

MPS Catalog Number:
Date:

S1 90 90 042 MX AL 027
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: 13 large 14 standard
Rod Diameter: 16 mm
Weight Estimate: 10.1 lbs 4.6 kg

DIMENSIONAL VALUES

Section Length (L): 55.8 in 1,417 mm
Rubber Length (X): 42.4 in 1,077 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: 44.8 in 1,138 mm
Leakage Distance: 121.8 in 3,094 mm

ELECTRICAL VALUES

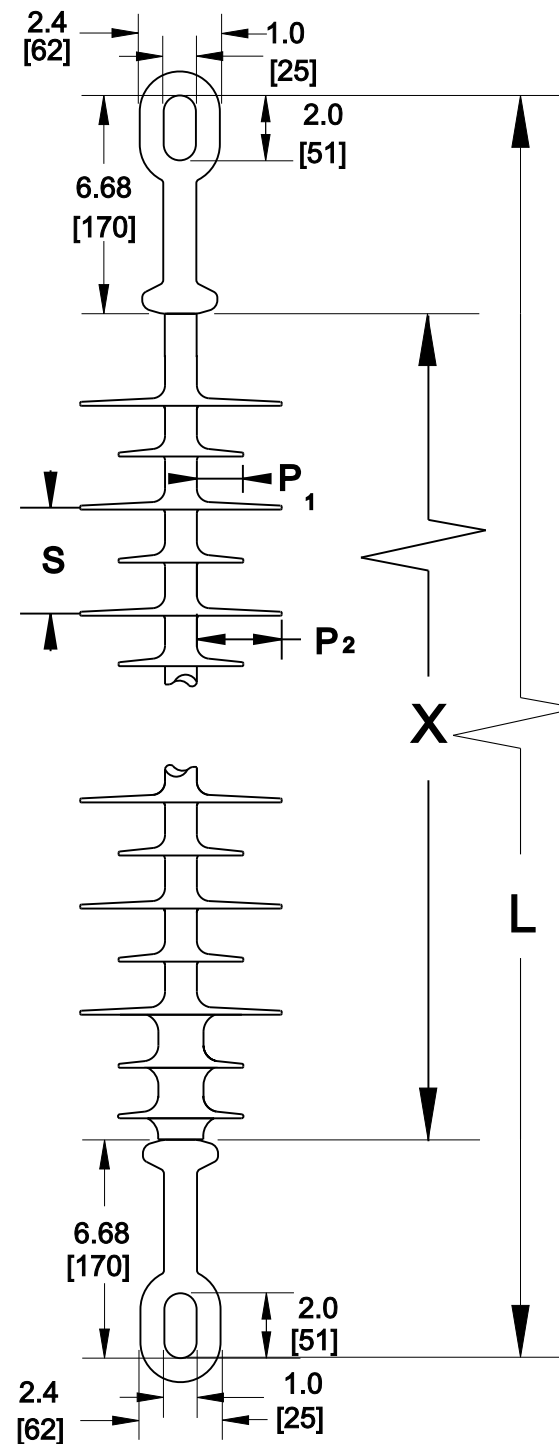
60 Hz Dry Flashover: 441 kV Min. Withstand: 408 kV
60 Hz Wet Flashover: 395 kV Min. Withstand: 344 kV
Pos. Critical Impulse Flashover: 757 kV Min. Withstand: 656 kV
Neg. Critical Impulse Flashover: 803 kV Min. Withstand: 704 kV

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.