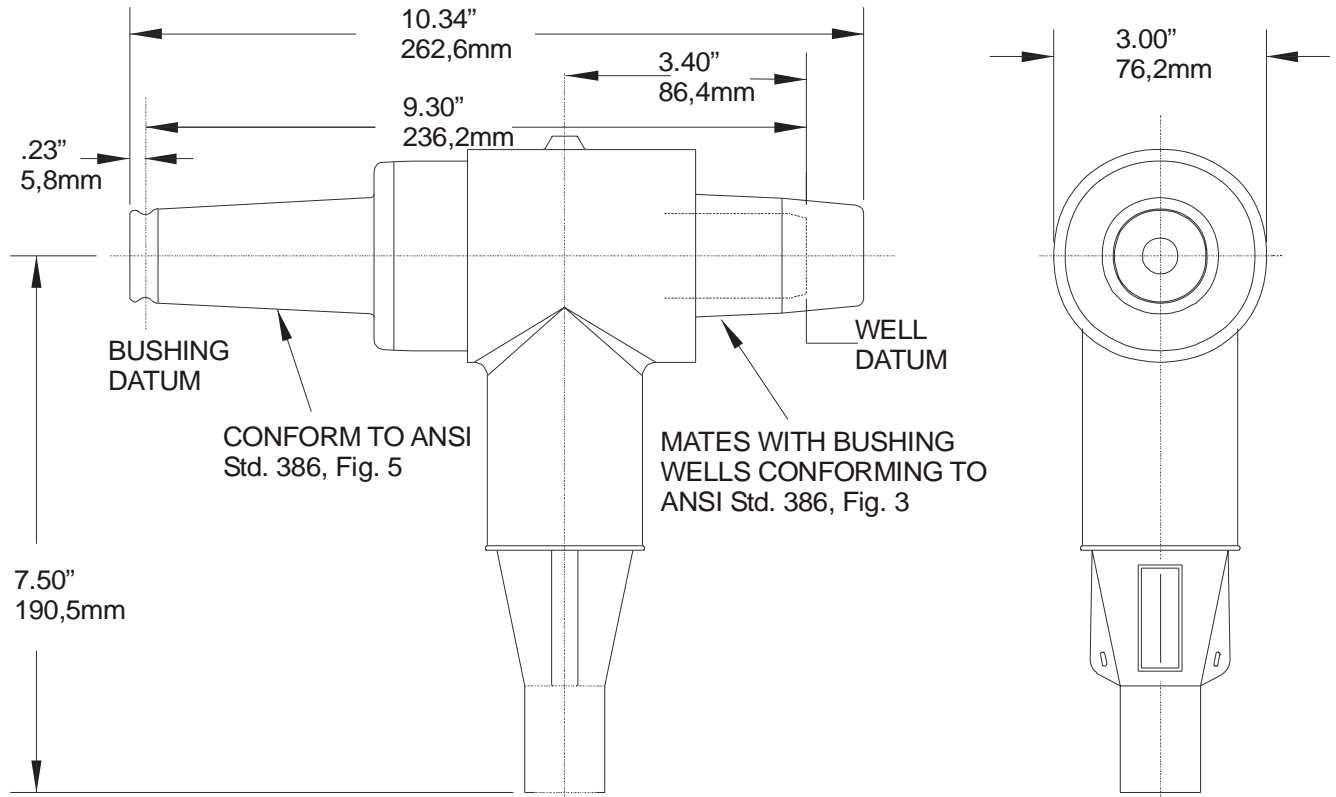


PRODUCT SPECIFICATION SHEET
I T C
15kV 200A Bolted Elbow
167LRT-W5X


The Elastimold 167LRT Bolted Elbow with Tap is a loadbreak elbow connector with a loadbreak tap. It is rated as a 200 AMP, 15kV deadbreak connector. The 167LRT is installed using the installation tool supplied with the product kit. The loadbreak-rated tap point must be covered with an insulated cap when not in use.

