

## PRODUCT SPECIFICATION SHEET

### DESCRIPTION

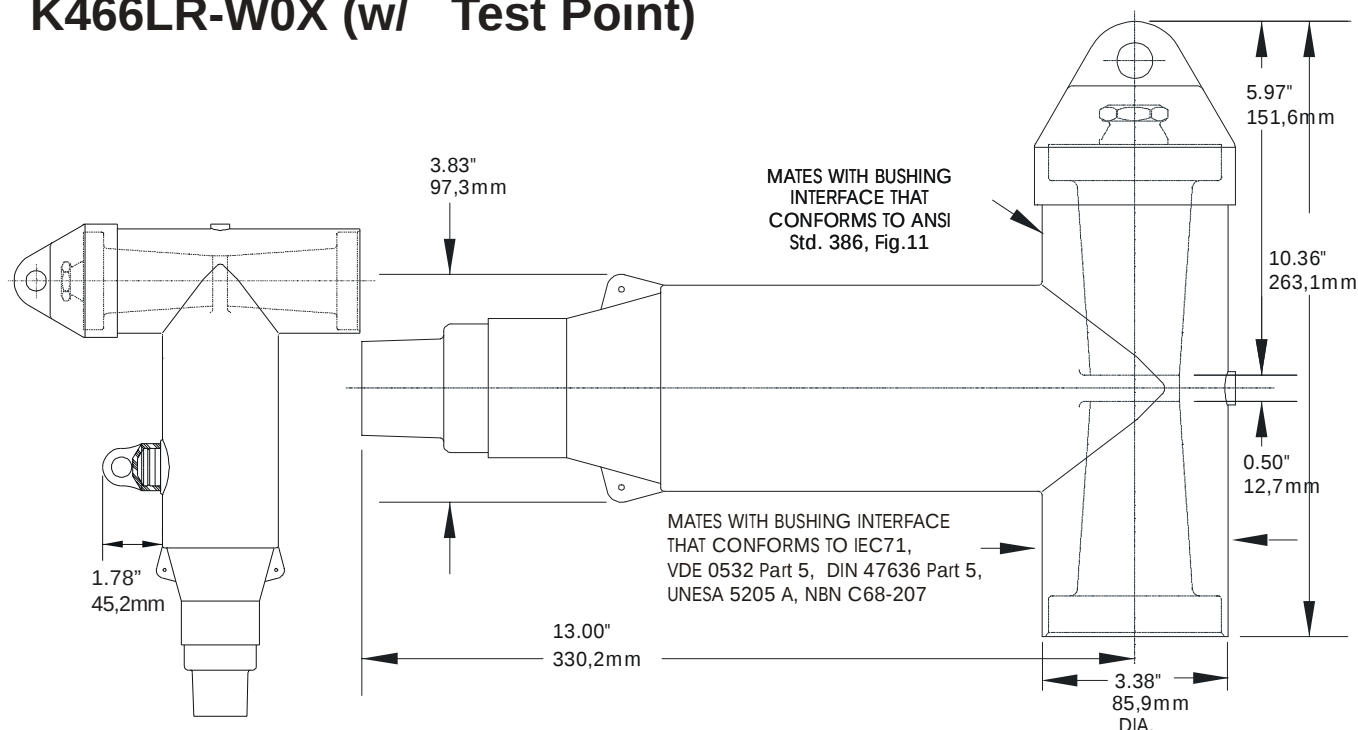
**15/25kV 630A Deadbreak Elbow**

### ELASTIMOLD PART NUMBER

**K465LR-W0X**

**K465LR-W0X (w/o Test Point)**

**K466LR-W0X (w/ Test Point)**



### Application:

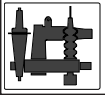
The K465LR (without test point) and the K466LR (with test point) are designed to provide fully-shielded, dead-front submersible cable connections to high-voltage apparatus. The K465LR/K466LR can be used through 25 kV with conductor range from 1/0 to 1000 kcmil (or up to 630 mm<sup>2</sup> for aluminum and copper conductors and insulation diameters from .640 " to 1.935 ". When used on metallic tape shield or drain wire cable, a 20MA or 21MA grounding device or an ECS cable seal is recommended.

### Features:

One end of the bushing interface conform to IEC71 for using with standard 630 A European switchgear, while the other end has an standard ANSI 386 Fig 11 bushing interface. This unique feature enable the K465LR/K466LR to use many standard Elastimold 600 A accessories for loadbreak/deadbreak 200 A taping, grounding or isolation of the circuit.

