CHANCE®

LINEMAN GRADE TOOLS™

Epoxiglas™ Live-Line Tool Instruction Manual

HUBBELL

⚠ WARNING ⚠

To prevent death, serious injury, and/or property damage:

- Always follow applicable laws, regulations, standards, and company work practices and procedures.
- Only to be used by competent individuals properly trained on its use in an occupational setting.
- Always maintain proper working clearances and Minimum Approach Distances (MAD) per government regulations and company work rules when working on or near energized power lines or equipment.
- Always keep all surfaces clean and dry.
- If wearing rubber insulating gloves with leather protectors when using a hotstick that does not meet OSHA requirements, the gloves must be rated and tested for the full system voltage.
- Only competent technicians familiar with the tool should maintain, repair, or test it. Always test before returning a repaired or refinished tool to service.

1 Before and after each use

- Always clean the Epoxiglas™ surfaces using CHANCE Silicone Wipes (C4002568) or Wiping Cloths (M1904). Both clean and leave a protective layer of silicone on the finish of the hotstick.
  - For heavier contamination, Moisture Eater II (C4002364 or C4002538) can be used.
  - Moisture Eater II was designed specifically for cleaning hotsticks, and will remove both contamination and moisture from the surface. It also removes silicone, so a Silicone Wipe should ALWAYS be used after using Moisture Eater II.
  - To maintain cleanliness, keep tools off the ground and other contaminated surfaces while working.
  - Use of CHANCE Hot Line Tool Racks (M4660) or a clean tarp is recommended at the worksite.
- Always thoroughly inspect the tool for any damage, excessive wear, or missing components per IEEE 516.

⚠ **DO NOT USE** if damaged, components are missing, or there is any reason to suspect the mechanical and/or electrical properties of the tool may be compromised. Tools that have been damaged and show exposed fibers must be removed from service and destroyed.

- Verify the tool functions correctly and smoothly.
- If desired or specified for certain jobs by local regulations or company work practices (e.g. before extra high voltage transmission work), field test the tool prior to use with a CHANCE Wet/Dry Hotstick Tester.

2 Maintenance

- Periodic electrical testing – All Live-Line Tools shall be electrically tested at a minimum of once every two years, or more frequently per applicable government and/or company safety rules and regulations.
  - More frequent testing may be needed based on frequency of use, work conditions, care, and maintenance, etc.
  - Always test tools before returning to service after a repair or refinishing. ASTM F3121 may be referenced for in-service electrical testing.
- Refinishing – The original glossy finish on CHANCE Epoxiglas™ tools can often be refinished. Use CHANCE Gloss Restorer Kit (C4001520) or Epoxy Refinishing Kit (C4002365).
- Repair – The CHANCE Epoxiglas Bond Kit (H1917) is recommended for many repairs. Hardware, bolts, and pins should be replaced only with OEM replacement parts. All repairs and refinishing should be followed by electrical testing of the tool before putting the tool back into service

⚠ Tools that have been overstressed mechanically or that show signs of overloading such as cracked or damaged components, stretched threads, bent metal components, surface ruptures, etc., should be permanently removed from service and destroyed.

3 Storage and transportation

- Always store tools in a clean, dry location and out of direct sunlight. Tubes, bags, racks, or a tool trailer are recommended. Secure the tools to prevent damage. Storage surfaces should be well padded.

⚠ **DO NOT** store where moisture, oil, caustic chemicals or their vapors, or other degrading material may be present.

4 Disposal

- Always follow local laws and regulations. Metallic parts can be removed and recycled. The fiberglass pole and other components can be repurposed or disposed of as solid waste, except where prohibited by law.

5 Certified

- Each tool is certified to meet OSHA 29 CFR 1926.957(a) and 29 CFR 1910.269(j), ASTM F711, IEC 60855, and CHANCE® specifications on date of manufacture, including electrical testing at the factory.

