

ELASTIMOLD

ISSUE DATE 0199

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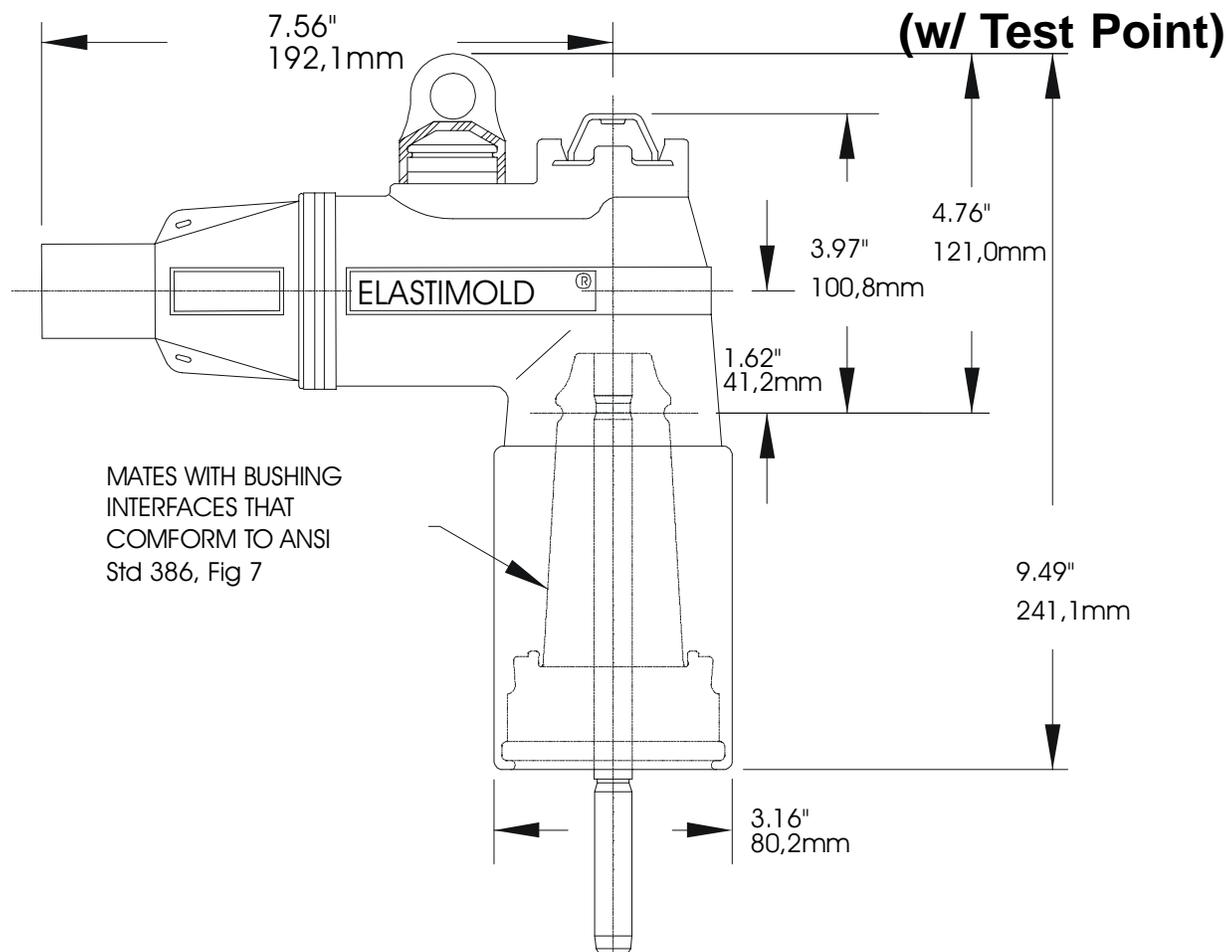
PRODUCT SPECIFICATION SHEET

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DESCRIPTION

35kV 200A Loadbreak Elbow

ELASTIMOLD PART NUMBER

376LR-WX

The Elastimold 376LR Elbow Connector is a fully-rated 35kV, 200Amp Class loadbreak connector. It includes provisions for energized operation using standard hot stick tools allowing loadmake/break operation and a visible disconnect. It has a standard interface for connecting to 35kV, 200Amp bushing inserts, junctions and operating accessories. The 376LR is equipped with an integral voltage test point.