### Ratings:

Exceeds ANSI/IEEE Standard 386  
 25kV Voltage Class  
 16.2kV Max Phase-to-Ground - Operating Voltage  
 28kV Max Phase-to-Phase  
 140kV BIL - Impulse Withstand (1.2 x 50 microsecond wave)  
 55kV AC - One minute Withstand  
 84kV DC - 15 Minutes Withstand  
 21.5kV AC - Corona Extinction @ 3p.C.sensitivity  
 630 Amp - Continuous current  
 1250 Amp - Maximum continuous current when equipment is also rated for 1250A  
 Short circuit: RMS symm. >28kA  
 Peak asymm. >70 kA



## 15/25kV 630A Deadbreak Elbow

**K465LR-W0X**  
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### Ordering Instruction:

#### Step 1

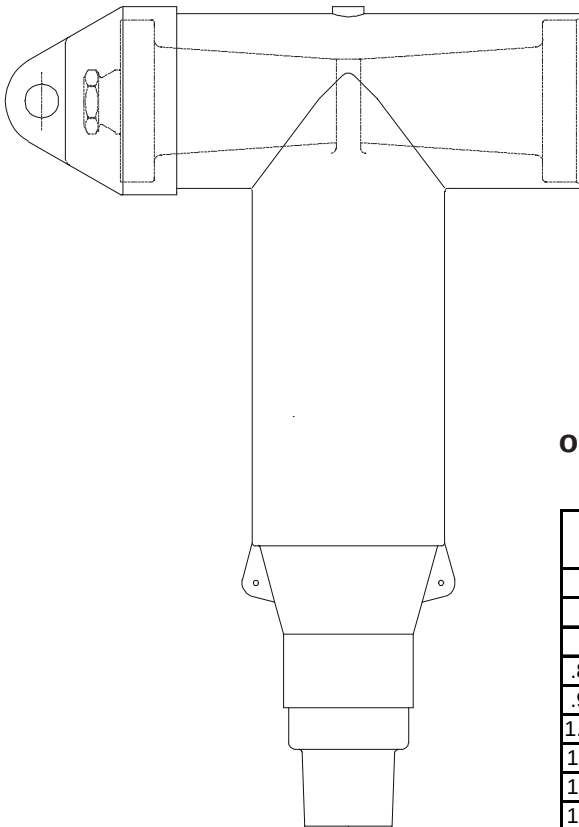
Specify K465LR without test point or K466LR with test point.

#### Step 2 (W)

Determine the insulation diameter of the cable. Select the insulation letter code that best straddles the insulation diameter from table 1. Insert code into catalog number.

#### Step 3 (X)

Choose the proper compression lug code according to the conductor size from table 2. Insert code into the catalog number .



or **K465LR** — Step 2 (W) — Step 3 (X)  
**K466LR** —  — 0

| Cable Insulation Dia. Range |             | Elbow | AWG or kcmil     |                | mm <sup>2</sup> | Symbol for "X" |
|-----------------------------|-------------|-------|------------------|----------------|-----------------|----------------|
| Inches                      | mm          | Code  | Stranded/ Compr. | Solid/ Compact | Compact Only    |                |
| .640 - .820                 | 16,3 - 20,8 | F     | 3                | 2              | --              | 210            |
| .760 - .950                 | 19,3 - 24,1 | G     | 2                | 1              | 35              | 220            |
| .850 - 1.050                | 21,6 - 26,7 | H     | 1                | 1/0            | 50              | 230            |
| .980 - 1.180                | 24,9 - 30,0 | J     | 1/0              | 2/0            | --              | 240            |
| 1.090 - 1.310               | 27,7 - 33,3 | K     | 2/0              | 3/0            | 70              | 250            |
| 1.180 - 1.465               | 30,0 - 37,2 | L     | 3/0              | 4/0            | 95              | 260            |
| 1.280 - 1.430               | 32,5 - 36,3 | LM    | 4/0              | 250            | 125             | 270            |
| 1.370 - 1.630               | 34,8 - 41,4 | M     | 250              | 300            | --              | 280            |
| 1.515 - 1.780               | 38,5 - 45,2 | N     | 300              | 350            | 150             | 290            |
| 1.725 - 1.935               | 43,8 - 49,1 | P     | 350              | 400            | 185             | 300            |
| Table 1                     |             |       | 400              | 450            | 240             | 310            |
|                             |             |       | 450              | 500/550        | --              | 320            |
|                             |             |       | 500              | 600            | 250/300         | 330            |
|                             |             |       | 600              | 700            | --              | 350            |
|                             |             |       | 650              | 750            | 400             | 360            |
|                             |             |       | 700/750          | 900            | --              | 380            |
|                             |             |       | 800              | --             | --              | 390            |
|                             |             |       | 900              | 1000           | 500             | 400            |
|                             |             |       | 1000             | --             | --              | 410            |
|                             |             |       | --               | 1250           | 630             | 420            |
|                             |             |       | 1250             | --             | --              | 440            |
|                             |             |       | 1300             | --             | --              | 450            |

### The 630A elbow (without test point) Connector kit contains the following:

|                              |                    |
|------------------------------|--------------------|
| 1 – Elbow connector housing  | K465BLR            |
| 1 – Stud                     | 460SA              |
| 1 – Compression lug          | 03700XXX (Table 1) |
| 1 – Insulated Plug (w/cap)   | K650BIP            |
| 3 – Tube, lubricant          | 82-08              |
| 1 – Cable adapter            | 655CA-W (Table 2)  |
| 1 – Installation instruction | IS-465LR 10/97     |
| 1 – Crimp chart              | IS-03700CC 5/98    |

### Example:

The ordering number for a 630A deadbreak elbow without test point for a 240mm<sup>2</sup>, 4.50 mm wall cable with an insulation diameter of .940" (29,0 mm) is K465LR-K-0310.

For an all-copper compression lug for use on copper cable only, substitute the prefix "2" instead of "0" in the compression lug code. The ordering number would be K465LR-K-2310.