

MPS Catalog Number:  
Date:

S1 40 80 102 VB SS 034  
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: 34 standard  
Rod Diameter: 16 mm  
Weight Estimate: 21.9 lbs 9.9 kg

**DIMENSIONAL VALUES**

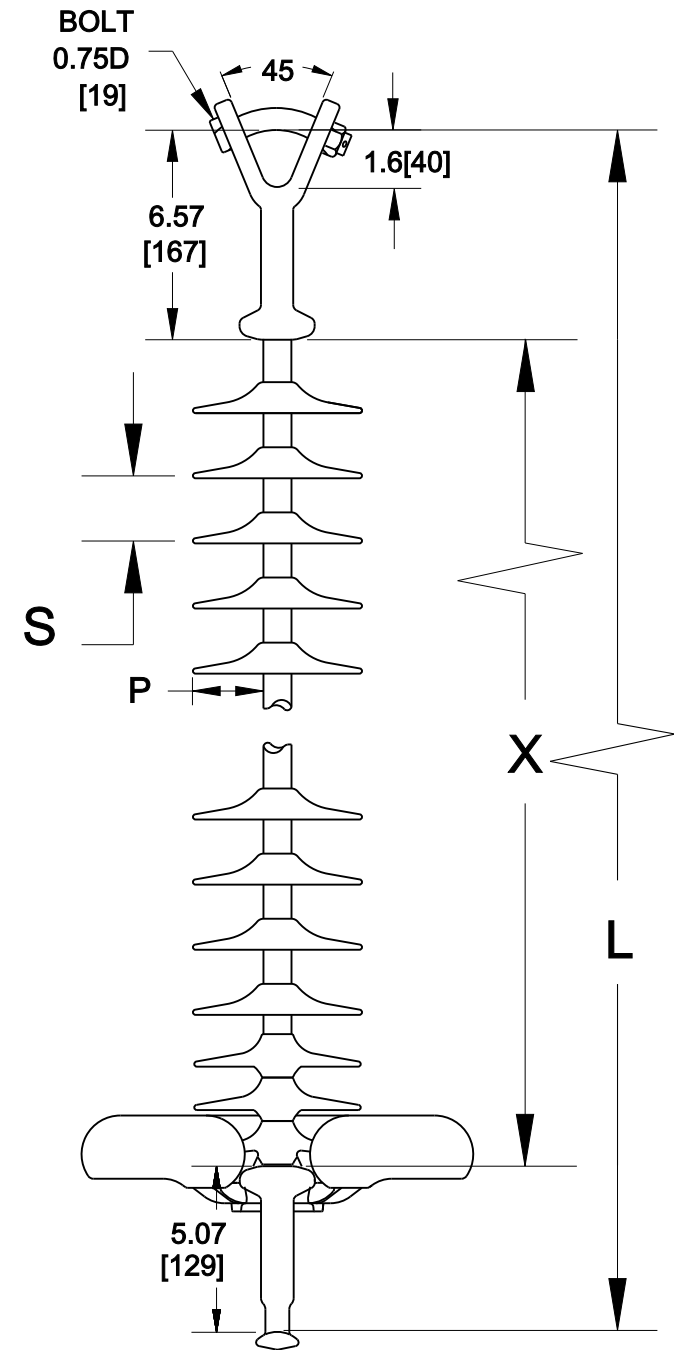
Section Length (L): 113.2 in 2,875 mm  
Rubber Length (X): 102 in 2,580 mm  
Standard Shed Height (P): 2.1 in 54 mm  
Shed Spacing (S): 3.15 in 80 mm  
Dry Arc Distance: 101.7 in 2,583 mm  
Leakage Distance: 232.2 in 5,898 mm

**ELECTRICAL VALUES**

60 Hz Dry Flashover: 979 kV Min. Withstand: 874 kV  
60 Hz Wet Flashover: 832 kV Min. Withstand: 706 kV  
Pos. Critical Impulse Flashover: 1,610 kV Min. Withstand: 1,454 kV  
Neg. Critical Impulse Flashover: 1,675 kV Min. Withstand: 1,520 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.