

MPS Catalog Number:

S1 40 80 102 VB SS 049

Date:

09/05/2013

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:

49 standard

Rod Diameter:

16 mm

Weight Estimate:

25.8 lbs

11.7 kg

DIMENSIONAL VALUES

Section Length (L):

113.2 in

2,875 mm

Rubber Length (X):

102 in

2,580 mm

Standard Shed Height (P):

2.1 in

54 mm

Shed Spacing (S):

2.1 in

53 mm

Dry Arc Distance:

101.7 in

2,583 mm

Leakage Distance:

290.4 in

7,376 mm

ELECTRICAL VALUES

60 Hz Dry Flashover:

979 kV

Min. Withstand:

874 kV

60 Hz Wet Flashover:

832 kV

Min. Withstand:

706 kV

Pos. Critical Impulse Flashover:

1,610 kV

Min. Withstand:

1,454 kV

Neg. Critical Impulse Flashover:

1,675 kV

Min. Withstand:

1,520 kV

MECHANICAL VALUES

Specified Mech. Load (SML):

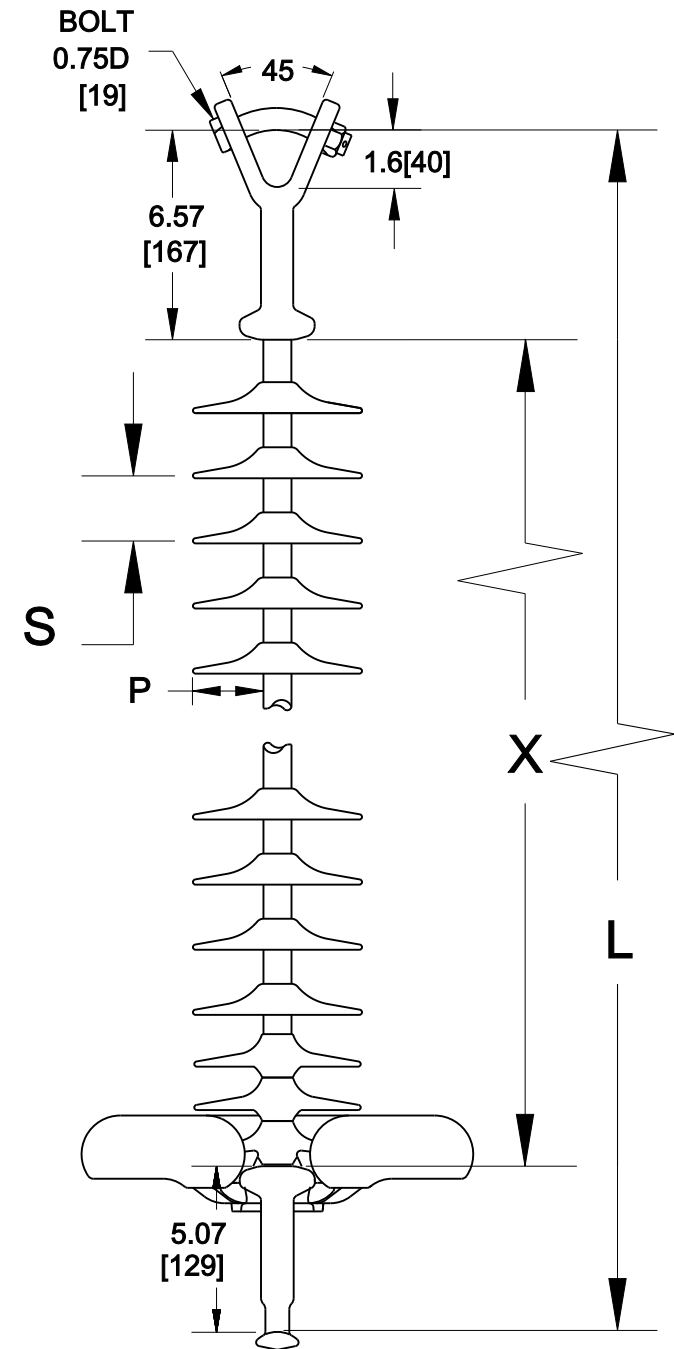
25,000 lbs

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.