

MPS Catalog Number:  
Date:

S5 40 80 108 VB SS 032  
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: 32 standard  
Rod Diameter: 16 mm  
Weight Estimate: 21.6 lbs 9.8 kg

**DIMENSIONAL VALUES**

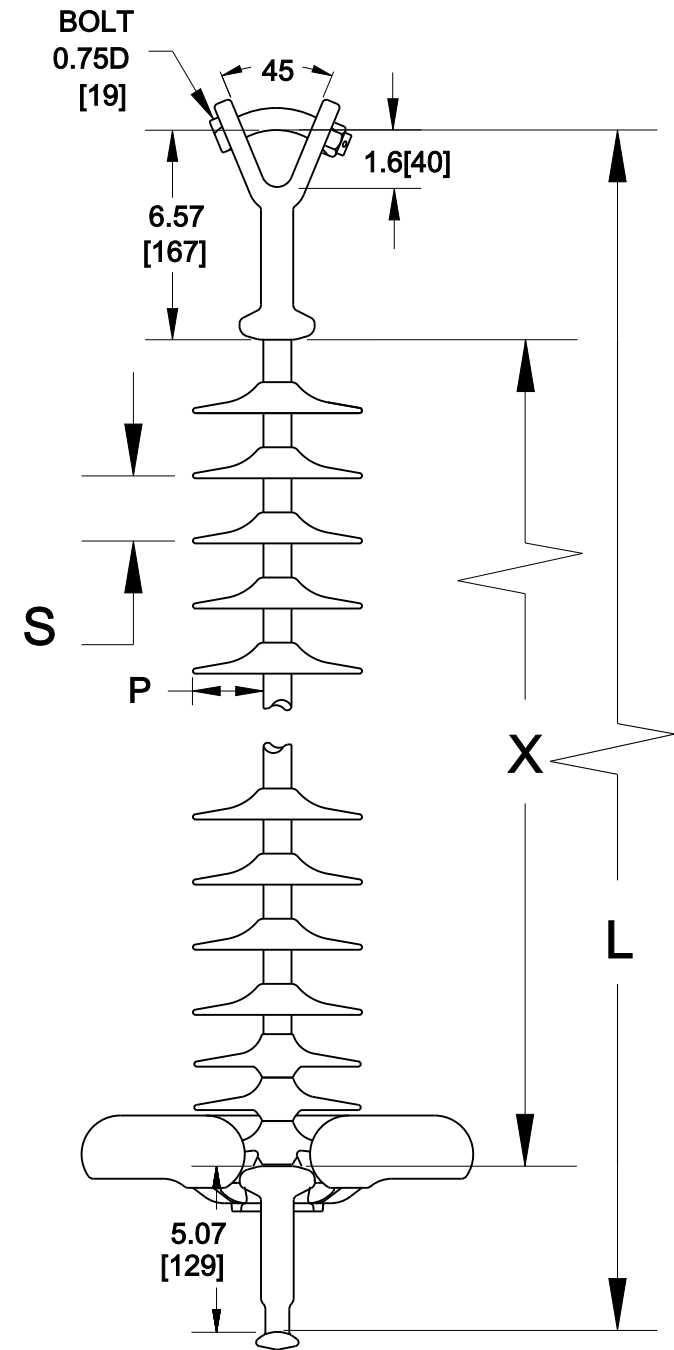
Section Length (L): 119.2 in 3,028 mm  
Rubber Length (X): 108 in 2,732 mm  
Standard Shed Height (P): 2.1 in 54 mm  
Shed Spacing (S): 3.59 in 91 mm  
Dry Arc Distance: 107.7 in 2,736 mm  
Leakage Distance: 230.5 in 5,855 mm

**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): 30,000 lbs 133.4 kN  
Routine Test Load (RTL): 15,000 lbs 66.7 kN



This drawing contains confidential information that is property of MacLean Power L.L.C ('MacLean'). Use of MacLean's confidential information without MacLean's express written consent is strictly prohibited and may expose you to legal liability. If you believe that you received this material in error, please destroy it or return it to 'MacLean Power, L.L.C., 7801 Park Place Rd, York, SC, 29745, USA.'

Dimensions: inches [millimeters]  
Note: Drawing not actual depiction of insulator appearance

Silicone Rubber Sheath & Sheds  
Complies with applicable ANSI and IEC standards.