM - 2 1/2" ROUND WITH 2 CONDUCTOR HOLDERS	14.5
5007-F	6' ARM - 2 1/2" ROUND WITH 2 CONDUCTOR HOLDERS AND INSULATORS	15.5

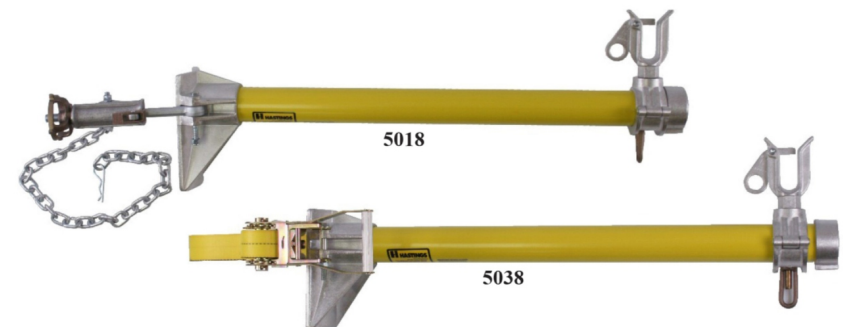


CAT NO	DESCRIPTION	LBS
7560	RETROFIT KIT TO CONVERT EXISTING EXTENSION ARMS	1.7


POLE MOUNTED SUPPORT ARM WITH CHAIN TIGHTENER

- The Stand Off Support Arm is designed for temporary support of conductors up to 1 1/16" O.D. It is ideal for replacing conductors and insulators, single phase and three phase armless construction. It also provides an excellent means of conductor support when changing crossarms, hardware and performing routine maintenance.
- Constructed of 2 1/2" O.D. foam filled fiberglass
- Fits pole diameters up to 14"
- Easy to install - has spring take up chain tightener
- Conductor holders are adjustable

CAT NO	DESCRIPTION	MAXIMUM VOLTAGE PHASE TO PHASE	LOAD LIMIT POUNDS PER HOLDER	LBS
5018	34" OVERALL LENGTH WITH ONE CONDUCTOR HOLDER	15 KV	200	14.0
5019	34" OVERALL LENGTH WITH ONE CONDUCTOR HOLDER AND INSULATOR	34.5 KV	200	15.0
5020	48 1/2" OVERALL LENGTH WITH TWO CONDUCTOR HOLDERS	15 KV	150	17.0
5021	48 1/2" OVERALL LENGTH WITH TWO CONDUCTOR HOLDERS AND INSULATORS	34.5 KV	150	18.0


POLE MOUNTED SUPPORT ARM WITH RATCHET BINDER AND NYLON STRAP

- Safety Ratchet Binder and Nylon Strap eliminates hazards of chains and chain tighteners when being used in primary voltage areas
- Installation and removal of arms is quick and easy
- Ratchet Binder has extra wide handle for easy operation when wearing rubber gloves
- 2" wide nylon strap is 44" long to accommodate most structures
(Note: Periodic inspection of straps for wear is required.)

CAT NO	DESCRIPTION	MAXIMUM VOLTAGE PHASE TO PHASE	LOAD LIMIT POUNDS PER HOLDER	LBS
5038	34" OVERALL LENGTH WITH ONE CONDUCTOR HOLDER	15 KV	200	12.0
5039	34" OVERALL LENGTH WITH ONE CONDUCTOR HOLDER AND INSULATOR	34.5 KV	200	13.0
5040	48 1/2" OVERALL LENGTH WITH TWO CONDUCTOR HOLDERS	15 KV	150	15.0
5041	48 1/2" OVERALL LENGTH WITH TWO CONDUCTOR HOLDERS AND INSULATORS	34.5 KV	150	16.0
5042	REPLACEMENT NYLON STRAP FOR ABOVE UNITS			0.5
5049	REPLACEMENT NYLON STRAP WITH HOOK FOR ABOVE UNITS			1.0

POLE MOUNTED SUPER "U" CONDUCTOR SUPPORT ARMS

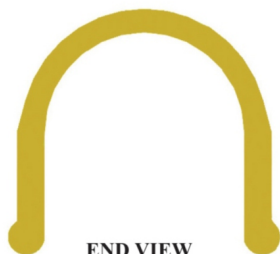
- The Super "U" Conductor Support Arms are designed for replacing conductors and insulators and maintenance of line voltages up to and including 34.5KV phase to phase
- All Super "U" Support Arms are rated with a 200 pound working load per conductor holder
- All Super "U" Support Arms include insulated conductor holders for dielectric integrity


5045

SUPER "U" CONDUCTOR SUPPORT ARMS WITH RATCHET AND NYLON STRAP		
CAT NO	DESCRIPTION	LBS
5045	ARM 34 3/4" OVERALL LENGTH WITH ONE CONDUCTOR HOLDER	14.3
5047	ARM 49 7/8" OVERALL LENGTH WITH TWO CONDUCTOR HOLDERS	18.0
5049	REPLACEMENT STRAP WITH HOOK 44" LONG	1.0


5046

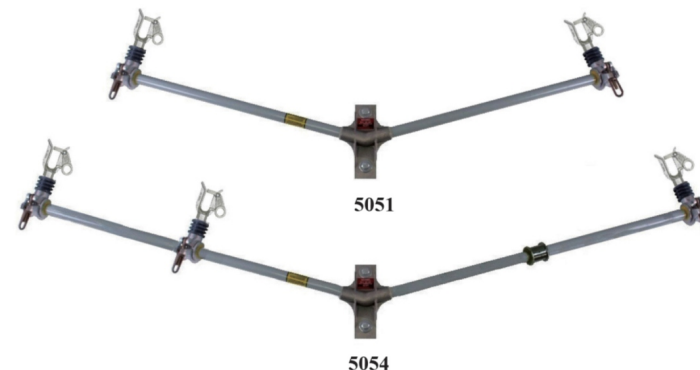
SUPER "U" CONDUCTOR SUPPORT ARMS WITH CHAIN TIGHTENER		
CAT NO	DESCRIPTION	LBS
5046	ARM 34 3/4" OVERALL LENGTH WITH ONE CONDUCTOR HOLDER	17.0
5048	ARM 49 7/8" OVERALL LENGTH WITH TWO CONDUCTOR HOLDERS	20.8


**END VIEW
SUPER "U" DESIGN**

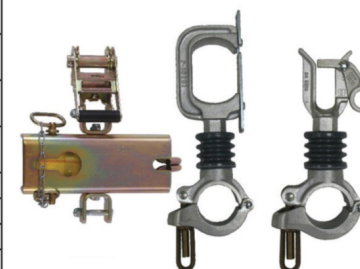
All Super "U" Arms with ratchet and strap have a steel alloy grab hook to make installation and removal fast and easy.
WARNING: Nylon straps should be inspected prior to each use for wear, cuts and degradation from exposure to ultra violet rays. Suspect straps should be replaced before use.


