

MPS Catalog Number:

S1 70 80 042 MA AL 027

Date:

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:

13 large 14 standard

Rod Diameter:

16 mm

Weight Estimate:

12 lbs 5.4 kg

DIMENSIONAL VALUES

Section Length (L):

53 in 1,346 mm

Rubber Length (X):

42.4 in 1,077 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:

42.2 in 1,072 mm

Leakage Distance:

121.8 in 3,094 mm

ELECTRICAL VALUES

60 Hz Dry Flashover:

416 kV Min. Withstand: 386 kV

60 Hz Wet Flashover:

374 kV Min. Withstand: 325 kV

Pos. Critical Impulse Flashover:

716 kV Min. Withstand: 620 kV

Neg. Critical Impulse Flashover:

761 kV Min. Withstand: 666 kV

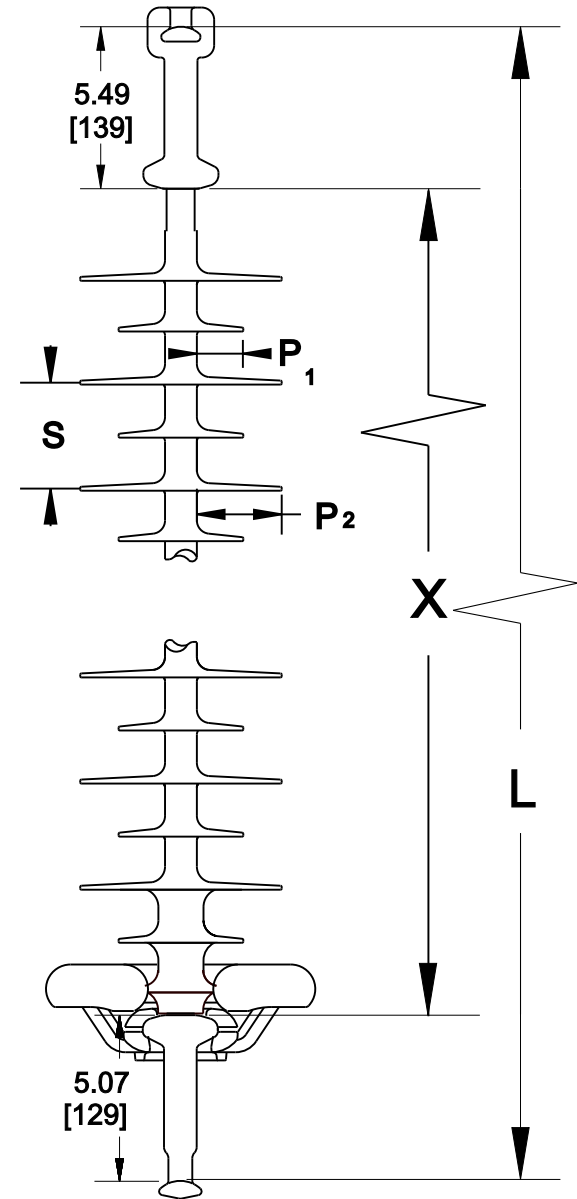
MECHANICAL VALUES

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.