

MPS Catalog Number:

S1 90 90 031 MX AL 019

Date:

01/23/2014

END FITTINGS

Tower End Fitting:

Eye (Forged Steel)

Line End Fitting:

Eye (Forged Steel)

MATERIAL

Corona Ring (Tower):

None

Corona Ring (Line):

None

Corona Rings are recommended for applications of 230 kV and above

Number of Sheds:

9 large 10 standard

Rod Diameter:

16 mm

Weight Estimate:

8.4 lbs 3.8 kg

DIMENSIONAL VALUES

Section Length (L):

43.9 in 1,115 mm

Rubber Length (X):

30.5 in 775 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:

32.8 in 833 mm

Leakage Distance:

85.2 in 2,164 mm

ELECTRICAL VALUES

60 Hz Dry Flashover:

327 kV Min. Withstand: 304 kV

60 Hz Wet Flashover:

295 kV Min. Withstand: 257 kV

Pos. Critical Impulse Flashover:

566 kV Min. Withstand: 487 kV

Neg. Critical Impulse Flashover:

605 kV Min. Withstand: 531 kV

MECHANICAL VALUES

Specified Mech. Load (SML):

25,000 lbs 111.2 kN

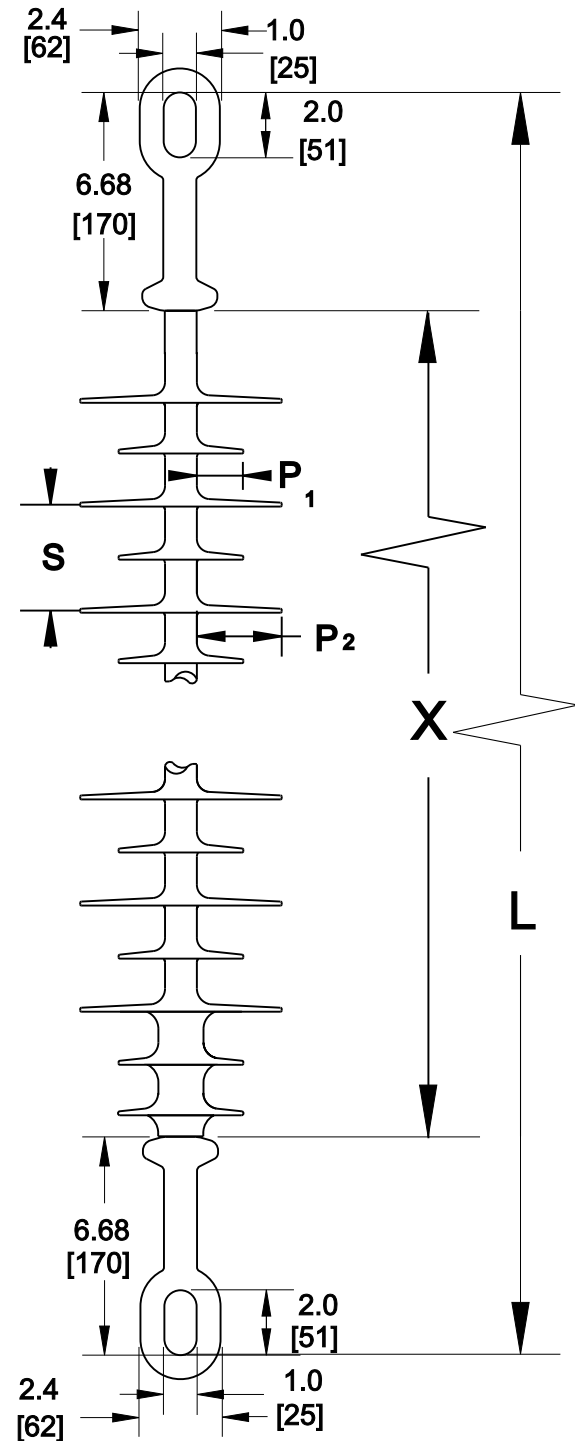
Routine Test Load (RTL):

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.