

MPS Catalog Number:  
Date:

S1 40 80 054 MX AL 035  
01/23/2014

**END FITTINGS**

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

**MATERIAL**

Corona Ring (Tower): None  
Corona Ring (Line): None  
Corona Rings are recommended for applications of 230 kV and above  
Number of Sheds: 17 large 18 standard  
Rod Diameter: 16 mm  
Weight Estimate: 11.3 lbs 5.1 kg

**DIMENSIONAL VALUES**

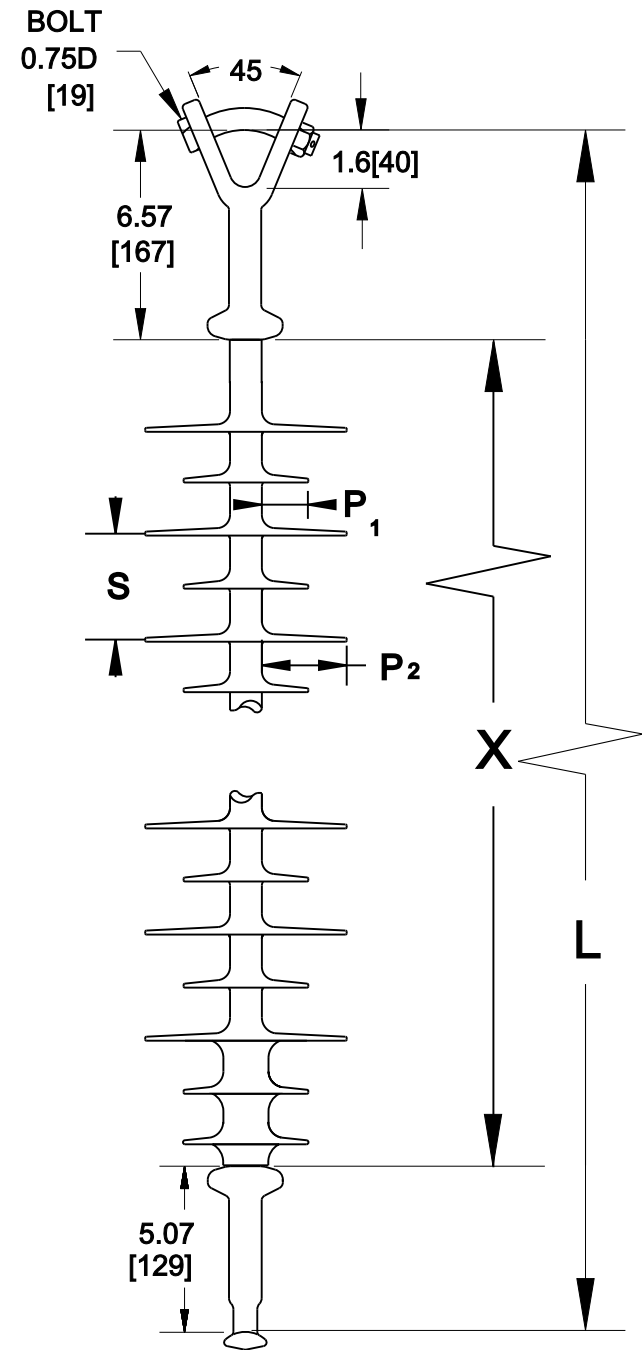
Section Length (L): 66 in 1,676 mm  
Rubber Length (X): 54.4 in 1,382 mm  
Standard Shed Height (P1): 1.5 in 38 mm  
Large Shed Height (P2): 2 in 51 mm  
Projection Ratio (S/P): - 1.5  
Shed Spacing (S): 3 in 76 mm  
Dry Arc Distance: 56.7 in 1,440 mm  
Leakage Distance: 158.4 in 4,023 mm

**ELECTRICAL VALUES**

60 Hz Dry Flashover: 554 kV Min. Withstand: 510 kV  
60 Hz Wet Flashover: 491 kV Min. Withstand: 427 kV  
Pos. Critical Impulse Flashover: 942 kV Min. Withstand: 824 kV  
Neg. Critical Impulse Flashover: 994 kV Min. Withstand: 875 kV

**MECHANICAL VALUES**

Specified Mech. Load (SML): 25,000 lbs 111.2 kN  
Routine Test Load (RTL): 12,500 lbs 55.6 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.