

MPS Catalog Number:
Date:

S1 40 80 108 VB SS 047
09/05/2013

END FITTINGS

Tower End Fitting: Y-Clevis
Line End Fitting: Ball (ANSI 52-5)

MATERIAL

Corona Ring (Tower): None
Corona Ring (Line): 12" Corona Ring
Corona Rings are recommended for applications of 230 kV and above
Number of Sheds: 47 standard
Rod Diameter: 16 mm
Weight Estimate: 25.5 lbs 11.6 kg

DIMENSIONAL VALUES

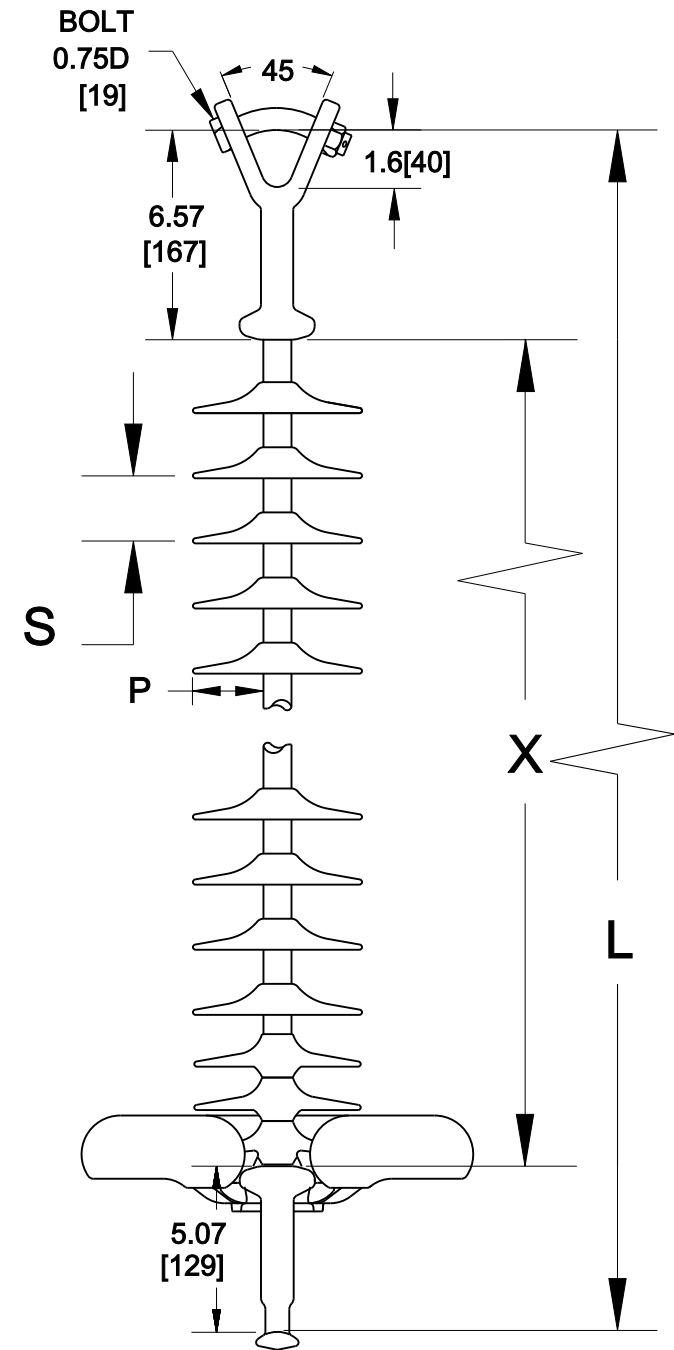
Section Length (L): 119.2 in 3,028 mm
Rubber Length (X): 108 in 2,732 mm
Standard Shed Height (P): 2.1 in 54 mm
Shed Spacing (S): 2.34 in 59 mm
Dry Arc Distance: 107.7 in 2,736 mm
Leakage Distance: 288.7 in 7,333 mm

ELECTRICAL VALUES

60 Hz Dry Flashover: 1,023 kV Min. Withstand: 920 kV
60 Hz Wet Flashover: 877 kV Min. Withstand: 737 kV
Pos. Critical Impulse Flashover: 1,697 kV Min. Withstand: 1,529 kV
Neg. Critical Impulse Flashover: 1,763 kV Min. Withstand: 1,593 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.