5049
TEMPORARY CROSS ARM

- The Temporary Cross Arm is an excellent tool for changing cross arms. Solid fiberglass arms for maximum strength. Rated for 34.5KV phase to phase.
- Two piece assembly makes installation easy and fast
- The mounting base includes a ratchet and strap assembly for lightweight and safety. U-Shape design fits over pole top pin.
- Fiberglass arm includes two standard conductor holders A10002 with insulators and will accept conductors up to 1 1/16" O.D. Conductor latches are hot stick operable.
- Also available A10039 Large Conductor Holder - 2 5/8" opening
- Captive bolts and washers on arm assembly enable the arm to be mounted to the base. No tools are required.
- Load limit is 150 pounds per side


5051
5054

CAT NO	DESCRIPTION	LBS
5051	72" WIDE, TWO A10002 STANDARD CONDUCTOR HOLDERS, COMPLETE WITH MOUNTING BASE	27.0
5053	72" WIDE, TWO A10039 CONDUCTOR HOLDERS, COMPLETE WITH MOUNTING BASE	28.0
5054	81" WIDE, THREE A10002 STANDARD CONDUCTOR HOLDERS, COMPLETE WITH MOUNTING BASE	33.0
5055	81" WIDE, THREE A10039 CONDUCTOR HOLDERS, COMPLETE WITH MOUNTING BASE	34.0
A30220	ARM ONLY 72"	22.0
A30233	ARM ONLY 81"	26.0
A30221	BI-ARM MOUNTING ASSEMBLY	14.0
A10002	STANDARD CONDUCTOR HOLDER WITH INSULATOR	3.0
A10039	LARGE CONDUCTOR HOLDER, 2 5/8" OPENING, WITH A30008 INSULATOR	3.8
5049	REPLACEMENT STRAP	1.0


A30221
A10039
A10002

LADDER HOOKS	
HOOK OPENING	LOAD LIMIT
7 1/2"	1350 LBS
12"	1000 LBS
15 1/2"	450 LBS

FIBERGLASS HOOK LADDERS

- Available as a one piece or spliced
- Heavy duty ladders (2 1/2" side rails) are available with splice for easy storage and transporting
- Hooks fold for storage - 3 sizes available
- Plated steel safety chains are standard
- Fiberglass rails and rungs have a solid foam core, rungs are 1 1/4" diameter and are coated with non-slip grit

LIGHT DUTY - 2" DIAMETER RAILS
ONE PIECE FIBERGLASS LADDERS - FOR VERTICAL USE ONLY

FT	COMPLETE LADDER WITH 7 1/2" HOOKS		COMPLETE LADDER WITH 12" HOOKS		COMPLETE LADDER WITH 15 1/2" HOOKS	
	CAT NO	LBS	CAT NO	LBS	CAT NO	LBS
8	7235	30	7240	31	7245	32
10	7236	32	7241	33	7246	34
12	7237	34	7242	35	7247	36
14	7238	36	7243	37	7248	38
16	7239	38	7244	39	7249	40

HEAVY DUTY - 2 1/2" DIAMETER SIDE RAILS
ONE PIECE FIBERGLASS LADDER

FT	COMPLETE LADDER WITH 7 1/2" HOOKS		COMPLETE LADDER WITH 12" HOOKS		COMPLETE LADDER WITH 15 1/2" HOOKS	
	CAT NO	LBS	CAT NO	LBS	CAT NO	LBS
10	13023	45	13024	47	13025	48
12	13026	51	13027	53	13028	54
14	13029	57	13030	59	13031	60
16	13032	63	13033	65	13034	66
18	13035	69	13036	71	13037	72
20	13038	75	13039	77	13040	78

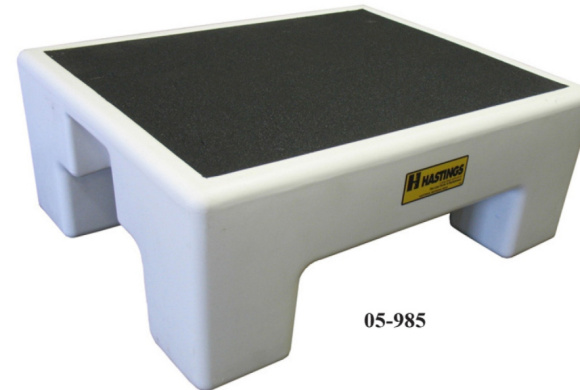
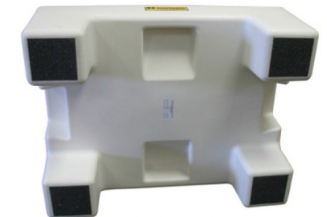
HEAVY DUTY 2 1/2" DIAMETER SIDE RAILS
TWO SECTION SPLICED FIBERGLASS LADDER

LENGTH	COMPLETE LADDER WITH 7 1/2" HOOKS		COMPLETE LADDER WITH 12" HOOKS		COMPLETE LADDER WITH 15 1/2" HOOKS	
	CAT NO	LBS	CAT NO	LBS	CAT NO	LBS
16' (10' & 6')	20898	67	20899	69	20900	70
18' (12' & 6')	20901	73	20902	75	20903	76
20' (14' & 6')	20904	80	20905	82	20906	83
22' (14' & 8')	20907	85	20908	87	20909	88
24' (14' & 10')	20910	90	20911	92	20912	93


SAFETY PLATFORM

- Light weight polyethylene
- Provides extra protection when working from ground, pulling conductors or when working near energized equipment
- Supports up to 300 lbs
- Heavy non-skid surface on top prevent slips
- Extra large legs with non-skid base to prevent tipping or skidding
- Sturdy handles built in on all 4 sides - easy to carry and transport
- Filled with unicellular polyurethane foam to provide a strong lightweight surface
- Dimensions 24" wide x 30" long x 12" high
- NOTE: For maximum protection platform must be kept free of dirt, dust or contamination.

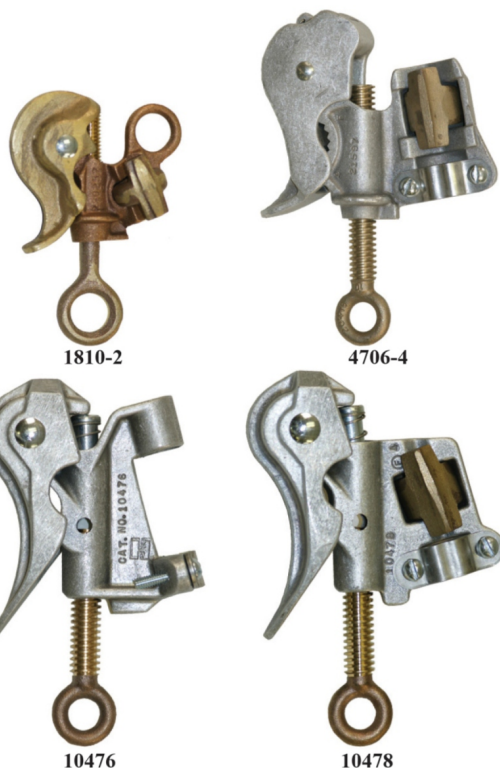
CAT NO	DESCRIPTION	LBS
05-985	SAFETY PLATFORM	48


05-985

BOTTOM VIEW OF PLATFORM
ABRASIVE PLATFORM SURFACE PAINT

- Maintains non-slip tread surface on fiberglass platforms
- Good adhesion - durable
- Ideal for re-surfacing rungs on fiberglass hook ladders
- Same material as used on all HASTINGS platforms

CAT NO	DESCRIPTION	LBS
P50522	ONE QUART ABRASIVE PLATFORM PAINT COLOR - BLACK	8.0


P50522

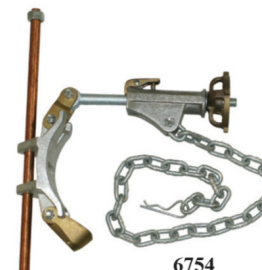
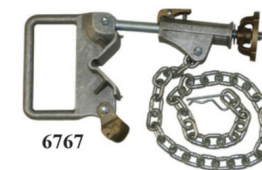
DUCK BILL GROUND CLAMPS


