

MPS Catalog Number:

S5 40 80 114 VB SS 067

Date:

05/18/2021

End Fittings

Tower End Fitting:

Y-Clevis

Line End Fitting:

Ball (ANSI 52-5)

Material

Corona Ring (Tower):

None

Corona Ring (Line):

12" Corona Ring

Corona Rings are recommended for applications of 230 kV and above

Number of Sheds:

67 Standard

Rod Diameter:

16 mm

Weight Estimate:

30.3 lbs

14 kg

Dimensional Values

Section Length (L):

125.6 in 3,190 mm

Rubber Length (X):

114 in 2,896 mm

Standard Shed Height (P):

2.1 in 54 mm

Shed Spacing (S):

1.7 in 43 mm

Dry Arc Distance:

114 in 2,896 mm

Leakage Distance:

372.7 in 9,467 mm

Electrical Values

60 Hz dry Flashover (Min. Withstand):

1069 kV 968 kV

60 Hz Wet Flashover (Min. Withstand):

933 kV 770 kV

CIFO Positive (Min. Withstand):

1788 kV 1607 kV

CIFO Negative (Min. Withstand):

1855 kV 1785 kV

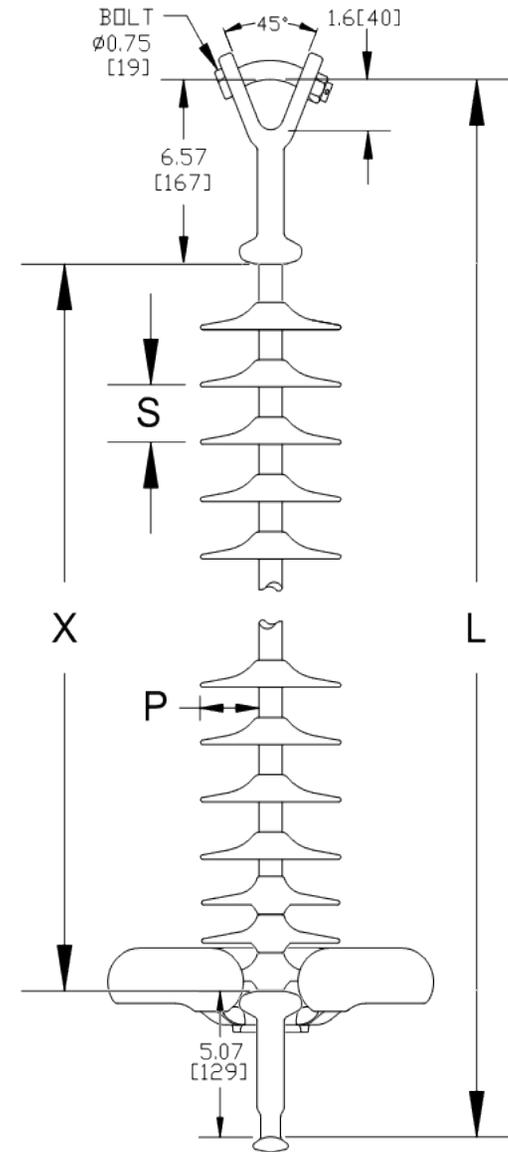
Mechanical Values

Specified Mech. Load (SML):

30,000 lbs 133.4 kN

Routine Test Load (RTL):

15,000 lbs 66.7 kN



This drawing contains confidential information that is the 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, South Carolina 29745, USA."

Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance.

Silicone rubber sheath and sheds complies with applicable ANSI and IEC standards.

Notes:

Prepared By: Laurel Wallace