Features:

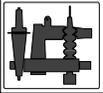
- 35kV, 200 Amp Loadbreak Elbow.
- Fully shielded, fully submersible molded rubber housing.
- 100% peroxide-cured construction includes insulation and conductive EPDM materials.
- Non-corrosive, capacitively coupled voltage test point provision with removable protective cap.
- Provision for hot stick 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
 35kV Voltage Class 1 Ø and 3 Ø
 21.1kV Max Phase-to-Ground - Operating Voltage
 36.6kV Max Phase-to-Phase
 150kV BIL - Impulse Withstand (1.2 x 50 microsecond wave)
 50kV AC - One minute Withstand
 103kV DC - 15 Minutes Withstand
 26kV AC - Corona Extinction @ 3p.C.sensitivity
 200 Amp - Continuous and Loadbreak
 10kA Sym - 10 Cycles Momentary & Fault Close.

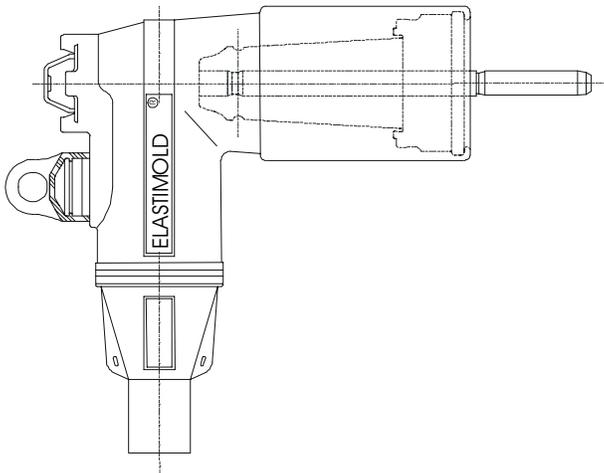
Applications

The 375LR is designed for connecting to and operating 35kV Class, 200Amp distribution apparatus. It provides a convenient method to connect cable and equipment on power distribution systems. The 375LR allows connection of cables with insulation diameters from .760" (19.3mm) to 1.460" (37.2mm) with only four elbow sizes. (1/0 solid, 345 mil to 4/0 stranded, 345 mil).



35kV 200A Loadbreak Elbow (w/ Test Point)

376LR-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.

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Cable Insulation Dia. Range		Elbow Code
Inches	mm	
.760 - .950	19.3 - 24.1	G
.850 - 1.050	16.9 - 23.0	H
.980 - 1.180	24.9 - 30.0	J
1.090 - 13.10	27.7 - 33.3	K
1.235 - 1.460	31.4 - 37.2	L

Conductor Size* (AWG or kCMil)	Compression Lug Code Number	
	Stranded/Compr.	Solid/Compact
2	220	210
1	230	220
1/0	240	230
2/0	250	240
3/0	260	250
4/0	270	260
250	-	270

*Cu or Al conductor

The Elbow Connector kit contains the following:

- 1 - Elbow connector housing 376BLR-W
- 1 - Bi-metal compression lug 02500XXX (Table R)
- 1 - Probe 376LRF
- 1 - Probe wrench 271-94
- 1 - Tube, lubricant 82-08
- 1 - Installation instruction IS-375/376LR (E) 7/95
- 1 - Crimp chart IS-02500CC 10/96

Example:

The ordering number for an Elbow Connector for a 1/0 stranded, 345 mil wall cable with an insulation diameter of 1.125" (28.6 mm) is 376LR-J-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 376LR-J-2240.

Table R

Conductor Size (AWG or kCMil)	Replacement Lug Number	
	Stranded/Compr.	Solid/Compact
2	02500220	02500210
1	02500230	02500220
1/0	02500240	02500230
2/0	02500250	02500240
3/0	02500260	02500250
4/0	02500270	02500260
250	-	02500270

*Cu or Al conductor