	CAT NO	DESCRIPTION	MAIN LINE RANGE MAXIMUM MINIMUM	MAXIMUM SIZE CABLE	MAXIMUM FAULT CURRENT RATING	TERMINAL TYPE	LBS
BRONZE	1810-2	SMOOTH JAWS	336.4 MCM ACSR / .75 DIA 6 SOLID / .16 DIA	2/0	27KA@15 CYCLES 20KA@30 CYCLES	BOLTED	1.1
	4706-4	SERRATED JAWS	954 MCM ACSR / 1.15 DIA 6 SOLID / .16 DIA	4/0	43KA@15 CYCLES 30KA@30 CYCLES	BOLTED	1.5
ALUMINUM	10476	SMOOTH JAWS	900 ACSR 556 MCM / 1.16 DIA 6 SOLID / .162 DIA			THREADED	1.5
	10477	SERRATED JAWS				THREADED	1.5
	10478	SMOOTH JAWS				BOLTED	1.5

GROUND CLUSTER BARS AND SUPPORTS

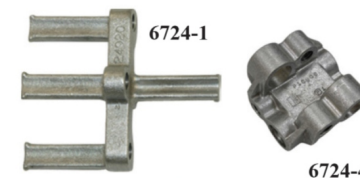
- Provides protection for operating personnel during grounding procedures and practices
- All ground clusters and supports utilize an adjustable chain tightener with 36" of chain
- Compact aluminum alloy cluster bar is 5/8" diameter. Bar accepts both "C" and duckbill type ground clamps. Tested for 43KA@ 15 Cycles.
- Aluminum base with a 5/8" diameter solid copper alloy bar. Bar accepts both "C" and duckbill type ground clamps. Copper bar will hold up to four clamps. Tested for 43KA@ 15 Cycles.

CAT NO	DESCRIPTION	LBS
6767	COMPACT CLUSTER BAR	6.8
6754	ALUMINUM BASE CLUSTER BAR	8.0


4-WAY CABLE SPLICES FOR THREADED TERMINATIONS

- Used for connecting ground cables together
- Four terminal positions
- Terminals are tapped for use with 5/8-11 NC threaded grounding ferrules
- Aluminum alloy
- Both splices have cable stress relief to provide additional support to the cable to ferrule connection
- Tested at 43KA@ 15 Cycles

CAT NO	DESCRIPTION	LBS
6724-1	FOUR WAY CABLE SPLICE	0.8
6724-4	FOUR WAY CABLE SPLICE	0.8


4-WAY CABLE SPLICE FOR BOLTED TERMINATIONS

- Used for connecting ground cables together
- Four way cable splice
- 2/0 cable maximum
- Tested at 28,900 Amps for 15 Cycles
- Bronze alloy

CAT NO	DESCRIPTION	LBS
5755-6	GROUND CABLE SPLICE	3.0


GROUND CABLE SPLICE

- Used for connecting two ground cables together
- 4/0 cable maximum
- Aluminum alloy
- Tested at 43KA@ 15 Cycles

CAT NO	DESCRIPTION	LBS
12423	GROUND CABLE SPLICE	1.0



CAPACITOR DISCHARGE TOOL

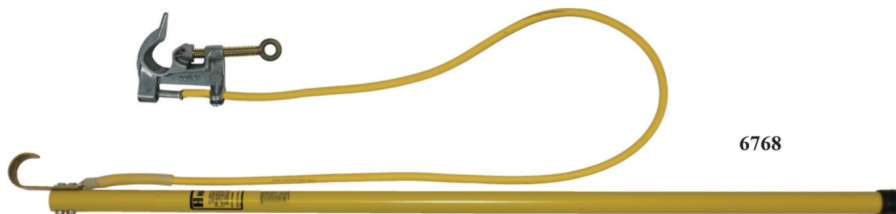
- The capacitor discharge tool is designed to safely drain the capacitive charge after the circuit is de-energized
- An optional add on resistor to limit discharge current is available
- Factory assembled to include the following components: Fiberglass Pole with hand guard, 1/4" Stainless Steel Hook with a 1 3/4" opening, Rubber Tool Holder, #2 Str. Copper Grounding Cable with safety yellow neoprene jacket, 2 hole Tin Plated Copper Lug is terminated on one end with a heat shrink sleeve
- For Custom Build - Contact factory with required clamp, length of fiberglass pole and required length of grounding cable for a part number

CAT NO	DESCRIPTION	LBS
CUSTOM BUILD	CAPACITOR DISCHARGE TOOL FOR CUSTOM BUILD - CONTACT FACTORY	
1004	DISCHARGE TOOL - 2' FIBERGLASS POLE WITH 6' GROUNDING LEAD (CLAMP NOT INCLUDED)	2.7
6753	ADD ON RESISTOR - RATED AT 10KV, 10 MEGOHM	0.7
P30128	REPLACEMENT RUBBER TOOL HOLDER	0.1


ELECTRO STATIC PRECIPITATOR GROUNDING TOOL

- Designed to safely remove the static charge after de-energizing for service work
- Grounding tool is factory assembled to include the following components: Brass alloy "U" shaped hook to engage precipitator plates, Fiberglass pole for installation, #2 Str. Copper Grounding Cable with safety yellow neoprene jacket, Ground Clamp
- For Custom Build - Contact factory with required clamp, length of fiberglass pole and required length of grounding cable for a part number

CAT NO	DESCRIPTION	LBS
CUSTOM BUILD	ELECTRO STATIC PRECIPITATOR GROUNDING TOOL FOR CUSTOM BUILD - CONTACT FACTORY	
6768	ELECTRO STATIC PRECIPITATOR GROUNDING TOOL 4' FIBERGLASS POLE, WITH 6' GROUNDING LEAD, AND C-HEAD GROUND CLAMP MODEL 21575	10.0

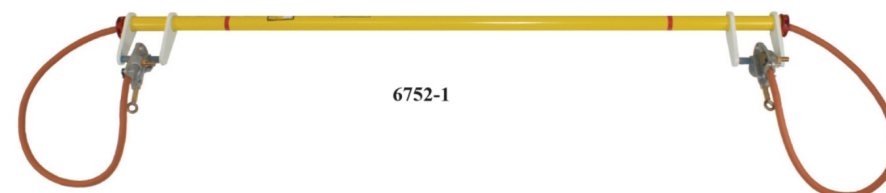

INSULATED / PROTECTED JUMPERS 15-69KV*

- 15KV rated cable is encapsulated in a 1 3/4" O.D. fiberglass tube. The fiberglass tube gives added insulation and mechanical protection for jumpering switch gear, reclosers and cutting in double deadends.
- Cable can be removed for inspection and replacement
- Fiberglass hanger brackets allow clamps to be secured for installation and removal of jumper
- Can be installed on wire sizes from 8 solid .120 diameter up to and including 1,033 MCM 1.25 diameter
- *Ratings - 69KV rating applies to area on fiberglass tube between red bands which are 12" from ends of the tube. 15KV ratings apply outside the red bands. Ratings apply for accidental brush contact only.



