

### Safety:

Isolating a worker from hazardous voltage is a serious business and one in which Hastings prides itself in being a leader. From the raw material we purchase to the processes and equipment used to shape the material, to the procedures and standards used to make and test the final product, Quality is the first requirement.

Our fiberglass is the finest quality in the industry, made in the USA, will withstand 100 KV per foot, will not absorb moisture, and is very durable.

### Standards:

We manufacture our product to meet a variety of industry standards including ASTM, IEC and OSHA. While OSHA is the only required standard, we test to the specifications of all these standards.

### Quality:

We pride ourselves with the quality of our service and our products. Our fiberglass is just one product line that exemplifies this level of commitment to quality. In the case of hot line tools, an issue with quality could relate directly to a safety issue and therefore cannot be tolerated.

### Material:

All the glass used in our product is electrical grade. Our resins are selected for the best properties of UV resistance, moisture resistance, strength, dielectric properties, and light weight. Our incoming raw material is tested, additional testing occurs during production, and the completed fiberglass pole is tested. Testing doesn't make the product better, it verifies that the product is consistent from run to run and will perform as expected in the field.

### Experience:

Hastings works closely with the utility industry in solving application problems and providing training in the proper use of our equipment. Through our close contact with our customers, we stay in touch with their needs and this guides our efforts at future product designs. Hastings also participates with the development of industry standards.

## Ratings:

100 percent of the fiberglass eachpole we produce is tested to meet the 100 kV per foot testing standards. This allows completed tools made from this fiberglass to be used at the minimum clear insulation distances specified by OSHA as shown below. Our quality combined with industry standards for minimum clear insulation distances gives the users an additional safety factor.

VOLTAGE RANGE (phase to phase) (kilovolt)	MINIMUM WORKING AND CLEAR HOT STICK DISTANCE
2.1 to 15	2 ft. 1 in.
15.1 to 35	2 ft. 4 in.
35.1 to 46	2 ft. 7 in.
46.1 to 72.5	3 ft. 0 in.
72.6 to 121	3 ft. 2 in.
138 to 145	3 ft. 7 in.
161 to 169	4 ft. 0 in.
230 to 242	5 ft. 3 in.
345 to 362	(1) 8 ft. 6 in.
500 to 552	(1) 11 ft. 3 in.
700 to 765	(1) 14 ft. 11 in.

Footnote (1) NOTE: For 345-362 kv., 500-552 kv., and 700-765 kv., minimum clear hot stick distance may be reduced provided that such distances are not less than the shortest distance between the energized part and the grounded surface.

CAUTION: THE PRODUCTS WE SUPPLY ARE INTENDED TO BE USED AND SERVICED ONLY BY PROFESSIONAL PERSONNEL WHO HAVE BEEN TRAINED IN PROPER WORK AND SAFETY PRACTICES RELATING TO THE USE OF THIS TYPE OF PRODUCT. THE INFORMATION PROVIDED ON THE PRODUCTS DOES NOT COVER EVERY POSSIBLE CONTINGENCY TO BE ENCOUNTERED AND IT IS NOT INTENDED TO BE USED AS A SUBSTITUTE FOR ADEQUATE TRAINING AND EXPERIENCE. IF SPECIFIC SITUATIONS OR QUESTIONS ARISE REGARDING THE USE OF THE PRODUCTS OR, IF ADDITIONAL INFORMATION IS REQUIRED, PHONE OR WRITE THE FACTORY BEFORE PROCEEDING.