Features

- 15kV, 200A Deadbreak Elbow Connector.
- 15kV, 200 Amp Loadbreak tap point.
- Fully-shielded, fully submersible molded rubber housing (when mated with the appropriate connector or insulated cap).
- Peroxide-cured insulation, insert and jacket.

Ratings

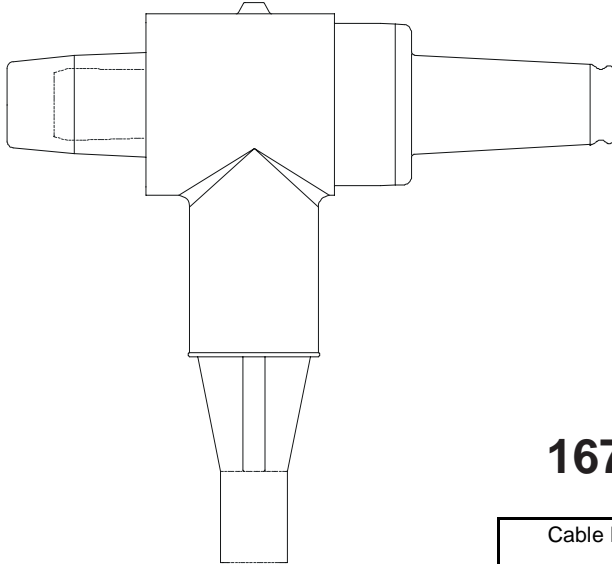
per ANSI/IEEE Standard 386
 15kV Voltage Class
 8.3 kV Max Phase-to-Ground - Operating Voltage
 14.4kV Max Phase-to-Phase
 95kV BIL - Impulse Withstand (1.2 x 50 microsecond wave)
 34kV AC - One minute Withstand
 53kV DC - 15 Minute Withstand
 11kV AC - Corona Extinction @ 3p.C.sensitivity
 200Amp -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

Applications

- The 167LRT Bolted Elbow with Tap is designed for connecting to and operating 15kV-class, 95BIL distribution apparatus.
- The 167LRT provides a fully-rated loadbreak operating interface for phasing, grounding, testing or arrester protection.

15kV 200A Bolted Elbow

167LRT-WX



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 (X)

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

Step 1 (W) Step 2 (X)

167LRT – – **5**

Cable Insulation Dia. Range		Elbow Code
Inches	mm	
.760 - .950	19.30 – 24.13	G
.850 – 1.050	21.59 – 26.67	H
.980 – 1.180	24.89 – 29.97	J
1.090 – 1.310	27.69 – 33.27	K

COMPRESSION LUG			
AWG or kcmil		mm ²	Symbol for "X"
Stranded/ Compr.	Solid/ Compact	Compact Only	
--	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 Bolted Elbow kit contains the following:

- 1 – Elbow connector housing 167LRT-W
- 1 – Compression lug 02800X (Table R)
- 1 – Stud extender (well contact) 167-112
- 1 – Lubricant 82-08
- 1 – Installation tool 200-15
- 1 – Wrench 271-94
- 1 – Installation instruction IS-0354-167LRT (A) 10/00
- 1 – Crimp chart IS-0020-02500CC 06/00

Example:

The ordering number for a Bolted Elbow for a 1/0 AWG, 200 mil wall cable with an insulation diameter of .875" (22,2mm) is 167LRT-G-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 167LRT-G-2240.

Table R

REPLACEMENT COMPRESSION LUG NUMBER			
AWG or kcmil		mm ²	Symbol for BI-METAL
Stranded/ Compr.	Solid/ Compact	Compact Only	
--	2	25	02800210
2	1	35	02800220
1	1/0	50	02800230
1/0	2/0	60	02800240
2/0	3/0	70	02800250
3/0	4/0	95	02800260
4/0	250	125	02800270

*Cu or Al conductor