CAT NO	DESCRIPTION	SIZE AWG	LBS
6752-1	14' CABLE - 6' TUBE	#2	25
6752-5	16' CABLE - 8' TUBE	#2	27
6752-9	18' CABLE - 10' TUBE	#2	30
6752-2	14' CABLE - 6' TUBE	1/0	27
6752-6	16' CABLE - 8' TUBE	1/0	29
6752-10	18' CABLE - 10' TUBE	1/0	33
6752-3	14' CABLE - 6' TUBE	2/0	30
6752-7	16' CABLE - 8' TUBE	2/0	32
6752-11	18' CABLE - 10' TUBE	2/0	36
6752-4	14' CABLE - 6' TUBE	4/0	34
6752-8	16' CABLE - 8' TUBE	4/0	37
6752-12	18' CABLE - 10' TUBE	4/0	41

NOTE: FOR ADDITIONAL LENGTHS ON TUBE OR CABLE, AND CLAMP CHOICES, CONTACT THE FACTORY FOR ASSISTANCE.



15KV FACTORY ASSEMBLED JUMPERS WITH MEDIUM RANGE HEADS - YELLOW			
CAT NO	SIZE AWG	LENGTH	LBS
6727	#2	8'	6.7
6728	#2	10'	7.6
6729	#2	12'	8.5
6730	1/0	8'	8.0
6731	1/0	10'	9.2
6732	1/0	12'	10.4
6733	2/0	8'	8.9
6734	2/0	10'	10.3
6735	2/0	12'	11.7
6736	4/0	8'	11.6
6737	4/0	10'	13.7
6738	4/0	12'	15.8
NOTE: FOR LENGTHS NOT LISTED, CONTACT FACTORY FOR ASSISTANCE.			


6727

15KV FACTORY ASSEMBLED JUMPERS WITH LARGE RANGE HEADS - YELLOW			
CAT NO	SIZE AWG	LENGTH	LBS
6739	#2	8'	8.9
6740	#2	10'	9.8
6741	#2	12'	10.7
6742	1/0	8'	10.2
6743	1/0	10'	11.4
6744	1/0	12'	12.6
6745	2/0	8'	11.1
6746	2/0	10'	12.5
6747	2/0	12'	13.9
6748	4/0	8'	13.8
6749	4/0	10'	15.9
6750	4/0	12'	18.0
NOTE: FOR LENGTHS NOT LISTED, CONTACT FACTORY FOR ASSISTANCE.			

15KV FACTORY ASSEMBLED JUMPERS WITH MEDIUM RANGE HEADS - CLEAR			
CAT NO	SIZE AWG	LENGTH	LBS
6884	#2	8'	6.7
6885	#2	10'	7.6
6886	#2	12'	8.5
6887	1/0	8'	8.0
6888	1/0	10'	9.2
6889	1/0	12'	10.4
6890	2/0	8'	8.9
6891	2/0	10'	10.3
6892	2/0	12'	11.7
6893	4/0	8'	11.6
6894	4/0	10'	13.7
6895	4/0	12'	15.8
NOTE: FOR LENGTHS NOT LISTED, CONTACT FACTORY FOR ASSISTANCE.			


6893

15KV FACTORY ASSEMBLED JUMPERS WITH LARGE RANGE HEADS - CLEAR			
CAT NO	SIZE AWG	LENGTH	LBS
6901	#2	8'	8.9
6902	#2	10'	9.8
6903	#2	12'	10.7
6904	1/0	8'	10.2
6905	1/0	10'	11.4
6906	1/0	12'	12.6
6907	2/0	8'	11.1
6908	2/0	10'	12.5
6909	2/0	12'	13.9
6910	4/0	8'	13.8
6911	4/0	10'	15.9
6912	4/0	12'	18.0
NOTE: FOR LENGTHS NOT LISTED, CONTACT FACTORY FOR ASSISTANCE.			

25KV FACTORY ASSEMBLED JUMPERS WITH MEDIUM RANGE HEADS - CLEAR			
CAT NO	SIZE AWG	LENGTH	LBS
6897	2/0	8'	10.4
6898	2/0	10'	12.2
6899	2/0	12'	14.0
6900	2/0	14'	15.8
NOTE: FOR LENGTHS NOT LISTED, CONTACT FACTORY FOR ASSISTANCE.			

25KV FACTORY ASSEMBLED JUMPERS WITH LARGE RANGE HEADS - YELLOW			
CAT NO	SIZE AWG	LENGTH	LBS
6875	2/0	8'	12.6
6876	2/0	10'	14.4
6877	2/0	12'	16.2
6878	2/0	14'	18.0
NOTE: FOR LENGTHS NOT LISTED, CONTACT FACTORY FOR ASSISTANCE.			


6875

25KV FACTORY ASSEMBLED JUMPERS WITH LARGE RANGE HEADS - CLEAR			
CAT NO	SIZE AWG	LENGTH	LBS
6913	2/0	8'	12.6
6914	2/0	10'	14.4
6915	2/0	12'	16.2
NOTE: FOR LENGTHS NOT LISTED, CONTACT FACTORY FOR ASSISTANCE.			


6913

35KV FACTORY ASSEMBLED JUMPERS WITH LARGE RANGE HEADS - YELLOW			
CAT NO	SIZE AWG	LENGTH	LBS
6860	1/0	8'	14.3
6861	1/0	10'	16.4
6862	1/0	12'	18.6
6863	1/0	14'	20.8
NOTE: FOR LENGTHS NOT LISTED, CONTACT FACTORY FOR ASSISTANCE.			

35KV FACTORY ASSEMBLED JUMPERS WITH LARGE RANGE HEADS - CLEAR			
CAT NO	SIZE AWG	LENGTH	LBS
6916	1/0	8'	14.3
6917	1/0	10'	16.4
6918	1/0	12'	18.6
NOTE: FOR LENGTHS NOT LISTED, CONTACT FACTORY FOR ASSISTANCE.			

**15KV FACTORY ASSEMBLED, INSULATED JUMPERS, WITH
GROUND CLAMP ASSEMBLIES**

- Jumpers can be factory assembled and ordered with your choice of ground clamps and cable lengths
- Contact the factory for assistance

25KV FACTORY ASSEMBLED HOT STICK APPLIED JUMPERS

- Consists of (2) ground clamps 11190, jumper cable, (2) ferrules 11658 and (1) hanger stud 13210


6880

CAT NO	SIZE AWG	LENGTH	LBS
6880	2/0	8'	10.5
6881	2/0	10'	12.3
6882	2/0	12'	14.1
6883	2/0	14'	15.9

NOTE: FOR ADDITIONAL LENGTHS AND CLAMP CHOICES, CONTACT THE FACTORY FOR ASSISTANCE.

