

MPS Catalog Number:

S1 70 80 062 MA AL 040

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:

19 large 21 standard

Rod Diameter:

16 mm

Weight Estimate:

14.7 lbs 6.7 kg

DIMENSIONAL VALUES

Section Length (L):

72.5 in 1,842 mm

Rubber Length (X):

61.9 in 1,572 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:

61.1 in 1,552 mm

Leakage Distance:

180.7 in 4,590 mm

ELECTRICAL VALUES

60 Hz Dry Flashover:

596 kV Min. Withstand: 546 kV

60 Hz Wet Flashover:

525 kV Min. Withstand: 457 kV

Pos. Critical Impulse Flashover:

1,009 kV Min. Withstand: 886 kV

Neg. Critical Impulse Flashover:

1,062 kV Min. Withstand: 938 kV

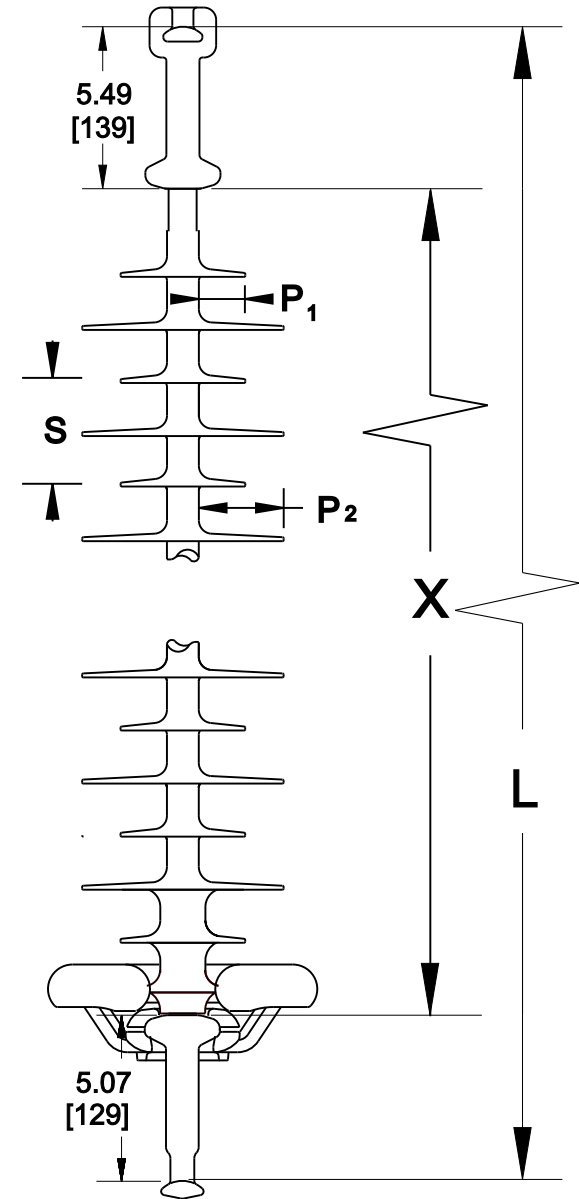
MECHANICAL VALUES

Specified Mech. Load (SML):

25,000 lbs 111.2 kN

Routine Test Load (RTL):

12,500 lbs 55.6 kN



This drawing contains confidential information that is property of MacLean Power L.L.C ('MacLean'). Use of MacLean's confidential information without MacLean's express written consent is strictly prohibited and may expose you to legal liability. If you believe that you received this material in error, please destroy it or return it to 'MacLean Power, L.L.C., 7801 Park Place Rd, York, SC, 29745, USA.'

Dimensions: inches [millimeters]

Note: Drawing not actual depiction of insulator appearance

Silicone Rubber Sheath & Sheds
Complies with applicable ANSI and IEC standards.