

MPS Catalog Number:
Date:

S1 40 80 078 VA SS 029
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): 8" Corona Ring
Corona Rings are recommended for applications of 230 kV and above
Number of Sheds: 29 standard
Rod Diameter: 16 mm
Weight Estimate: 16.9 lbs 7.7 kg

DIMENSIONAL VALUES

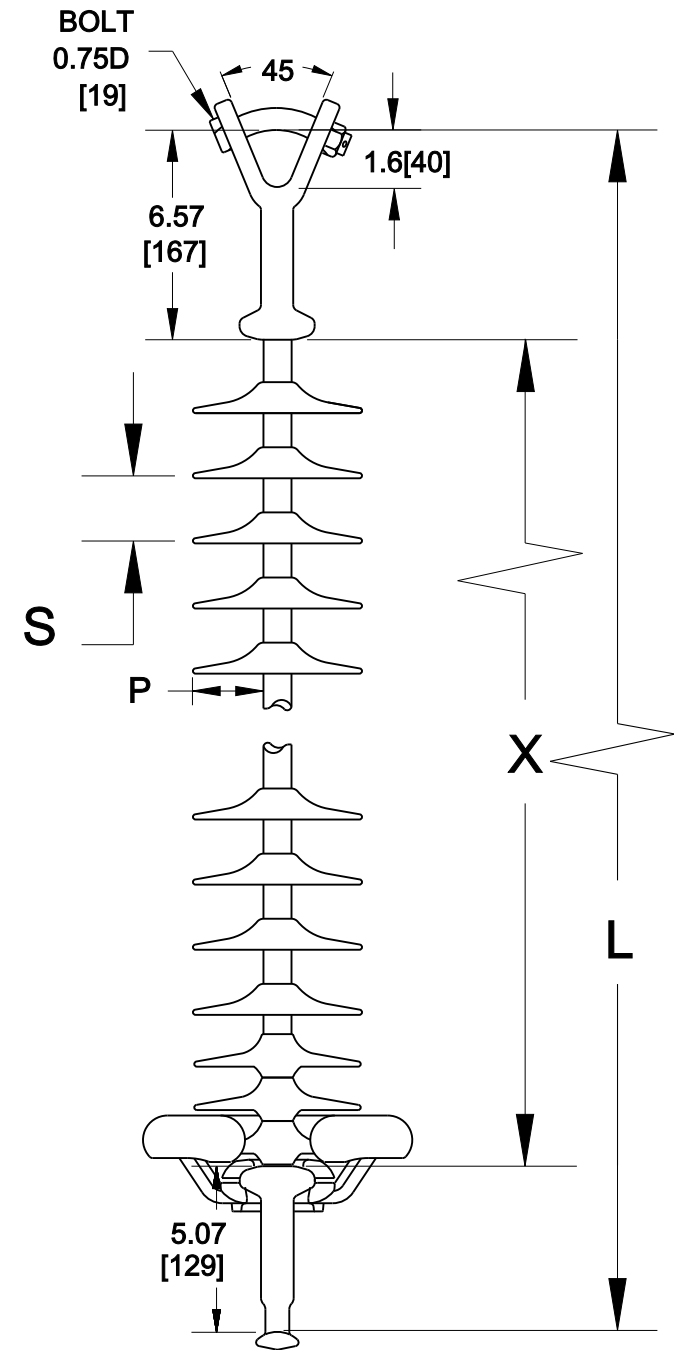
Section Length (L): 89.2 in 2,266 mm
Rubber Length (X): 78 in 1,970 mm
Standard Shed Height (P): 2.1 in 54 mm
Shed Spacing (S): 2.82 in 72 mm
Dry Arc Distance: 77.7 in 1,974 mm
Leakage Distance: 188.8 in 4,796 mm

ELECTRICAL VALUES

60 Hz Dry Flashover: 754 kV Min. Withstand: 683 kV
60 Hz Wet Flashover: 649 kV Min. Withstand: 564 kV
Pos. Critical Impulse Flashover: 1,258 kV Min. Withstand: 1,119 kV
Neg. Critical Impulse Flashover: 1,317 kV Min. Withstand: 1,148 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.