

MPS Catalog Number:
Date:

S5 40 80 102 VB SS 049
09/05/2013

END FITTINGS

Tower End Fitting: Y-Clevis
Line End Fitting: Ball (ANSI 52-5)

MATERIAL

Corona Ring (Tower): None
Corona Ring (Line): 12" Corona Ring
Corona Rings are recommended for applications of 230 kV and above
Number of Sheds: 49 standard
Rod Diameter: 16 mm
Weight Estimate: 25.8 lbs 11.7 kg

DIMENSIONAL VALUES

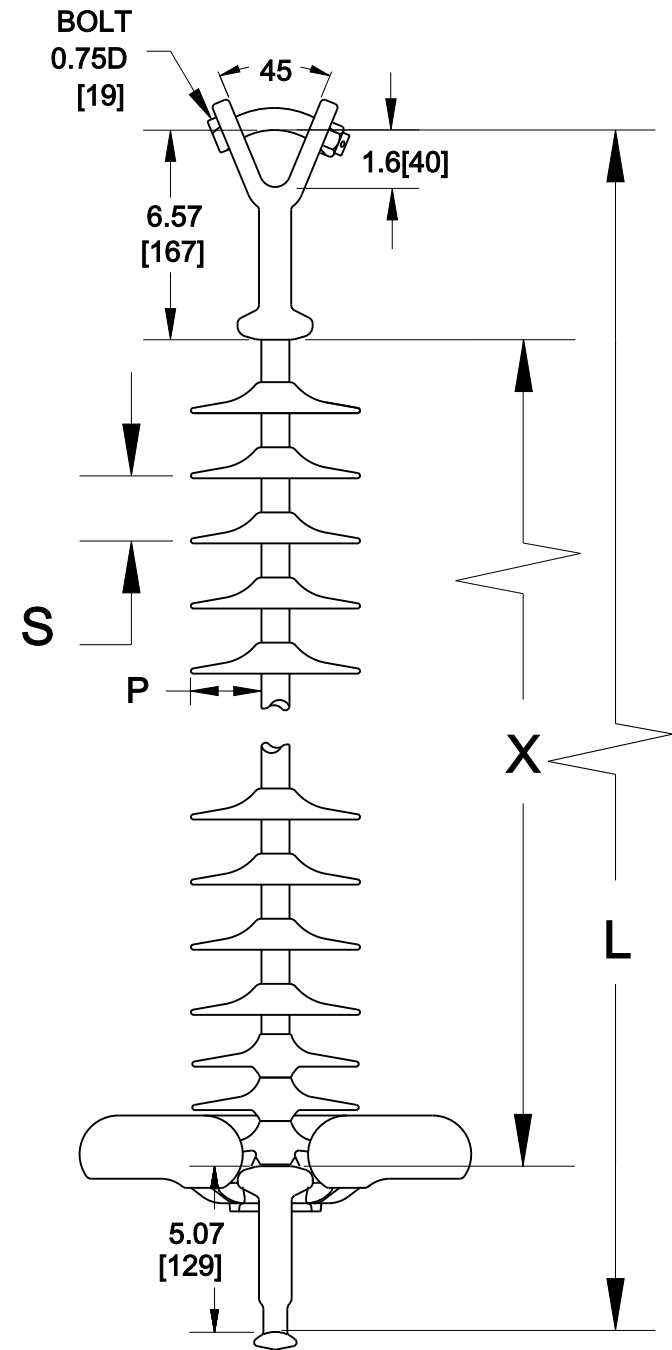
Section Length (L): 113.2 in 2,875 mm
Rubber Length (X): 102 in 2,580 mm
Standard Shed Height (P): 2.1 in 54 mm
Shed Spacing (S): 2.1 in 53 mm
Dry Arc Distance: 101.7 in 2,583 mm
Leakage Distance: 290.4 in 7,376 mm

ELECTRICAL VALUES

60 Hz Dry Flashover: 979 kV Min. Withstand: 874 kV
60 Hz Wet Flashover: 832 kV Min. Withstand: 706 kV
Pos. Critical Impulse Flashover: 1,610 kV Min. Withstand: 1,454 kV
Neg. Critical Impulse Flashover: 1,675 kV Min. Withstand: 1,520 kV

MECHANICAL VALUES

Specified Mech. Load (SML): 30,000 lbs 133.4 kN
Routine Test Load (RTL): 15,000 lbs 66.7 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.