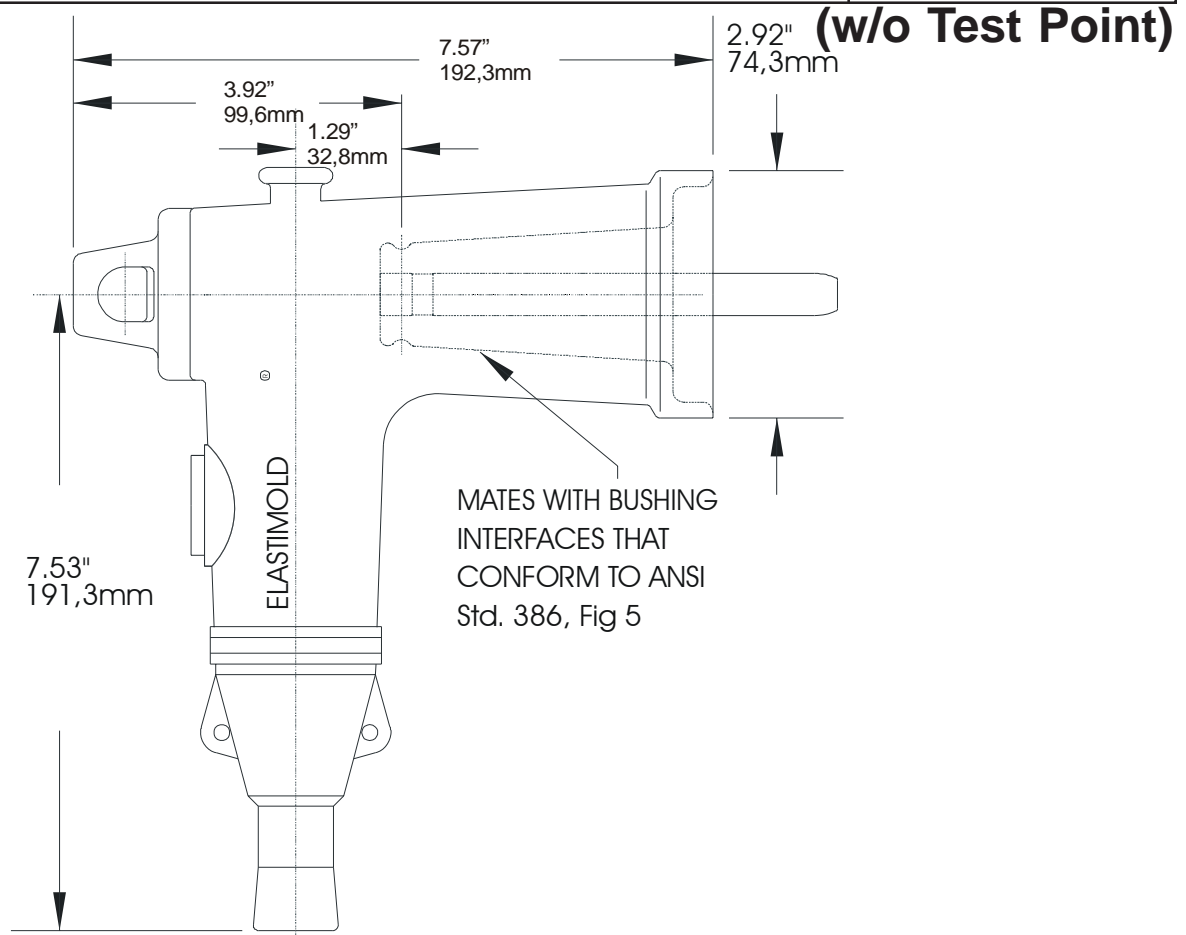


PRODUCT SPECIFICATION SHEET
I T C
15kV 200A Loadbreak Elbow
165LR-W5X


The Elastimold 165LR Elbow Connector is a fully rated 15kV, 200 Amp Class loadbreak connector. It includes provisions for energized operation using standard hotstick tools allowing loadmake/loadbreak operation and a visible disconnect. It has a standard interface for connecting to 15kV, 200 Amp bushing inserts, junctions and operating accessories.

Features

- 15kV, 200 Amp Loadbreak Elbow
- Fully shielded, fully submersible molded rubber housing.
- 100% peroxide-cured construction includes insulation and conductive EPDM materials.
- Provision for hot stick operation.
- Provision for ground wire connection.
- Wide cable range with minimum number of sizes.
- Long bi-metal compression lug is standard.

