

MPS Catalog Number:  
Date:

S2 40 80 070 VX SS 028  
02/20/2014

**END FITTINGS**

Tower End Fitting: Y-Clevis  
Line End Fitting: Ball (ANSI 52-8/11)

**MATERIAL**

Corona Ring (Tower): None  
Corona Ring (Line): None  
Corona Rings are recommended for applications of 230 kV and above  
Number of Sheds: 28 standard  
Rod Diameter: 24 mm  
Weight Estimate: 20.7 lbs 9.4 kg

**DIMENSIONAL VALUES**

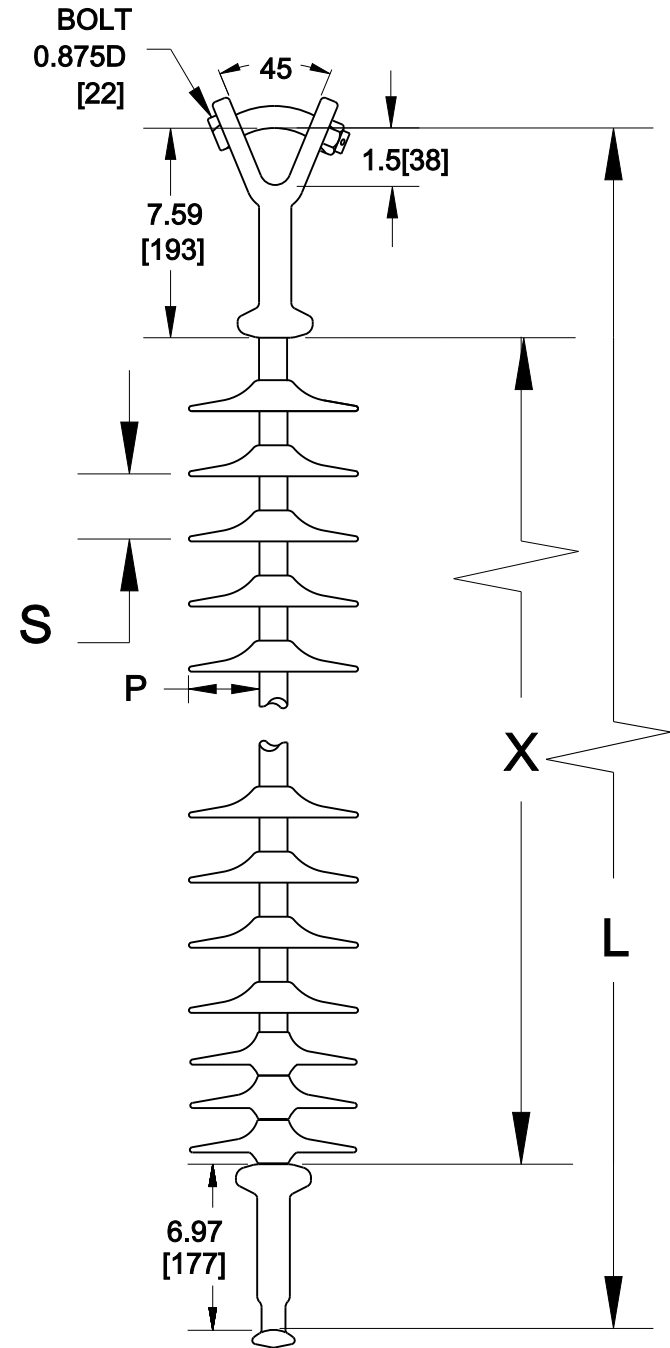
Section Length (L): 84.6 in 2,149 mm  
Rubber Length (X): 70 in 1,778 mm  
Standard Shed Height (P): 2.1 in 54 mm  
Shed Spacing (S): 2.63 in 67 mm  
Dry Arc Distance: 73.7 in 1,872 mm  
Leakage Distance: 177.4 in 4,506 mm

**ELECTRICAL VALUES**

60 Hz Dry Flashover: 716 kV Min. Withstand: 651 kV  
60 Hz Wet Flashover: 619 kV Min. Withstand: 539 kV  
Pos. Critical Impulse Flashover: 1,198 kV Min. Withstand: 1,063 kV  
Neg. Critical Impulse Flashover: 1,256 kV Min. Withstand: 1,092 kV

**MECHANICAL VALUES**

Specified Mech. Load (SML): 50,000 lbs 222.4 kN  
Routine Test Load (RTL): 25,000 lbs 111.2 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.