

MPS Catalog Number:
Date:

S1 90 80 078 MX AL 051
01/24/2014

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: 25 large 26 standard
Rod Diameter: 16 mm
Weight Estimate: 14.4 lbs 6.5 kg

DIMENSIONAL VALUES

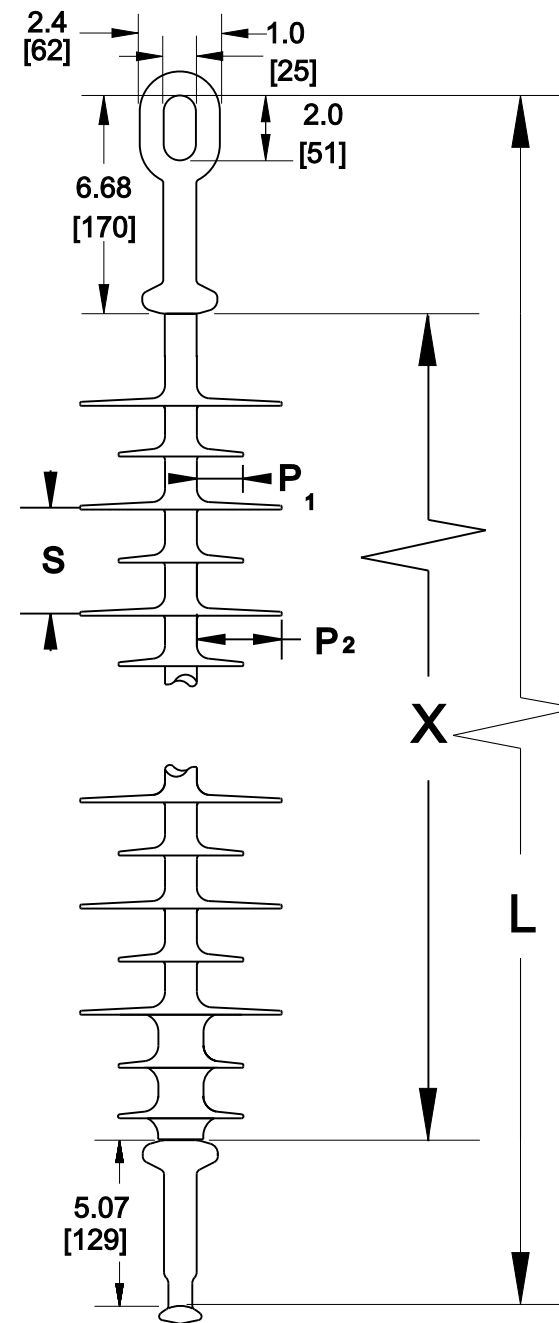
Section Length (L): 90 in 2,289 mm
Rubber Length (X): 78.3 in 1,989 mm
Standard Shed Height (P1): 1.5 in 38 mm
Large Shed Height (P2): 2 in 51 mm
Projection Ratio (S/P): - 1.5
Shed Spacing (S): 3 in 76 mm
Dry Arc Distance: 80.7 in 2,050 mm
Leakage Distance: 231.6 in 5,883 mm

ELECTRICAL VALUES

60 Hz Dry Flashover: 783 kV Min. Withstand: 707 kV
60 Hz Wet Flashover: 670 kV Min. Withstand: 583 kV
Pos. Critical Impulse Flashover: 1,302 kV Min. Withstand: 1,161 kV
Neg. Critical Impulse Flashover: 1,362 kV Min. Withstand: 1,221 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.