

MPS Catalog Number:
Date:

S1 40 80 078 VX SS 043
09/04/2013

END FITTINGS

Tower End Fitting: Y-Clevis
Line End Fitting: Ball (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: 43 standard
Rod Diameter: 16 mm
Weight Estimate: 18.3 lbs 8.3 kg

DIMENSIONAL VALUES

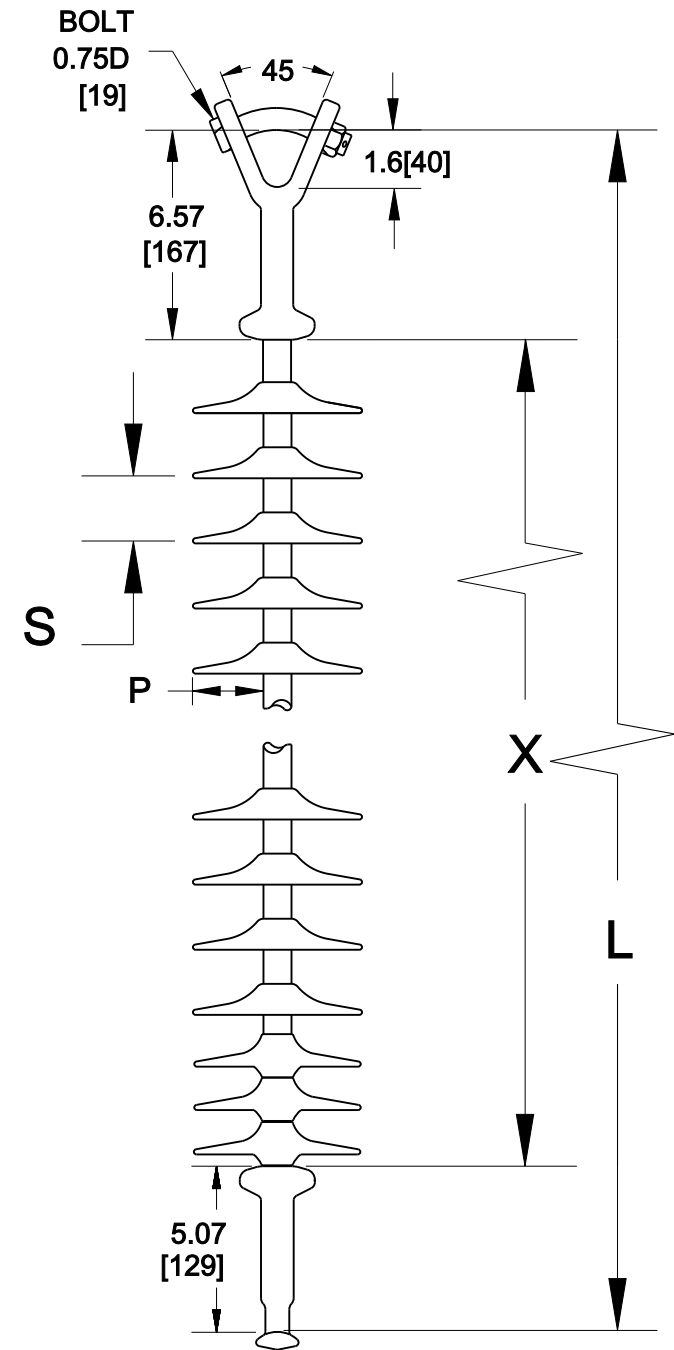
Section Length (L): 89.2 in 2,266 mm
Rubber Length (X): 78 in 1,970 mm
Standard Shed Height (P): 2.1 in 54 mm
Shed Spacing (S): 1.81 in 46 mm
Dry Arc Distance: 81.2 in 2,062 mm
Leakage Distance: 243.1 in 6,175 mm

ELECTRICAL VALUES

60 Hz Dry Flashover: 788 kV Min. Withstand: 711 kV
60 Hz Wet Flashover: 674 kV Min. Withstand: 586 kV
Pos. Critical Impulse Flashover: 1,310 kV Min. Withstand: 1,169 kV
Neg. Critical Impulse Flashover: 1,370 kV Min. Withstand: 1,197 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.