

MPS Catalog Number:
Date:

S1 40 80 054 MX AL 035
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: 17 large 18 standard
Rod Diameter: 16 mm
Weight Estimate: 11.3 lbs 5.1 kg

DIMENSIONAL VALUES

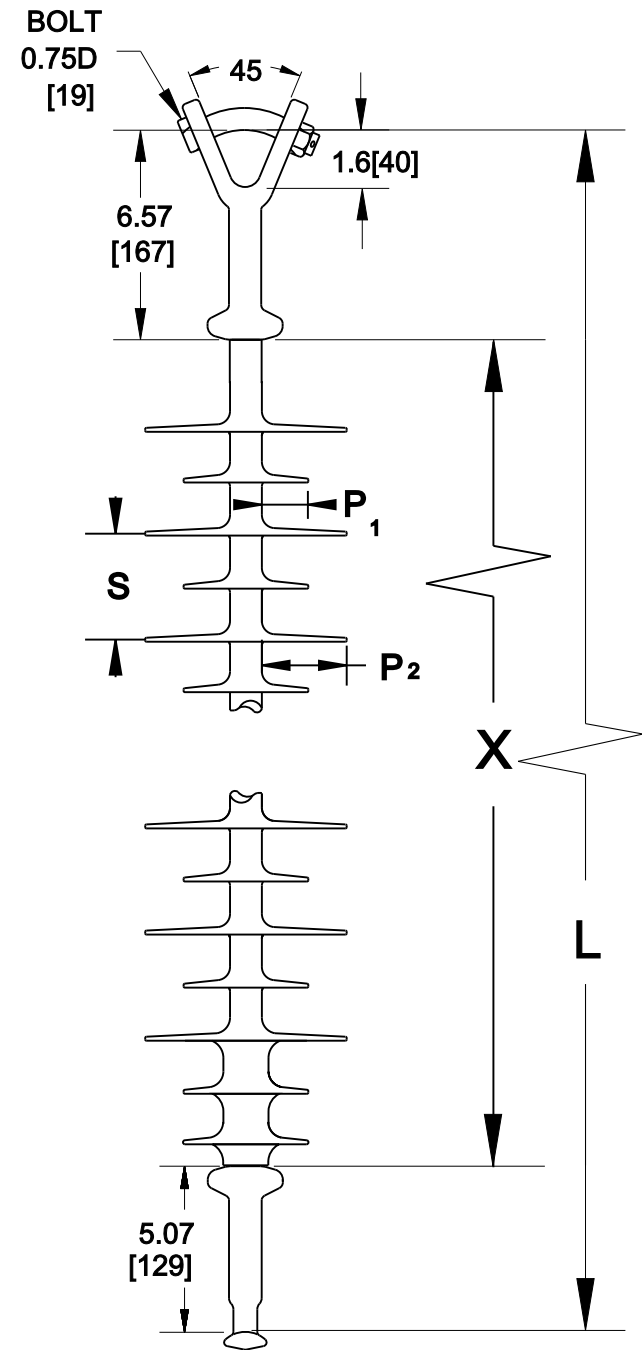
Section Length (L): 66 in 1,676 mm
Rubber Length (X): 54.4 in 1,382 mm
Standard Shed Height (P1): 1.5 in 38 mm
Large Shed Height (P2): 2 in 51 mm
Projection Ratio (S/P): - 1.5
Shed Spacing (S): 3 in 76 mm
Dry Arc Distance: 56.7 in 1,440 mm
Leakage Distance: 158.4 in 4,023 mm

ELECTRICAL VALUES

60 Hz Dry Flashover: 554 kV Min. Withstand: 510 kV
60 Hz Wet Flashover: 491 kV Min. Withstand: 427 kV
Pos. Critical Impulse Flashover: 942 kV Min. Withstand: 824 kV
Neg. Critical Impulse Flashover: 994 kV Min. Withstand: 875 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.