

MPS Catalog Number:
Date:

S1 40 80 114 VB SS 046
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: 46 standard
Rod Diameter: 16 mm
Weight Estimate: 25.5 lbs 11.6 kg

DIMENSIONAL VALUES

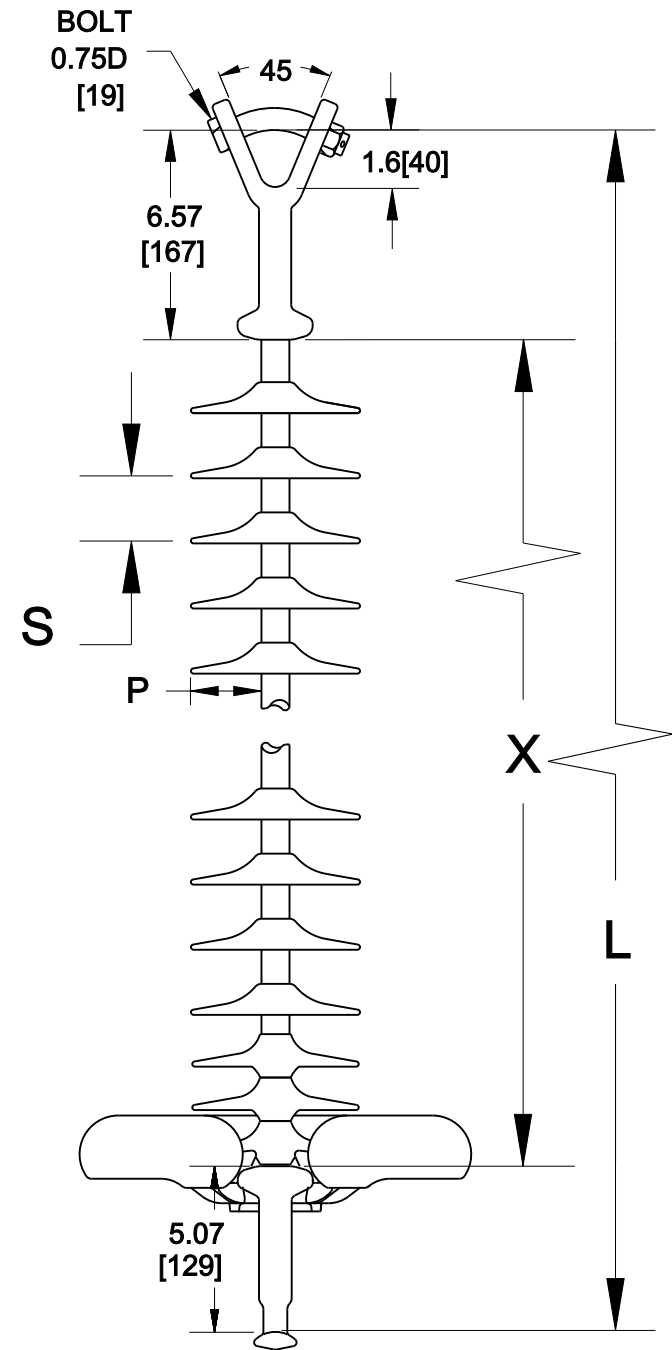
Section Length (L): 125.2 in 3,180 mm
Rubber Length (X): 114 in 2,884 mm
Standard Shed Height (P): 2.1 in 54 mm
Shed Spacing (S): 2.54 in 65 mm
Dry Arc Distance: 113.7 in 2,888 mm
Leakage Distance: 290.8 in 7,386 mm

ELECTRICAL VALUES

60 Hz Dry Flashover: 1,067 kV Min. Withstand: 966 kV
60 Hz Wet Flashover: 920 kV Min. Withstand: 768 kV
Pos. Critical Impulse Flashover: 1,784 kV Min. Withstand: 1,603 kV
Neg. Critical Impulse Flashover: 1,850 kV Min. Withstand: 1,667 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.