35KV FACTORY ASSEMBLED HOT STICK APPLIED JUMPERS

- Consists of (2) ground clamps 21575, jumper cable, (2) ferrules 13101 and (1) hanger stud 13190-1


6864

CAT NO	SIZE AWG	LENGTH	LBS
6864	1/0	8'	12.0
6865	1/0	10'	14.2
6866	1/0	12'	16.4
6867	1/0	14'	18.6

NOTE: FOR ADDITIONAL LENGTHS AND CLAMP CHOICES, CONTACT THE FACTORY FOR ASSISTANCE

INSULATED JUMPER HOLDERS

- Designed to provide the lineman safety when installing and removing energized jumpers
- Allows linemen greater control with all jumpering requirements
- Can be installed with all standard shotgun sticks or rubber gloves

CAT NO	DESCRIPTION	MAIN LINE RANGE	LBS
3477	JUMPER HOLDER 12" FIBERGLASS SHAFT 1/2" FIBERGLASS HANGER BAR	6 SOLID - 954 ACSR	1.9
3478	JUMPER HOLDER 24" FIBERGLASS SHAFT 1/2" FIBERGLASS HANGER BAR	6 SOLID - 954 ACSR	2.5
12577	JUMPER HOLDER 15" FIBERGLASS SHAFT 3/8" METAL HANGER BAR	4 SOLID - 636 ACSR	1.7

COMBINATION JUMPER EXTENDER/JUMPER HOLDER

- Extends the length of your existing mechanical jumpers
- Non-Conductive fiberglass shaft supports the weight of two jumpers while isolating the connection from other potentials
- 16" Fiberglass shaft
- Solid copper contact bar - 9" long x .625 diameter, exceeds 400 amp continuous current rating
- Eliminates the need for purchasing extra long jumpers - utilize two existing jumpers to double the operating length
- Double use - Can be used as a parking stand or ground jumper holder

CAT NO	DESCRIPTION	LBS
3484	COMBINATION JUMPER EXTENDER/HOLDER	2.75


3477

12577

3484

HOT STICK TESTER

- Test hot sticks wet or dry. The tester has a selector switch for wet or dry tests and a dual range scale which gives the operator leakage current values in micro amps.
- Utilizing a 2,500 volt output, the meter is calibrated to indicate the leakage values that would be present if 75KVAC were applied to a 12" section of the fiberglass tool for the wet test and 100KVAC per foot for the dry test.
- Portable and lightweight for easy use. Two models available 120 volt or 220 volt systems. The tester is designed to protect the operator while in use.
- The tester comes complete with a padded carrying case and directions for proper use. A testing bar is also provided to ensure the tester is working properly.
- Application and training video included with purchase.

CAT NO	DESCRIPTION	LBS
6799	HOT STICK TESTER COMPLETE WITH CARRYING CASE AND TEST BAR OPERATES ON 120 VOLT SYSTEM	5.3
6781	HOT STICK TESTER COMPLETE WITH CARRYING CASE AND TEST BAR OPERATES ON 220 VOLT SYSTEMS	8.2


6799
BATTERY POWERED HOT STICK TESTER

- Same as our standard hot stick tester model 6799 without the power cord.
- Testing can be done right at the job site.
- Lights have been added to aid with visual inspection when testing.
- Test hot sticks wet or dry. The tester has a selector switch for wet or dry test and a dual range scale which gives the operator leakage current values in micro amps.
- Utilizing a 2,500 volt output, the meter is calibrated to indicate the leakage values that would be present if 75KVAC were applied to a 1 foot section of the fiberglass tool for the wet test and 100KVAC per foot for the dry test.
- Three hour battery life. Rechargeable batteries (3 hour recharge time). Swappable batteries.
- The tester comes complete with Battery, Charger, Instruction Book, DVD, Test Bar and case.

CAT NO	DESCRIPTION	LBS
6799-1	HOT STICK TESTER - BATTERY OPERATED	7.2
A30430	REPLACEMENT BATTERY	0.8
A30431	REPLACEMENT CHARGER	0.4


6799-1

A30430

7701
7710
VOLTAGE DETECTOR

- The live tester is a non-contact voltage detector
- Static discriminator technology exclusive in our Live Tester provides more reliable detection on low voltage ranges, and now means no more false alarms
- Incorporates an all in one universal attachment and a shotgun adapter into the handle
- Electronic touchpad includes 11 range settings from 240v to 230KV and 2 URD settings, 15KV and 25KV
- Includes (3) C cell batteries
- Built in self test function
- High quality beeper
- Water resistant design
- Auto power off
- Operator feedback - both visual and audible
- Low battery indication
- Less than 1 pound

PROOF TESTER (sold separately)

- Allows you to make sure the 7701 is working properly when no known voltage is present
- Has a low battery indicator and runs on a 9 volt battery (included)
- Will fit into the same case with your 7701
- Just push the button and hold to test

CAT NO	DESCRIPTION	LBS
7701	VOLTAGE DETECTOR W/CASE	1.0
7710	PROOF TESTER FOR MODEL 7701	0.4

TRANSFORMER AND CAPACITOR TESTER

- Utilized to test the condition of transformers and capacitors before placing them into service
- Test new transformers and capacitors, plus trouble shoot in-service units
- Provides operating personnel a safe and reliable method to verify that transformers or capacitors are not shorted or open prior to energizing
- Detects failures in equipment before loading and transporting to the job site
- Eliminates the blowing of cutout fuses to determine the condition of equipment
- Magnetized back allows hands to be free to install and remove cables and clips. Light weight. Has built in push button test feature prior to applying it to equipment. Four bright LED lights signal the condition of the equipment being tested.
- Tester can be used to verify that secondary services are not shorted prior to energizing the transformer
- The T&C tester is powered by a 9 volt battery
- Can be used to -40° C
- Housing is weatherproof, high-impact resistant plastic


6793

CAT NO	DESCRIPTION	LBS
6793	TRANSFORMER AND CAPACITOR TESTER COMPLETE WITH BATTERY, AND CARRYING CASE	1.0

RUBBER BLANKETS AND ACCESSORIES

- High visibility yellow color allows the user to easily detect contamination, carbon tracking and other harmful damage that has occurred to the blanket
- Available in different sizes
- Cover up overhead or underground

CAT NO	DESCRIPTION	CLASS	TYPE	LBS
6020	RUBBER BLANKET - 36" X 36" - SOLID	2	II	7.3
6020-1	RUBBER BLANKET - 36" X 36" - SLOTTED	2	II	7.3
6020-22	RUBBER BLANKET - 22" X 22" - SOLID	2	II	5.0
6040	RUBBER BLANKET - 36" X 36" - SOLID	4	II	8.3
6040-1	RUBBER BLANKET - 36" X 36" - SLOTTED	4	II	8.3
6040-22	RUBBER BLANKET - 22 X 22" - SOLID	4	II	5.0
6023	BLANKET CANISTER - 7" X 37" - HOLDS 3 BLANKETS			3.4
6026	BLANKET CANISTER - 9" X 37" - HOLDS 6 BLANKETS			6.2
01-070	BLANKET ROLL-UP - FITS 22" X 22" BLANKETS			3.0
01-071	BLANKET ROLL-UP - FITS 36" X 36" BLANKETS			3.8
A30321	BLANKET PIN - PLAIN STYLE			0.3
A30322	BLANKET PIN - HOT STICK STYLE			0.3
01-603	VINYL CASE WITH HANDLE, FLAT STORAGE - HOLDS (6) 22" BLANKETS			2.0
01-604	CANVAS BUCKET BAG			2.0


6020
6020-1
6023
6026
01-604

01-070

A30321
A30322
CROSS ARM GUARD

- Designed for easy installation and removal
- Rated at 15 KV phase to ground
- Equipped with eye and can be installed with all shotgun hot sticks. Guard is pulled down over arm and slid into proper position.
- Fits distribution and sub transmission arm sizes
- Provides a barrier to prevent tie wires from contacting pins or cross arms
- Sides are slotted so guards can be installed over double arming bolts
- Brush contact only

