

MPS Catalog Number:
Date:

S1 40 90 031 MA AL 019
01/23/2014

END FITTINGS

Tower End Fitting: Y-Clevis (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: 9 large 10 standard
Rod Diameter: 16 mm
Weight Estimate: 10.7 lbs 4.9 kg

DIMENSIONAL VALUES

Section Length (L): 43.8 in 1,113 mm
Rubber Length (X): 30.5 in 775 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: 30.2 in 767 mm
Leakage Distance: 85.2 in 2,164 mm

ELECTRICAL VALUES

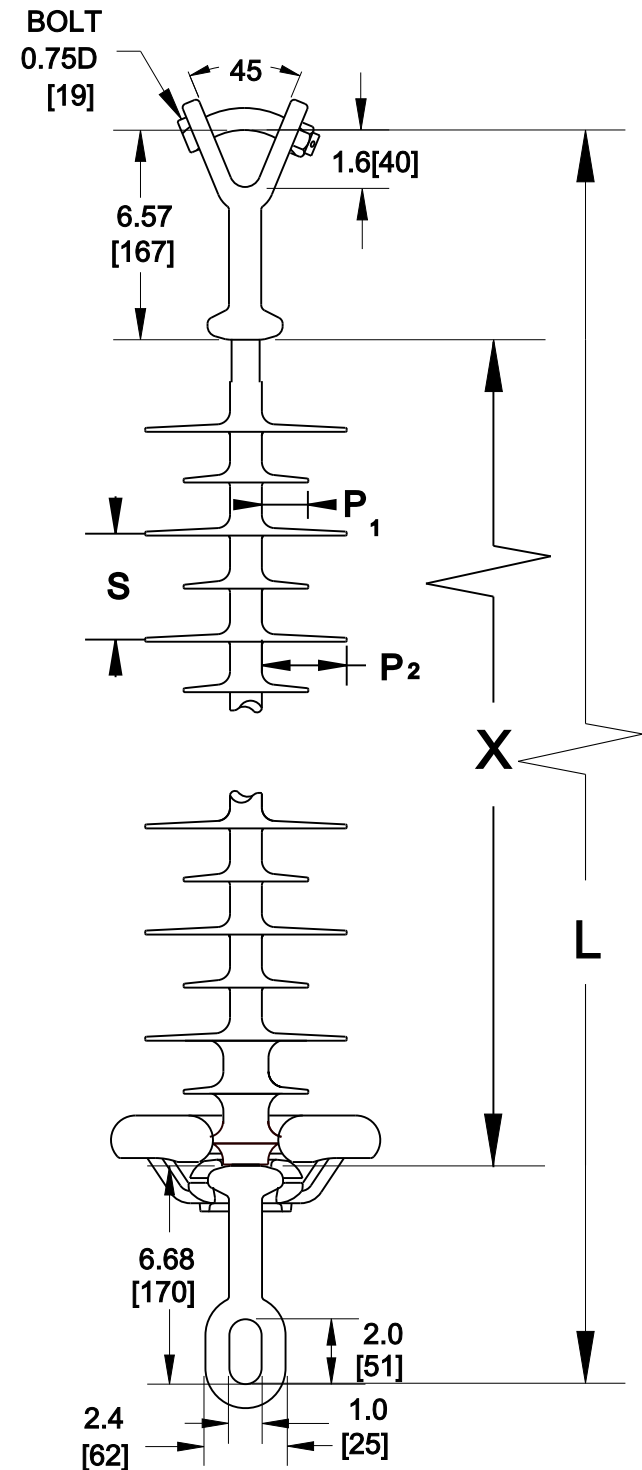
60 Hz Dry Flashover:	302 kV	Min. Withstand:	281 kV
60 Hz Wet Flashover:	273 kV	Min. Withstand:	237 kV
Pos. Critical Impulse Flashover:	524 kV	Min. Withstand:	451 kV
Neg. Critical Impulse Flashover:	561 kV	Min. Withstand:	493 kV

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.