

MPS Catalog Number:
Date:

S2 40 80 090 VA SS 042
02/24/2014

END FITTINGS

Tower End Fitting: Y-Clevis
Line End Fitting: Ball (ANSI 52-8/11)

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: 42 standard
Rod Diameter: 24 mm
Weight Estimate: 28.6 lbs 13 kg

DIMENSIONAL VALUES

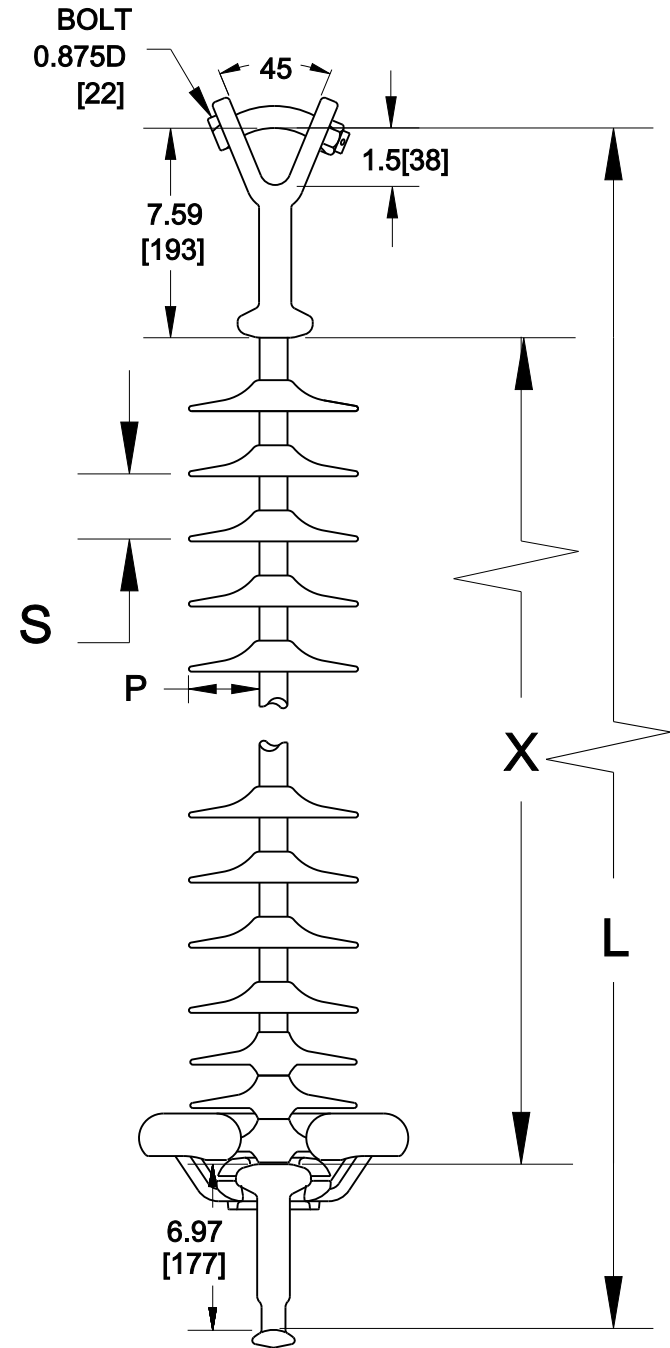
Section Length (L): 104.6 in 2,657 mm
Rubber Length (X): 90 in 2,286 mm
Standard Shed Height (P): 2.1 in 54 mm
Shed Spacing (S): 2.18 in 55 mm
Dry Arc Distance: 90.2 in 2,291 mm
Leakage Distance: 251.7 in 6,393 mm

ELECTRICAL VALUES

60 Hz Dry Flashover: 873 kV Min. Withstand: 783 kV
60 Hz Wet Flashover: 746 kV Min. Withstand: 640 kV
Pos. Critical Impulse Flashover: 1,442 kV Min. Withstand: 1,295 kV
Neg. Critical Impulse Flashover: 1,504 kV Min. Withstand: 1,324 kV

MECHANICAL VALUES

Specified Mech. Load (SML): 50,000 lbs 222.4 kN
Routine Test Load (RTL): 25,000 lbs 111.2 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.