CAT NO	DESCRIPTION	LBS
12012	CROSS ARM GUARD	2.5


12012
POLE GUARDS - WRAP AROUND STYLE

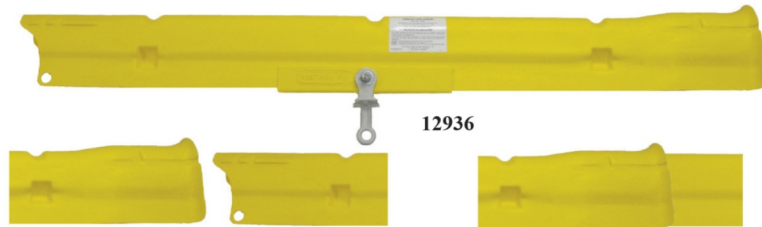
- Designed for easy installation and removal
- Guards are tested at 35KV
- Corrugated design allows unit to be easily opened for installing. Supplied with rubber straps to secure the guard to the pole. Strap can be removed with hot stick.
- Fits poles from 6" to 12" in diameter
- Brush contact only

CAT NO	DESCRIPTION	LBS
11924	2' POLE GUARD	6.0
11926	4' POLE GUARD	12.0
11927	6' POLE GUARD	18.5


11926

LINE GUARDS AND INSULATOR HOODS

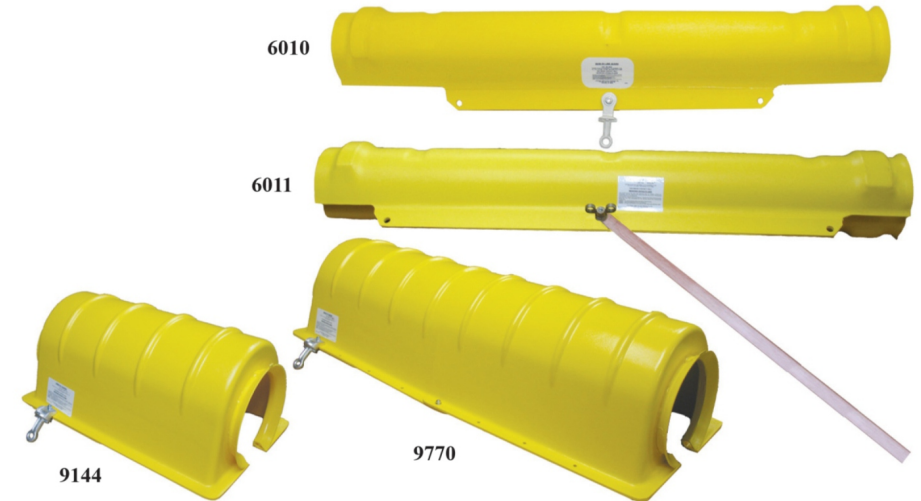
- 15/25 KV
- Designed for easy installation and removal
- Line guards are 4'6" long
- Installation - Guards and hoods are equipped with eye and can be installed with all shotgun hot sticks
- Eyes are adjustable to allow guards to be installed at angles
- Interlocking male and female ends allow as many guards as needed to be installed on conductors
- 15/25 KV - Guards are designed for use on conductor sizes 6 solid through 666.6 26/7 ACSR
- Brush contact only


12936 Interlocked


CAT NO	DESCRIPTION	RATING COVERED PHASE TO COVERED PHASE	RATING COVERED PHASE TO GROUND	LBS
12936	15/25 KV LINE GUARD - WITH SHOTGUN EYE	26.4 KV	15.3 KV	4.0
12528	15/25 KV INSULATED HOOD FOR SINGLE PINS	26.4 KV	15.3 KV	2.0
12527	15/25 KV INSULATED HOOD FOR DOUBLE PINS	26.4 KV	15.3 KV	4.0
01-484	STORAGE BAG FOR LINE GUARDS BAG HOLDS 2 GUARDS IN NESTED POSITION			2.0

LINE GUARDS AND INSULATOR HOODS

- 35 KV, 46 KV, AND 69 KV
- Designed for easy installation and removal
- Line guards are 4' 6" long
- Installation - Guards and hoods are equipped with eye and can be installed with all shotgun sticks
- Guards with 4' fiberglass installing stick are also an option
- Eyes are adjustable to allow installation of guards at angles
- Interlocking male and female ends allow as many guards as needed to be installed on conductors
- Wire Range - Guards are designed to accept all sizes up to and including 1,272 MCM 45/7 ACSR
- Brush contact only



CAT NO	DESCRIPTION	RATING COVERED PHASE TO COVERED PHASE	RATING COVERED PHASE TO GROUND	LBS
6010	35 KV LINE GUARD - WITH SHOTGUN EYE	36.6 KV	21.1 KV	8.0
6011	35 KV LINE GUARD - WITH 4' INSTALLING STICK	36.6 KV	21.1 KV	8.5
9144	35 KV INSULATED HOOD - SINGLE PIN - 22" LONG	*	*	5.0
9770	35 KV INSULATED HOOD - DOUBLE PIN ADJUSTABLE IN 3 LENGTHS - 27" - 32" - 37"	*	*	7.5
6012	46 KV LINE GUARD - WITH SHOTGUN EYE	48.3 KV	27 KV	9.0
6013	46 KV LINE GUARD - WITH 4' INSTALLING STICK	48.3 KV	27 KV	9.5
12000	69 KV LINE GUARD - WITH SHOTGUN EYE	72.5 KV	41.8 KV	9.0
12001	69 KV LINE GUARD - WITH 6' INSTALLING STICK	72.5 KV	41.8 KV	9.5
*SEE NOTES	VOLTAGE RATING 35 KV - IF USED WITH 6010 OR 6011 GUARDS 46 KV - IF USED WITH 6012 OR 6013 GUARDS 69 KV - IF USED WITH 12000 OR 12001 GUARDS			

INSULATED TACKLE BLOCKS

- Designed for all types of hoisting related jobs
- Bodies are made from high impact, dielectric thermoplastic material
- All hooks have full swivel capabilities
- Sheaves are made with fiberglass reinforced nylon material
- Shafts are stainless steel
- Swivel hooks are plated and include hot eye for application with hot sticks

CAT NO	DESCRIPTION	UPPER	LOWER	LBS
11361	BLOCKS ONLY - NO ROPE	2 SHEAVE	2 SHEAVE	6.5
11362	BLOCKS WITH 120' OF 1/2" POLY DACRON ROPE	2 SHEAVE	2 SHEAVE	16.0
11367	BLOCKS ONLY - NO ROPE	3 SHEAVE	2 SHEAVE	6.8
11368	BLOCKS WITH 150' OF 1/2" POLYDACRON ROPE	3 SHEAVE	2 SHEAVE	20.0
11369	BLOCKS WITH 250' OF 1/2" POLY DACRON ROPE	3 SHEAVE	2 SHEAVE	25.0
11052	SINGLE BLOCK ONLY	2 SHEAVE		3.3
11051	SINGLE BLOCK ONLY	3 SHEAVE		3.5

*OTHER LENGTHS AND STYLES OF ROPE AVAILABLE UPON REQUEST

**WORKING LOAD LIMIT 2,000 LBS.



11051

11052

WORKING LOAD LIMIT

The working load limit is the maximum load which should ever be applied to the product under any condition. The working load limit is based on a load being uniformly applied in a straight line pull.

CAUTION: It is the responsibility of the ultimate user to determine a working load limit for each application. Many factors should be considered: included among, but not limited to, loads applied, speed of operation, acceleration or deceleration, length of rope or cable, shock loads, abrasion, corrosion, number, size, condition and location of drums and sheaves, facilities for inspections, and the danger to life and property should a rope or cable break.