6 Load Ratings

Catalog ID	Name	Max Working Load in Tension	
		Lb.	kg
PSC4004132	Crossarm Link Stick 1.25” (32mm), .75” (19mm) Hook	1,500	680
PSC4004372	Crossarm Link Stick 1.25” (32mm), 1.0” (25mm) Hook	3,500	1,588
C4001175	Hoist Link Stick 1.25” (32mm), 15” (0.381m)	4,000	1,814
C4002399	Hoist Link Stick 1.25” (32mm), 18” (0.457m)	4,000	1,814
C4002400	Hoist Link Stick 1.25” (32mm), 24” (0.610m)	4,000	1,814
PSC4002400001	Hoist Link Stick 1.25” (32mm), 36” (0.914m)	4,000	1,814
PSC4002400008	Hoist Link Stick 1.25” (32mm), 63” (1.60m)	4,000	1,814
C4000574	Hotstick Tension Puller 1.5” (38mm) for 34.5kV	4,000	1,814
C4000575	Hotstick Tension Puller 1.5” (38mm) for 69kV	4,000	1,814
PSC4012730	Symmetrical Tension Puller	4,000	1,814
H47152	Strain Link Stick 1.25” (32mm), 4′ 9″ (1.22m)	3,500	1,588
C4000814	Strain Link Stick 1.25” (32mm), 7′ 3″ (2.21m)	3,500	1,588
C4000815	Strain Link Stick 1.25” (32mm), 9′ 3″ (2.82m)	3,500	1,588
C4000816	Strain Link Stick 1.25” (32mm), 11′ 3″ (3.43m)	3,500	1,588
C4000817	Strain Link Stick 1.25” (32mm), 13′ 3″ (4.04m)	3,500	1,588
C4000818	Strain Link Stick 1.25” (32mm), 15′ 3″ (4.65m)	3,500	1,588
H47161	Strain Link Stick 1.5” (38mm), 3′ 3″ (0.99m)	6,500	2,948
H47162	Strain Link Stick 1.5” (38mm), 4′ 9″ (1.45m)	6,500	2,948
H47163	Strain Link Stick 1.5” (38mm), 6′ 9″ (2.06m)	6,500	2,948
H47164	Strain Link Stick 1.5” (38mm), 8′ 9″ (2.67m)	6,500	2,948
H47165	Strain Link Stick 1.5” (38mm), 10′ 9″ (3.28m)	6,500	2,948

Catalog ID	Name	Max Working Load in Tension	
		Lb.	kg
H47166	Strain Link Stick 1.5” (38mm), 12′ 9″ (3.89m)	6,500	2,948
H4717	Strain Link Stick 1.5” (38mm), 5′ 0″ (1.52m)	6,500	2,948
H47171	Strain Link Stick 1.5” (38mm), 7′ 2″ (2.18m)	6,500	2,948
H4718	Strain Link Stick 1.5” (38mm), 5′ 2″ (1.58m)	6,500	2,948
H47181	Strain Link Stick 1.5” (38mm), 7′ 2″ (2.18m)	6,500	2,948
H47182	Strain Link Stick 1.5” (38mm), 9′ 2″ (2.79m)	6,500	2,948
H47183	Strain Link Stick 1.5” (38mm), 11′ 2″ (3.40m)	6,500	2,948
H47184	Strain Link Stick 1.5” (38mm), 13′ 2″ (4.01m)	6,500	2,948
H4722	Spiral Link Stick 1.25” (32mm), 31″ (0.7	3,500	1,588
C4000812	Spiral Link Stick 1.25” (32mm), 57.5″ (1.46m)	3,500	1,588
H47144	Roller Link Stick 1.25” (32mm), 58″ (1.47m)	1,000	454
H47146	Roller Link Stick 1.25” (32mm), 82″ (2.08m)	1,000	454
C4012144	Adjustable Strain Pole 2” (51mm), 6’ (1.83m)	7,500	3,402
C4012145	Adjustable Strain Pole 2” (51mm), 7’ (2.13m)	7,500	3,402
C4012146	Adjustable Strain Pole 2” (51mm), 8’ (2.44m)	7,500	3,402
C4012147	Adjustable Strain Pole 2” (51mm), 10’ (3.05m)	7,500	3,402
C4012215	Adjustable Strain Pole 2” (51mm), 12’ (3.66m)	7,500	3,402
C4012148	Adjustable Strain Pole 2” (51mm), 14’ (4.27m)	7,500	3,402
C4012149	Adjustable Strain Pole 2” (51mm), 18’ (5.49m)	7,500	3,402
C4012174	Heavy Duty Strain Carrier, 6’ (1.83m)	15,000	6,804
C4012175	Heavy Duty Strain Carrier, 7’ (2.13m)	15,000	6,804
C4012176	Heavy Duty Strain Carrier, 8’ (2.44m)	15,000	6,804
C4012177	Heavy Duty Strain Carrier, 10’ (3.05m)	15,000	6,804
C4012216	Heavy Duty Strain Carrier, 12’ (3.66m)	15,000	6,804
C4012178	Heavy Duty Strain Carrier, 14’ (4.27m)	15,000	6,804
C4012179	Heavy Duty Strain Carrier, 18’ (5.49m)	15,000	6,804
C4010411	Standard Duty Strain Carrier, 6’ (1.83m)	6,500	2,948
C4010410	Standard Duty Strain Carrier, 8’ (2.44m)	6,500	2,948
H1949113	Strain Pole, Butt Swivel & 3.35” Clevis, 113” (2.87m)	12,000	5,443
C4000612	Strain Pole, Butt Swivel & 1.56” Clevis, 113” (2.87m)	12,000	5,443
C4000613	Strain Pole, Butt Swivel & 1.56” Clevis, 134” (3.40m)	12,000	5,443
PSC4002915	Strain Pole, Dual 1.56” Clevis, 113” (2.87m)	12,000	5,443
PSC4002916	Strain Pole, Dual 1.56” Clevis, 134” (3.40m)	12,000	5,443

