

MPS Catalog Number:
Date:

S1 40 80 031 MX AL 019
01/23/2014

END FITTINGS

Tower End Fitting: Y-Clevis (Forged Steel)
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: 9 large 10 standard
Rod Diameter: 16 mm
Weight Estimate: 7.9 lbs 3.6 kg

DIMENSIONAL VALUES

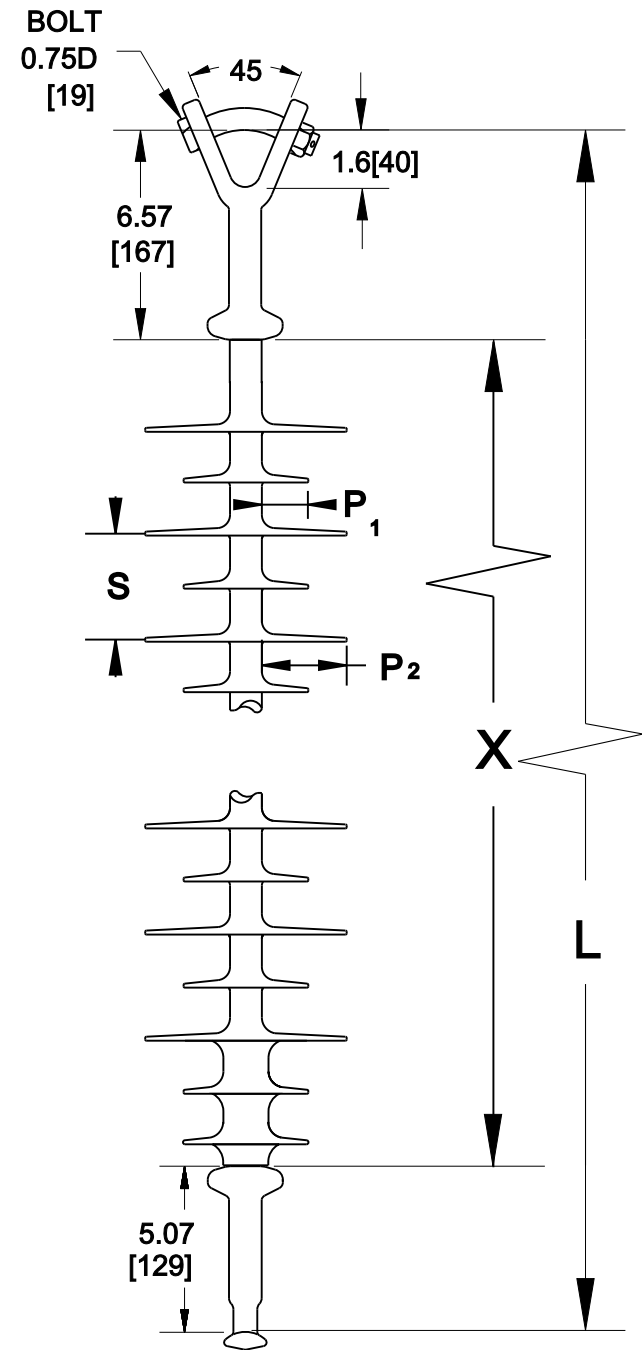
Section Length (L): 42.2 in 1,072 mm
Rubber Length (X): 30.5 in 775 mm
Standard Shed Height (P1): 1.5 in 38 mm
Large Shed Height (P2): 2 in 51 mm
Projection Ratio (S/P): - 1.5
Shed Spacing (S): 3 in 76 mm
Dry Arc Distance: 32.8 in 833 mm
Leakage Distance: 85.2 in 2,164 mm

ELECTRICAL VALUES

60 Hz Dry Flashover:	327 kV	Min. Withstand:	304 kV
60 Hz Wet Flashover:	295 kV	Min. Withstand:	257 kV
Pos. Critical Impulse Flashover:	566 kV	Min. Withstand:	487 kV
Neg. Critical Impulse Flashover:	605 kV	Min. Withstand:	531 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.