HAND LINE BLOCKS

- Block and sheave constructed of rugged nylon fiberglass reinforced high dielectric material
- Reinforced 1/2" diameter axle and swivel bearings
- 3" sheaves - block can accommodate rope up to 5/8" diameter
- Provided with either side opening or closed block
- Blocks are rated with 3-1 safety factor
- Working load limit 1,000 lbs. (See Page 802)

CAT NO	DESCRIPTION	LBS
3550	SIDE OPENING BLOCK WITH SWIVEL HOOK AND SAFETY SNAP	1.8
3551	CLOSED BLOCK WITH SWIVEL HOOK AND SAFETY SNAP	1.8
3553	SIDE OPENING BLOCK WITH SWIVEL EYE ONLY	1.3
3554	CLOSED BLOCK WITH SWIVEL EYE ONLY	1.3
3550-1	SIDE OPENING BLOCK WITH SWIVEL MEAT HOOK	1.8
3551-1	CLOSED BLOCK WITH SWIVEL MEAT HOOK	1.8
10-147	MEAT HOOK ONLY FOR BLOCKS	1.0



3550

3551

COMPLETE HAND LINES

HAND LINE WITH MODEL 3550 BLOCK, 1/2" POLYPROPYLENE ROPE, HAND LINE HOOK (P10060), AND HAND LINE SNAP (P30142)

CAT NO	WORKING HEIGHT	OVERALL ROPE LENGTH	LBS
3555	30'	60'	5.0
3556	40'	80'	5.5
3557	50'	100'	6.0

HAND LINE WITH MODEL 3551 BLOCK, 1/2" POLYPROPYLENE ROPE, HAND LINE HOOK (P10060), AND HAND LINE SNAP (P30142)

3558-1	30'	60'	4.5
3559-1	40'	80'	5.0
3560-1	50'	100'	5.5

*OTHER LENGTHS AND STYLES OF ROPE AVAILABLE UPON REQUEST.



3553

3554

3551-1

HAND LINE HOOK

- Hand line hook only constructed from manganese bronze alloy, use with up to 1/2" rope
- Working load limit 600 lbs. (See Page 802)

CAT NO	DESCRIPTION	LBS
P10060	HAND LINE HOOK ONLY	0.5

HAND LINE SNAP

- Hand line snap only, drop forged alloy steel
- Working load limit 600 lbs. (See Page 802)
- 1" diameter hole - snap opening 5/8"

CAT NO	DESCRIPTION	LBS
P30142	HAND LINE SNAP	0.4



3555

P10060

P30142

POLYPROPYLENE ROPE

- Recommended for: general purpose hand lines, stringing lines, and tag lines
- Specially lubricated to relieve internal wear
- Stored wet or dry it will not rot or mildew and is not affected by acids, alkalis, oil, grease, gasoline, or other chemicals
- All sizes are ultraviolet stabilized
- Three strand construction

CAT NO	DESCRIPTION	LBS
3650	100' - 1/4" POLYPROPYLENE ROPE	1.2
3651	600' - 1/4" POLYPROPYLENE ROPE	8.0
3655	100' - 3/8" POLYPROPYLENE ROPE	2.8
3656	600' - 3/8" POLYPROPYLENE ROPE	18.0
3660	100' - 1/2" POLYPROPYLENE ROPE	4.7
3661	600' - 1/2" POLYPROPYLENE ROPE	30.0
3665	100' - 3/4" POLYPROPYLENE ROPE	10.7
3666	600' - 3/4" POLYPROPYLENE ROPE	68.0


DACRON ROPE

- Recommended for: block and tackle, bull lines, hand lines, stringing lines and other applications where minimum stretch, great strength and durability are needed for top performance
- Specially lubricated to relieve internal wear
- Stored wet or dry
- Three strand construction

CAT NO	DESCRIPTION	LBS
3670	100' - 3/8" DACRON ROPE	4.5
3671	600' - 3/8" DACRON ROPE	29.0
3675	100' - 1/2" DACRON ROPE	8.0
3676	600' - 1/2" DACRON ROPE	51.0


NYLON ROPE

- Recommended for: block and tackle, slings, hand lines, and general purpose
- Natural white nylon rope is flexible and easy to handle
- Widely used where maximum strength is a requirement
- Three strand construction

CAT NO	DESCRIPTION	LBS
3680	100' - 3/8" NYLON ROPE	3.5
3681	600' - 3/8" NYLON ROPE	23.0
3685	100' - 1/2" NYLON ROPE	6.5
3686	600' - 1/2" NYLON ROPE	41.0


NYLON WEB SLINGS

- Designed with high strength, wear resistant with material softness for good flexibility
- Leather tag stitched on sling shows load limit. All ratings are based on a 5-1 safety factor when sling is new and unused. Red inner stitching full length shows through when sling needs replacing.
- Load limits are rated on basis of a minimum 1" diameter of curvature at all corners or points of load contact without twists, kinks, or knots. The listed capacities are reduced in varying degrees depending upon the uses and care to which the products are subjected.
- Ordering - select the catalog number, enter a dash (-) behind the catalog number, select the desired length in feet. Example: 3711-4 this is a 2" wide, single ply, 4' sling



NYLON GROMMET OR ENDLESS TYPE				
WIDTH	CAT NO	LOAD LIMIT IN POUNDS WHEN NEW		
		CHOKER	VERTICAL	VERTICAL BASKET
SINGLE PLY				
1"	3710-	1900	2400	4800
2"	3711-	3800	4800	9600
3"	3712-	5200	6500	13000
TWO PLY				
1"	3715-	3800	4800	9600
2"	3716-	7700	9600	19200
3"	3717-	9500	12600	25200

NYLON PLAIN EYE AND EYE TYPE					
WIDTH	CAT NO	EYE SIZE	LOAD LIMIT IN POUNDS WHEN NEW		
			CHOKER	VERTICAL	VERTICAL BASKET
SINGLE PLY					
1"	3720-	8"	950	1200	2400
2"	3721-	10"	1800	2400	4800
3"	3722-	12"	2900	3600	7200
TWO PLY					
1"	3725-	8"	1900	2400	4800
2"	3726-	10"	3600	4800	9600
3"	3727-	12"	5200	6500	13000



TRIANGLE AND CHOKER SLINGS				
WIDTH	CAT NO	LOAD LIMIT IN POUNDS WHEN NEW		
		CHOKER	VERTICAL	VERTICAL BASKET
2"	3730-	1800	2400	4800

NYLON EYE AND EYE HALF TWIST					
WIDTH	CAT NO	EYE SIZE	LOAD LIMIT IN POUNDS WHEN NEW		
			CHOKER	VERTICAL	VERTICAL BASKET
SINGLE PLY					
1"	3701-	8"	950	1200	2400
2"	3702-	10"	1800	2400	4800
3"	3703-	12"	2900	3600	7200
TWO PLY					
1"	3704-	8"	1900	2400	4800
2"	3705-	10"	3600	4800	9600
3"	3706-	12"	5200	6500	13000

ALL PURPOSE CLEANER

- Excellent cleaner for the following: hot line tools, trucks, buckets, booms, rubber goods, rigid cover up, painted surfaces and aluminum metal, shop machinery, hand cleaner, all plastic surfaces
- Safe and gives the following benefits: biogradable, non-toxic, non-alkali, non-acid, non-flammable, gentle to the skin, requires no ventilation
- Can be applied with a soft cloth, sponge or hand dispenser
- Concentrate formula mixing ratio is 20 parts water to 1 part concentrate

