

MPS Catalog Number:
Date:

S1 70 80 037 MX AL 023
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): None
Corona Rings are recommended for applications of 230 kV and above
Number of Sheds: 11 large 12 standard
Rod Diameter: 16 mm
Weight Estimate: 8.9 lbs 4 kg

DIMENSIONAL VALUES

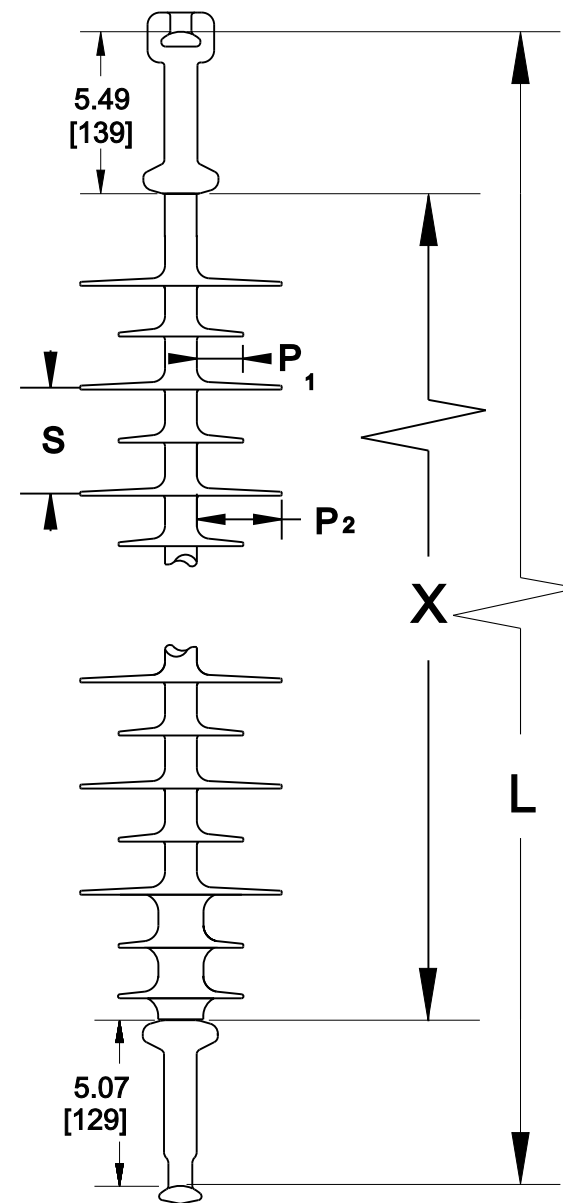
Section Length (L): 47.1 in 1,196 mm
Rubber Length (X): 36.6 in 930 mm
Standard Shed Height (P1): 1.5 in 38 mm
Large Shed Height (P2): 2 in 51 mm
Projection Ratio (S/P): - 1.5
Shed Spacing (S): 3 in 76 mm
Dry Arc Distance: 38.8 in 986 mm
Leakage Distance: 103.5 in 2,629 mm

ELECTRICAL VALUES

60 Hz Dry Flashover: 384 kV Min. Withstand: 356 kV
60 Hz Wet Flashover: 346 kV Min. Withstand: 301 kV
Pos. Critical Impulse Flashover: 662 kV Min. Withstand: 572 kV
Neg. Critical Impulse Flashover: 705 kV Min. Withstand: 617 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.