

MPS Catalog Number:

S1 90 80 037 MX AL 023

Date:

01/23/2014

**END FITTINGS**

Tower End Fitting:

Eye (Forged Steel)

Line End Fitting:

Ball (Forged Steel) (ANSI 52-5)

**MATERIAL**

Corona Ring (Tower):

None

Corona Ring (Line):

None

Corona Rings are recommended for applications of 230 kV and above

Number of Sheds:

11 large 12 standard

Rod Diameter:

16 mm

Weight Estimate:

8.5 lbs 3.9 kg

**DIMENSIONAL VALUES**

Section Length (L):

48.3 in 1,227 mm

Rubber Length (X):

36.6 in 930 mm

Standard Shed Height (P1):

1.5 in 38 mm

Large Shed Height (P2):

2 in 51 mm

Projection Ratio (S/P):

- 1.5

Shed Spacing (S):

3 in 76 mm

Dry Arc Distance:

38.8 in 986 mm

Leakage Distance:

103.5 in 2,629 mm

**ELECTRICAL VALUES**

60 Hz Dry Flashover:

384 kV Min. Withstand: 356 kV

60 Hz Wet Flashover:

346 kV Min. Withstand: 301 kV

Pos. Critical Impulse Flashover:

662 kV Min. Withstand: 572 kV

Neg. Critical Impulse Flashover:

705 kV Min. Withstand: 617 kV

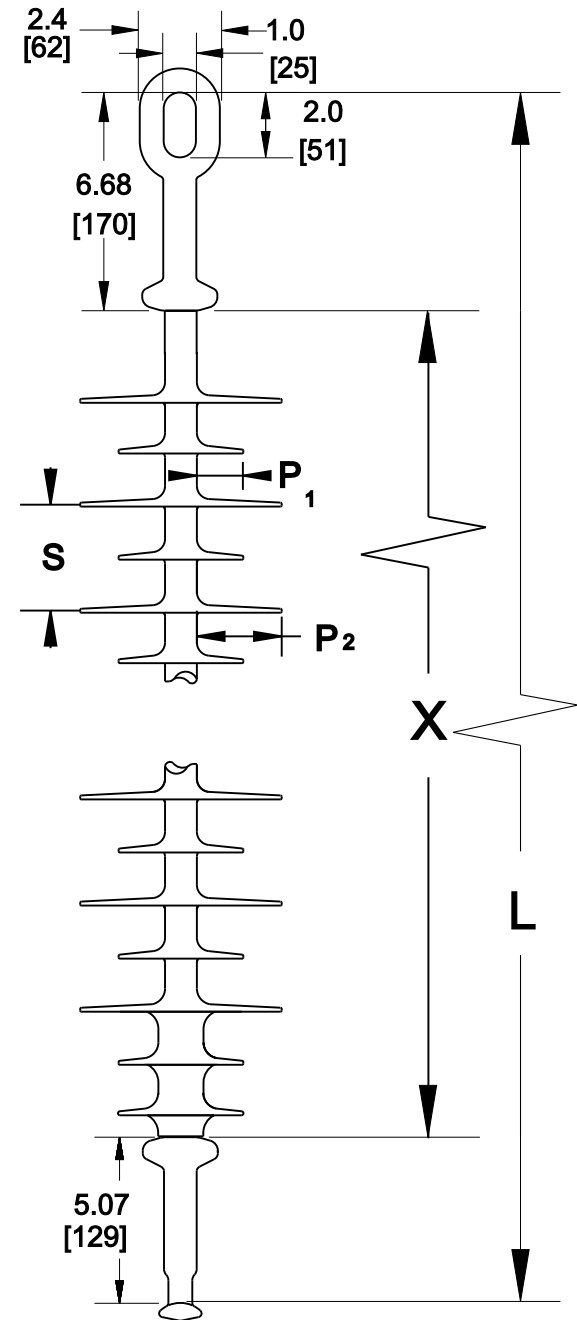
**MECHANICAL VALUES**

Specified Mech. Load (SML):

25,000 lbs 111.2 kN

Routine Test Load (RTL):

12,500 lbs 55.6 kN



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Dimensions: inches [millimeters]

Note: Drawing not actual depiction of insulator appearance

Silicone Rubber Sheath & Sheds  
Complies with applicable ANSI and IEC standards.