

MPS Catalog Number:
Date:

S1 70 80 066 MA AL 043
01/23/2014

END FITTINGS

Tower End Fitting: Socket (Forged Steel) (ANSI 52-5)
Line End Fitting: Ball (Forged Steel) (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: 21 large 22 standard
Rod Diameter: 16 mm
Weight Estimate: 15.3 lbs 6.9 kg

DIMENSIONAL VALUES

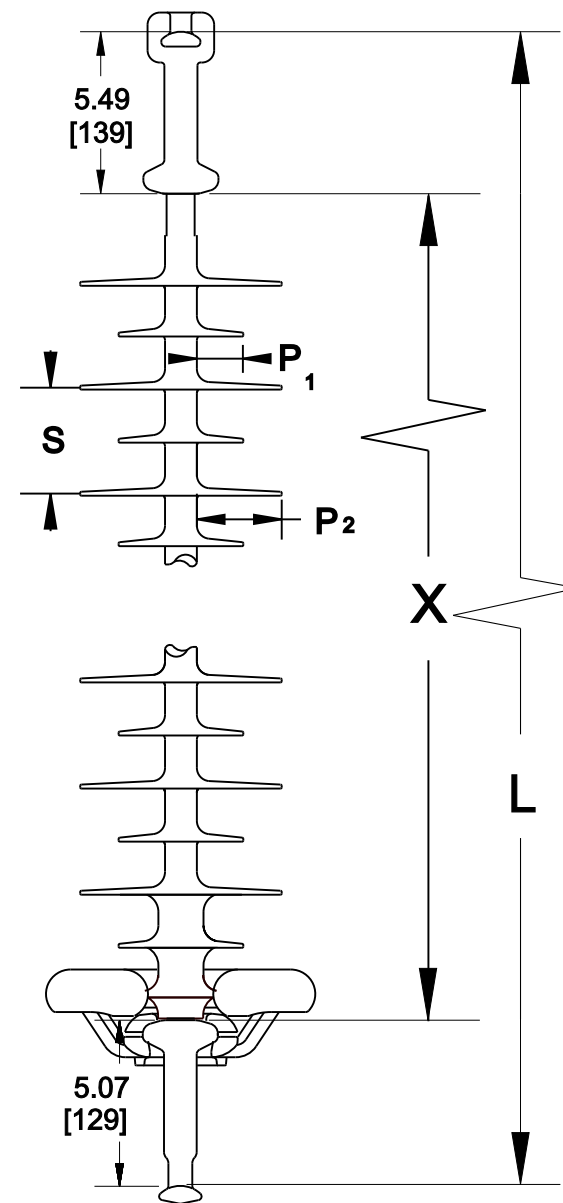
Section Length (L): 77 in 1,956 mm
Rubber Length (X): 66.4 in 1,687 mm
Standard Shed Height (P1): 1.5 in 38 mm
Large Shed Height (P2): 2 in 51 mm
Projection Ratio (S/P): - 1.5
Shed Spacing (S): 3 in 76 mm
Dry Arc Distance: 66.1 in 1,679 mm
Leakage Distance: 195 in 4,953 mm

ELECTRICAL VALUES

60 Hz Dry Flashover: 644 kV Min. Withstand: 588 kV
60 Hz Wet Flashover: 563 kV Min. Withstand: 490 kV
Pos. Critical Impulse Flashover: 1,084 kV Min. Withstand: 956 kV
Neg. Critical Impulse Flashover: 1,140 kV Min. Withstand: 1,010 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.