

MPS Catalog Number:
Date:

S1 40 80 062 MX AL 040
01/23/2014

END FITTINGS

Tower End Fitting: Y-Clevis (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: 19 large 21 standard
Rod Diameter: 16 mm
Weight Estimate: 12.3 lbs 5.6 kg

DIMENSIONAL VALUES

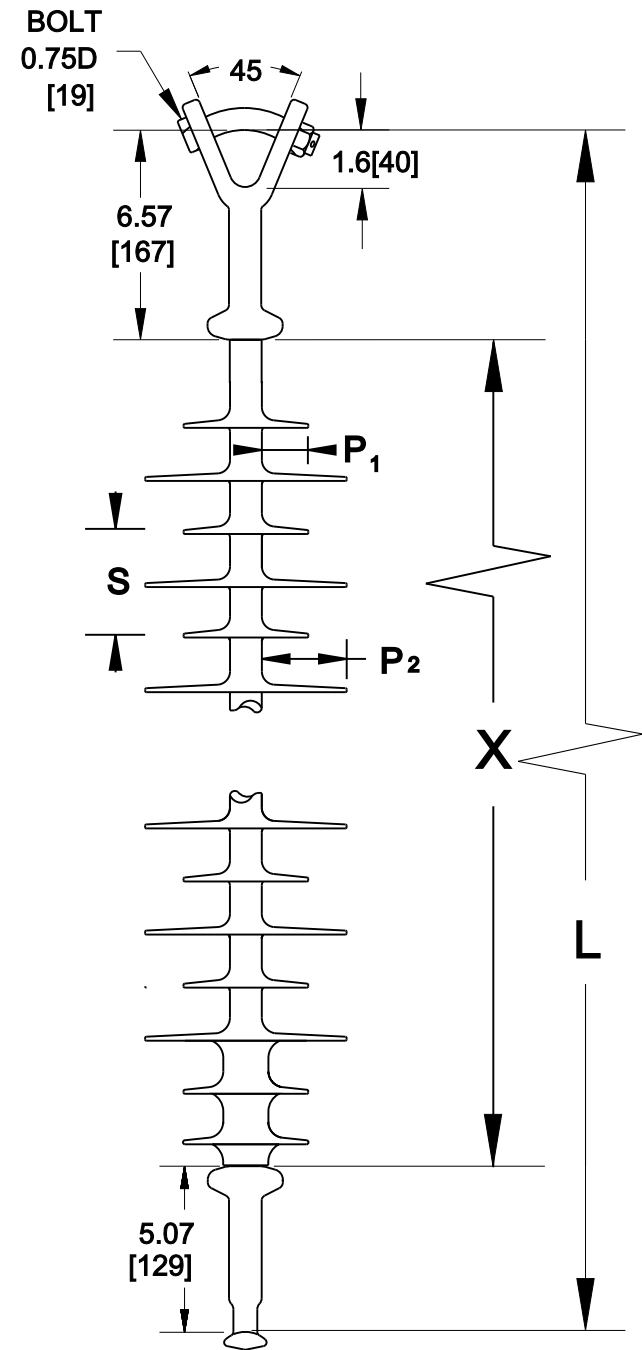
Section Length (L): 73.5 in 1,867 mm
Rubber Length (X): 61.9 in 1,572 mm
Standard Shed Height (P1): 1.5 in 38 mm
Large Shed Height (P2): 2 in 51 mm
Projection Ratio (S/P): - 1.5
Shed Spacing (S): 3 in 76 mm
Dry Arc Distance: 63.7 in 1,618 mm
Leakage Distance: 180.7 in 4,590 mm

ELECTRICAL VALUES

60 Hz Dry Flashover: 621 kV Min. Withstand: 568 kV
60 Hz Wet Flashover: 545 kV Min. Withstand: 474 kV
Pos. Critical Impulse Flashover: 1,048 kV Min. Withstand: 922 kV
Neg. Critical Impulse Flashover: 1,103 kV Min. Withstand: 976 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.