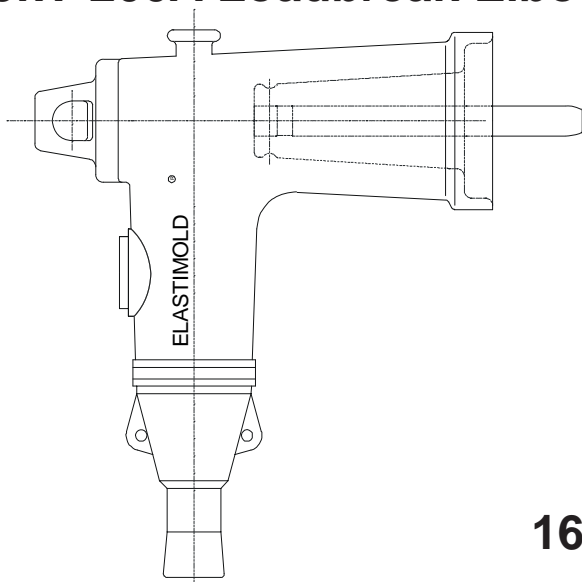
Ratings

- per ANSI/IEEE Standard 386
- 15kV Voltage Class
- 8.3 kV Max Phase-to-Ground - Operating Voltage
- 14.4kV Max Phase-to-Phase
- 95kV BIL - Impulse Withstand (1.2 x 50 microsecond wave)
- 34kV AC - One minute Withstand
- 53kV DC - 15 Minutes Withstand
- 11kV AC - Corona Extinction @ 3p.C.sensitivity
- 200Amp - Continuous and Loadbreak
- 10kA Sym - 10 Cycles Momentary & Fault Close

Applications

The 165LR is designed for connecting to and operating 15kV Class, 200 Amp distribution apparatus. It provides a convenient method to connect/disconnect cable and equipment on power distribution systems. The 165LR allows connection of cables with insulation diameters from .575" (14,6mm) to 1.220" (31,0mm) with only four elbow sizes. (#2 solid, 175 mil to 4/0 stranded, 260 mil)

15kV 200A Loadbreak Elbow (w/o Test Point) 165LR-W5X



Ordering Instruction:

Step 1 (W)

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

Step 2 (M)

Connector material, 5 - for standard copper top bi-metal or 2 - for copper.

Step 3 (X)

Choose the proper compression lug code according to the conductor size. Insert code into the catalog number after the insulation code.

165LR - - **5***

Cable Insulation Dia. Range		Elbow Code
inches	mm	
.575 - .740	14,6 - 18,8	A
.635 - .905	16,1 - 23,0	B
.830 - 1.060	21,1 - 26,9	C
.930 - 1.220	23,6 - 31,0	D

COMPRESSION LUG			
AWG or kcmil		mm ²	Symbol
Stranded/Compr.	Solid/Compact	Compact Only	for "X"
4	4	16	190
3	3	22	200
--	2	25	210
2	1	35	220
1	1/0	50	230
1/0	2/0	60	240
2/0	3/0	70	250
3/0	4/0	95	260
4/0	250	125	270

*Cu or AL conductor

The Elbow Connector kit contains the following:

- 1 - Elbow connector housing 165BLR-W
- 1 - Bi-metal compression lug 02500XXX (Table R)
- 1 - Probe 166LRF
- 1 - Probe wrench 271-94
- 1 - Tube, lubricant 82-08
- 1 - Installation instruction IS-0164
- 1 - Crimp chart CC-0020

Example:

The ordering number for an Elbow Connector for a 1/0 stranded, 220 mil wall cable with an insulation diameter of .875" (22.2 mm) is 165LR-B-5240.

*For an all-copper compression lug for use on copper cable only, substitute the prefix "2" instead of "5" in the compression lug code. The ordering number would be 165LR-B-2240.

Table R

AWG or kcmil		mm ²	Symbol for Copper	Symbol for Bi-Metal
Stranded/Compr.	Solid/Compact	Compact Only		
4	4	16	02702190	02500190
3	3	22	02702200	02500200
--	2	30	02702210	02500210
2	1	35	02702220	02500220
1	1/0	50	02702230	02500230
1/0	2/0	60	02702240	02500240
2/0	3/0	70	02702250	02500250
3/0	4/0	95	02702260	02500260
4/0	250	125	02702270	02500270

*Cu or Al Conductor