

MPS Catalog Number:
Date:

S1 40 80 120 VB SS 044
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: 44 standard
Rod Diameter: 16 mm
Weight Estimate: 25.2 lbs 11.4 kg

DIMENSIONAL VALUES

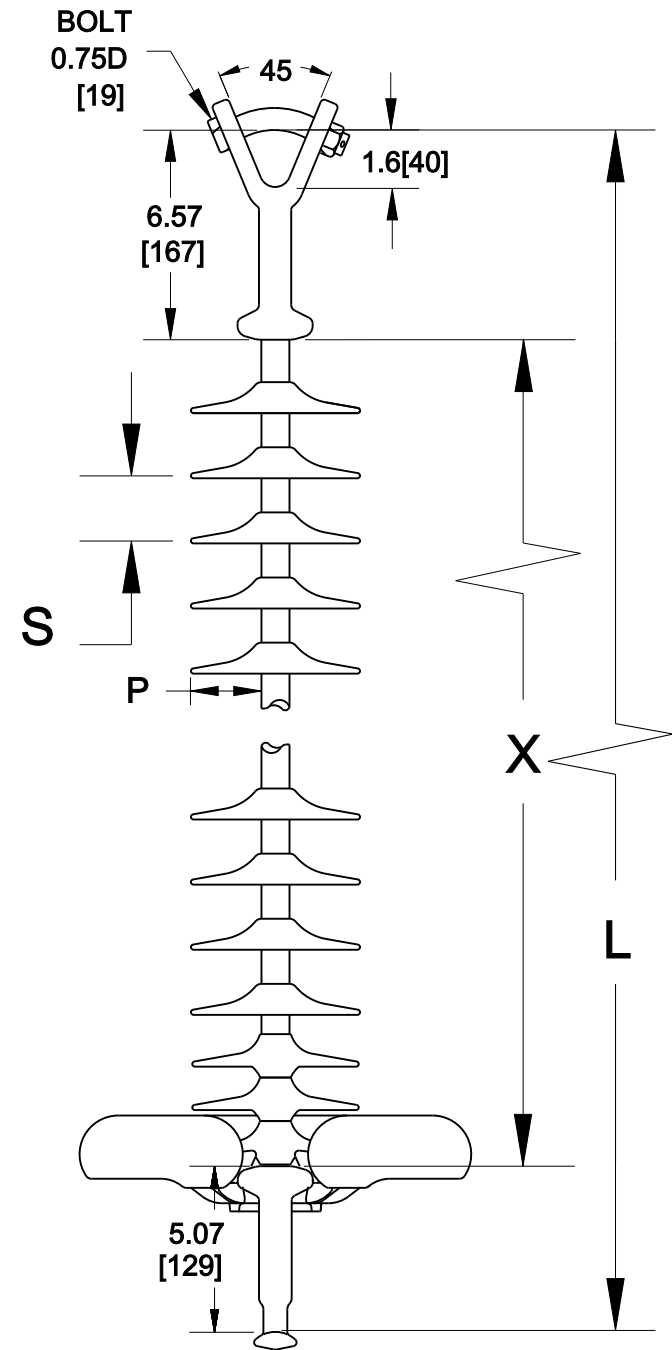
Section Length (L): 131.2 in 3,332 mm
Rubber Length (X): 120 in 3,037 mm
Standard Shed Height (P): 2.1 in 54 mm
Shed Spacing (S): 2.81 in 71 mm
Dry Arc Distance: 119.7 in 3,040 mm
Leakage Distance: 289 in 7,341 mm

ELECTRICAL VALUES

60 Hz Dry Flashover: 1,111 kV Min. Withstand: 1,011 kV
60 Hz Wet Flashover: 963 kV Min. Withstand: 799 kV
Pos. Critical Impulse Flashover: 1,870 kV Min. Withstand: 1,678 kV
Neg. Critical Impulse Flashover: 1,938 kV Min. Withstand: 1,741 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.