

MPS Catalog Number:  
Date:

S1 90 80 048 MA AL 031  
01/24/2014

**END FITTINGS**

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

**MATERIAL**

Corona Ring (Tower): None  
Corona Ring (Line): 8" Corona Ring  
Corona Rings are recommended for applications of 230 kV and above  
Number of Sheds: 15 large 16 standard  
Rod Diameter: 16 mm  
Weight Estimate: 12.4 lbs 5.6 kg

**DIMENSIONAL VALUES**

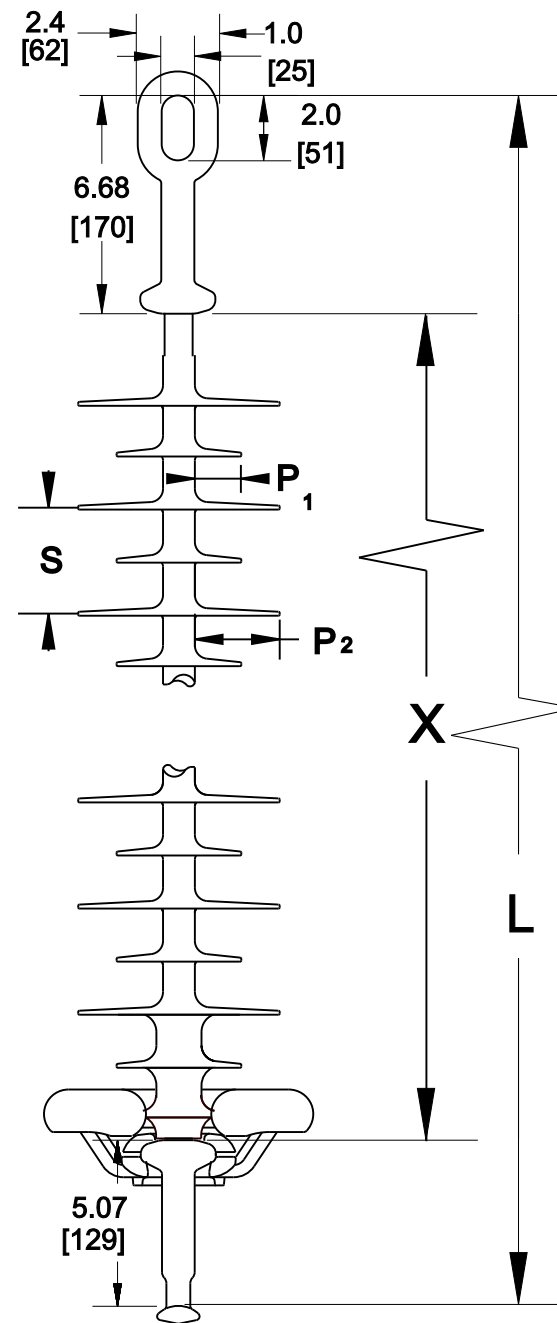
Section Length (L): 60.2 in 1,529 mm  
Rubber Length (X): 48.4 in 1,229 mm  
Standard Shed Height (P1): 1.5 in 38 mm  
Large Shed Height (P2): 2 in 51 mm  
Projection Ratio (S/P): - 1.5  
Shed Spacing (S): 3 in 76 mm  
Dry Arc Distance: 48.1 in 1,222 mm  
Leakage Distance: 140.1 in 3,559 mm

**ELECTRICAL VALUES**

60 Hz Dry Flashover:	472 kV	Min. Withstand:	437 kV
60 Hz Wet Flashover:	422 kV	Min. Withstand:	367 kV
Pos. Critical Impulse Flashover:	809 kV	Min. Withstand:	703 kV
Neg. Critical Impulse Flashover:	857 kV	Min. Withstand:	751 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.