Catalog ID	Name	Max Working Load in Tension	
		Lb.	kg
H472084	Suspension Link Stick 1.5” (38mm), 84” (2.13m)	6,500	2,948
H472096	Suspension Link Stick 1.5” (38mm), 96” (2.44m)	6,500	2,948
H4720114	Suspension Link Stick 1.5” (38mm), 114” (2.90m)	6,500	2,948

1. Max Load Rating 600 lb. (272 kg) balanced; 150 lb. (68 kg) unbalanced

2. Max Side Load Rating 100 lb. (45 kg)

7 Tools Training

- CHANCE Lineman Grade Tools offers in-person live line training. Learn more and inquire online at: info.hubbellpowersystems.com/lineman-tools-training

All Epoxiglas Pole is manufactured and tested according to ASTM F711, IEC 60855, and CHANCE specifications including 100% electrical testing at the factory.

These instructions do not claim to cover all details or variations concerning installation, operation, or maintenance of this tool. If further information is desired, contact Hubbell Power Systems.

DISCLAIMER

These products should only be installed, used, or serviced by adequately trained personnel. These instructions are not a substitute for adequate training in the safe use of these products, and they do not address all situations that may be encountered when using these products. When using any product, always read and follow the installation and operating instructions and warnings for the product, all applicable federal, state, and local safety regulations, industry standards, and your employer’s internal safety guidelines and operating instructions. Failure to follow applicable safety rules and instructions may result in death, serious injury, and/or property damage.

The user is responsible for the safe installation and use of any product, and must evaluate the conditions at the time of use and consult with their employer’s internal safety guidelines or safety experts hired by your employer, as needed.

Hubbell Power Systems, Inc. is not liable for death, serious injury, and/or property damage resulting from the use of these products in any manner that is inconsistent with the product installation and operating instructions, your employer’s internal safety guidelines, or recommendations from safety experts hired by your company. If further information is desired or if particular problems are encountered which are not sufficiently covered in these instructions, contact Hubbell Power Systems, Inc. for additional information. Operating and installation instructions are available on the Hubbell Power Systems, Inc. website: hubbellpowersytems.com

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LINEMAN GRADE TOOLS™

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GET IN TOUCH:

hpsliterature@hubbell.com

www.hubbell.com/hubbellpowersystems

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