

MPS Catalog Number:  
Date:

S1 70 80 078 MX AL 051  
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: 25 large 26 standard  
Rod Diameter: 16 mm  
Weight Estimate: 14.8 lbs 6.7 kg

**DIMENSIONAL VALUES**

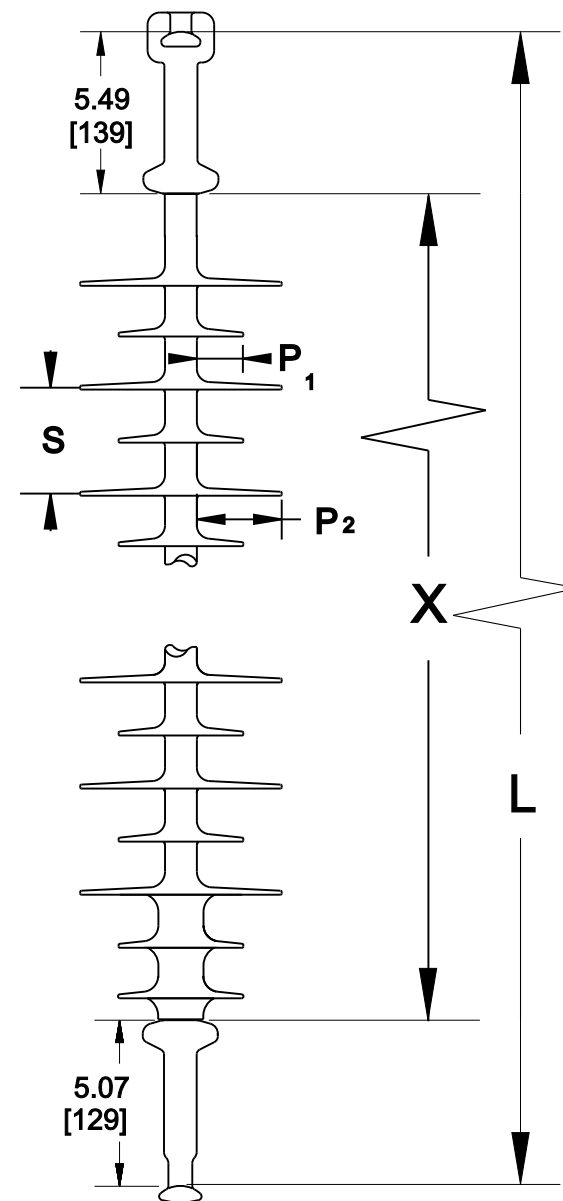
Section Length (L): 88.9 in 2,258 mm  
Rubber Length (X): 78.3 in 1,989 mm  
Standard Shed Height (P1): 1.5 in 38 mm  
Large Shed Height (P2): 2 in 51 mm  
Projection Ratio (S/P): - 1.5  
Shed Spacing (S): 3 in 76 mm  
Dry Arc Distance: 80.7 in 2,050 mm  
Leakage Distance: 231.6 in 5,883 mm

**ELECTRICAL VALUES**

60 Hz Dry Flashover: 783 kV Min. Withstand: 707 kV  
60 Hz Wet Flashover: 670 kV Min. Withstand: 583 kV  
Pos. Critical Impulse Flashover: 1,302 kV Min. Withstand: 1,161 kV  
Neg. Critical Impulse Flashover: 1,362 kV Min. Withstand: 1,221 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.