

MPS Catalog Number:  
Date:

S1 70 80 042 MX AL 027  
01/23/2014

**END FITTINGS**

Tower End Fitting: Socket (Forged Steel) (ANSI 52-5)  
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: 13 large 14 standard  
Rod Diameter: 16 mm  
Weight Estimate: 9.8 lbs 4.4 kg

**DIMENSIONAL VALUES**

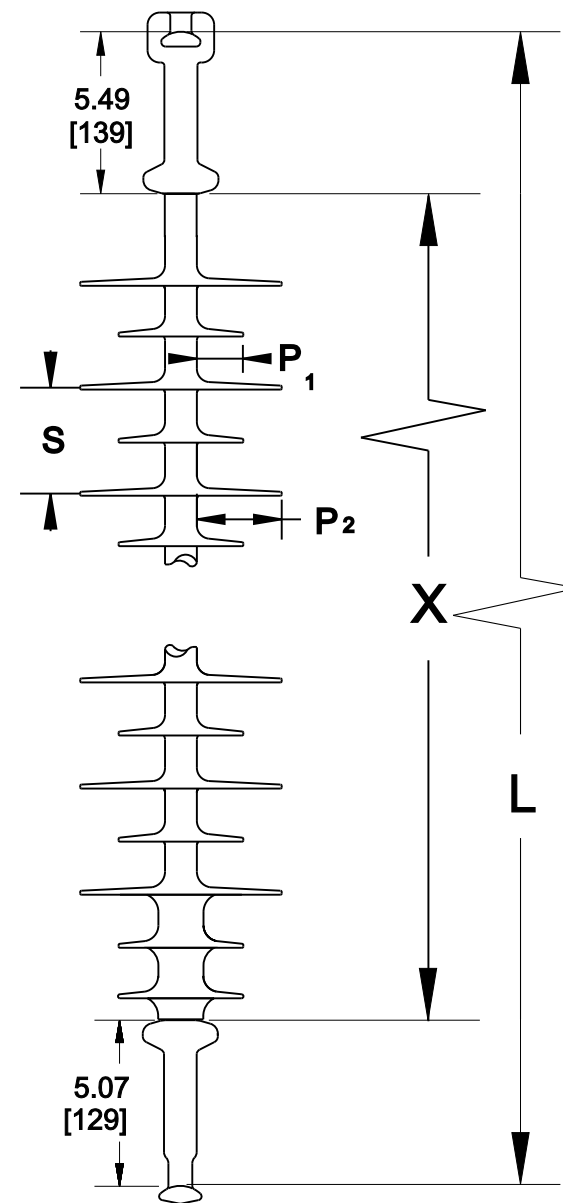
Section Length (L): 53 in 1,346 mm  
Rubber Length (X): 42.4 in 1,077 mm  
Standard Shed Height (P1): 1.5 in 38 mm  
Large Shed Height (P2): 2 in 51 mm  
Projection Ratio (S/P): - 1.5  
Shed Spacing (S): 3 in 76 mm  
Dry Arc Distance: 44.8 in 1,138 mm  
Leakage Distance: 121.8 in 3,094 mm

**ELECTRICAL VALUES**

60 Hz Dry Flashover: 441 kV Min. Withstand: 408 kV  
60 Hz Wet Flashover: 395 kV Min. Withstand: 344 kV  
Pos. Critical Impulse Flashover: 757 kV Min. Withstand: 656 kV  
Neg. Critical Impulse Flashover: 803 kV Min. Withstand: 704 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.