CAT NO	DESCRIPTION	LBS
10-169	ALL PURPOSE CLEANER - PREMIXED-ONE GALLON	8.0
10-172	ALL PURPOSE CLEANER - PREMIXED-ONE CASE (6 GALLONS)	48.0
10-168	ALL PURPOSE CLEANER - CONCENTRATE-ONE GALLON	8.0
10-194	ALL PURPOSE CLEANER - CONCENTRATE-ONE CASE (6 GALLONS)	48.0
10-195	ALL PURPOSE CLEANER - CONCENTRATE-5 GALLON DRUM	40.0
10-089-3	HAND DISPENSER	1.0



10-169

10-089-3

EXTENDO SLICK

- Helps all your telescopic sticks slide freely
- Reduces friction caused by wear and contaminants
- Formulated for hot stick use
- Non Conductive
- Non Flammable
- Easy to use - Just spray on
- Repels dust
- Dries quickly - Long Lasting
- One can will do up to eight 40' telescopic sticks
- Optional spray handle sold seperately

CAT NO	DESCRIPTION	LBS
10-088	EXTENDO SLICK SPRAY	0.8
10-089	EXTENDO SLICK SPRAY - CASE OF 12	9.6
P31444	SPRAY HANDLE	0.2



10-088

P31444

HOT STICK BOOM AND BUCKET WAX

- High grade carnuba wax specially formulated for application to fiberglass finishes
- Properly applied, the wax will produce a hard tack-free weather resistant surface - resistant to temperatures and weather extremes
- Wax may be applied by hand and hand polished - wax on / wax off
- Do not let wax dry on stick

CAT NO	DESCRIPTION	LBS
10-091	WAX - 1 CAN (14 oz)	1.7
10-091-1	WAX - 1/2 CASE (6 CANS)	8.0
10-091-2	WAX - 1 CASE (12 CANS)	15.0



10-091

LIQUID HOT STICK WAX

- Liquid hot stick wax is formulated for application to fiber glass finishes
- Protects against the elements
- Easy to use and long lasting - let dry to light haze and wipe off
- Allows for air shipment

CAT NO	DESCRIPTION	LBS
10-093	WAX - 1 BOTTLE	1.0



10-093



A-12



10-097-1

EPOXY ADHESIVE KIT

- Two component epoxy resin for permanent bonds - metal to fiber-glass, wood, steel and brass
- Kit contains all necessary parts and instructions for mixing and apply adhesive

CAT NO	DESCRIPTION	LBS
A-12	EPOXY ADHESIVE KIT	0.4

EPOXY ADHESIVE

- For hot line tool construction and repair
- Epoxy is a general purpose non-sag, high viscosity, two-part adhesive specially formulated for difficult bonding applications where high performance is required
- High impact resistance and good flexibility
- Has excellent adhesion to plastics, fiberglass, metal, wood, concrete and other surfaces
- Same material used in construction of HASTINGS tools - safety yellow color

CAT NO	DESCRIPTION	LBS
10-097-1	EPOXY ADHESIVE 1 PINT EACH COMPONENT A&B	3.0

HOT LINE TOOL RACKS

- Tool racks are made from fiberglass components
- Will accommodate up to 14 hot line tools
- Support legs collapse for easy storage and transportation

CAT NO	DESCRIPTION	LBS
6708	PAIR OF HOT LINE TOOL RACKS	8.2
6707	SINGLE TOOL RACK	4.1



6708

HOT STICK CLEANING KIT

- Kit provides the brushes and sectional fiberglass rods needed to thoroughly clean the inside of telescoping hot sticks and internal rod shotgun sticks
- Kit includes: (1) Heavy duty vinyl fold up storage case with pockets to store cleaning rods and brushes - additional pockets are provided for storage of other cleaning items, (3) Fiberglass sectional rods each 3' long, (5) Heavy duty industrial type nylon bristle brushes to accommodate all inside diameters of telescoping tools

CAT NO	DESCRIPTION	LBS
10-337	COMPLETE CLEANING KIT	3.5
A15579	FIBERGLASS HANDLE 3'	0.4
A15580	FIBERGLASS EXTENSION 3'	0.3
P30724	3/4" DIAMETER BRUSH	0.2
P30725	1" DIAMETER BRUSH	0.2
P30726	1 1/2" DIAMETER BRUSH	0.2
P30727	2" DIAMETER BRUSH	0.2
P30728	2 1/2" DIAMETER BRUSH	0.2
P30723	STORAGE CASE	1.0



10-337

PORTABLE SOLAR POWER SYSTEM

VIXO

TREE GUARD

VIXO

Specification

Model	SP-300A
Built-In Inverter Power	300W
Input	
Voltage (For Solar Panel)	18V
Output	
Output Voltage	AC220V/50Hz , AC110V/60Hz
AC Output Wave	Pure Sine Wave
DC Output 1	DC5V 2A * 3, DC12V 3A * 4
DC Output 2	QC 3.0 Quick Charge
Display	
LED/LCD	LED
Built-In Battery	
Battery Type	Lithium Battery
Battery Voltage	11.1V
Battery Capacity	27AH
Over Voltage Protection	12.8V
Built-In Solar Controller	
Solar Controller Type	PWM
Max Current	5A
Solar Panel(Ref.)	
Solar Panel Type	Foldable Sunpower Solar Panel
Max Power	63W/18V
Dimension, D * W * H(mm)	880*500*110MM(Unfolded),170*300*35MM(Folded)
Gross Weight(Kg)	2KG
Physical	
Shell Material	Aluminium + Plastic
Dimension, D * W * H(mm)	255 * 85 * 140
Net Weight(Kg)	2.9KG
Gross Weight(Kg)	4KG
Accessory	
	3W LED Bulb*2
	E27 Holder + Switch + 5m Cables 0.2MM ² * 2
	1-4 USB Cable
Operating Environment	
Humidity	5% to 95% Relative Humidity(Non-Condensing)
Operating Temperature	0°C-55°C
Storage Temperature	(-) 10°C-60°C



AC Switch

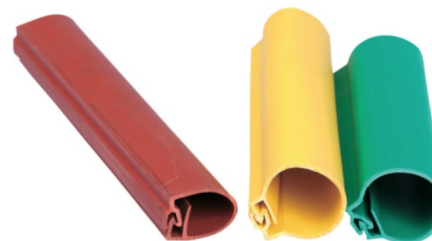
Intelligent Fan

AC 220V Out



Work Indicator
Fault Indicator

Jump Starter



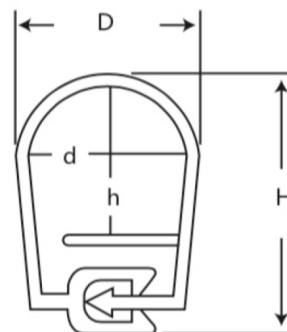
Application :

To provide insulation and protecting for overhead line core cable, prevent short circuit accidents caused by incidental contact of tree branches or wildlife. Also used for railway contact network overhead line system, improve insulation performance to ensure the safe operation of railway line.

Feature :

- Anti-tracking
- UV resistance, and abrasion resistance
- Easy installation with hand tool
- Standard color : red (black, green and yellow are available on request)

Drawing Of Overall Dimensions



	d	h	D	H	Product weight normal
Φ13	16	17	25	32	0.38kg/m
Φ18	21	20	28	37	0.43kg/m
Φ23	26	29	30	45	0.47kg/m
Φ38	40	40	45	45	0.63kg/m

