

MPS Catalog Number:  
Date:

S1 90 90 054 MA AL 035  
01/23/2014

**END FITTINGS**

Tower End Fitting: Eye (Forged Steel)  
Line End Fitting: Eye (Forged Steel)

**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: 17 large 18 standard  
Rod Diameter: 16 mm  
Weight Estimate: 14 lbs 6.3 kg

**DIMENSIONAL VALUES**

Section Length (L): 67.8 in 1,722 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: 54.1 in 1,374 mm  
Leakage Distance: 158.4 in 4,023 mm

**ELECTRICAL VALUES**

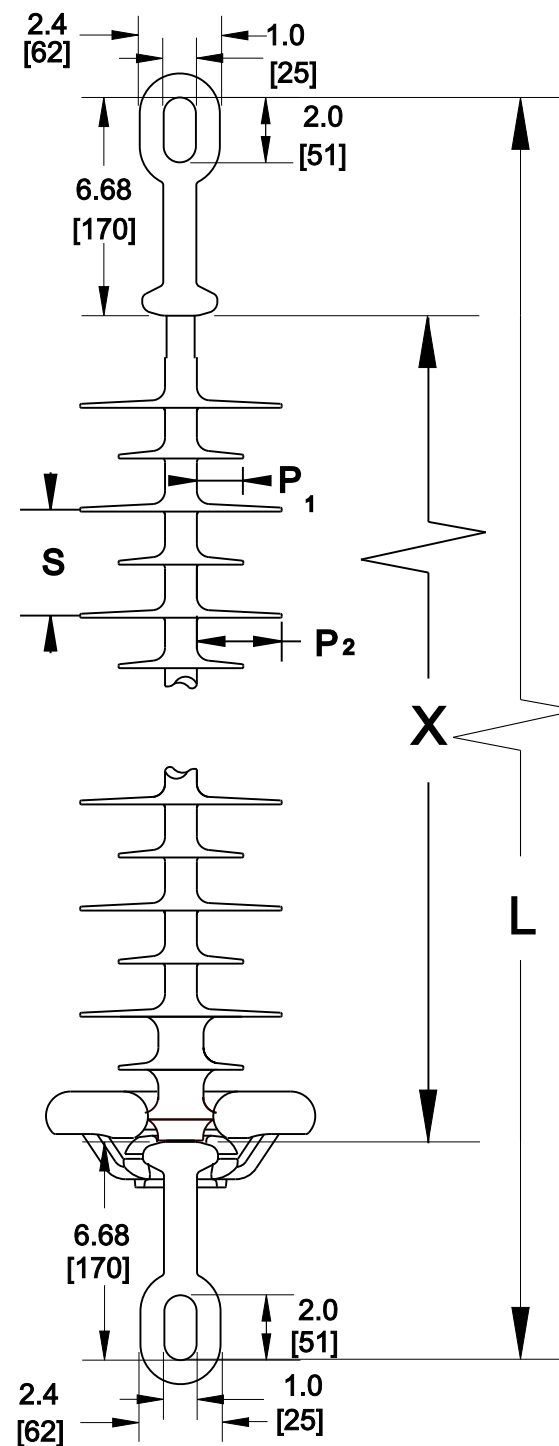
60 Hz Dry Flashover:	529 kV	Min. Withstand:	488 kV
60 Hz Wet Flashover:	470 kV	Min. Withstand:	409 kV
Pos. Critical Impulse Flashover:	902 kV	Min. Withstand:	787 kV
Neg. Critical Impulse Flashover:	953 kV	Min. Withstand:	838 kV

**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.