

MPS Catalog Number:

S1 40 80 078 VA SS 042

Date:

09/04/2013

END FITTINGS

Tower End Fitting:

Y-Clevis

Line End Fitting:

Ball (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:

42 standard

Rod Diameter:

16 mm

Weight Estimate:

20.3 lbs

9.2 kg

DIMENSIONAL VALUES

Section Length (L):

89.2 in

2,266 mm

Rubber Length (X):

78 in

1,970 mm

Standard Shed Height (P):

2.1 in

54 mm

Shed Spacing (S):

1.86 in

47 mm

Dry Arc Distance:

77.7 in

1,974 mm

Leakage Distance:

239.3 in

6,078 mm

ELECTRICAL VALUES

60 Hz Dry Flashover:

754 kV

Min. Withstand:

683 kV

60 Hz Wet Flashover:

649 kV

Min. Withstand:

564 kV

Pos. Critical Impulse Flashover:

1,258 kV

Min. Withstand:

1,119 kV

Neg. Critical Impulse Flashover:

1,317 kV

Min. Withstand:

1,148 kV

MECHANICAL VALUES

Specified Mech. Load (SML):

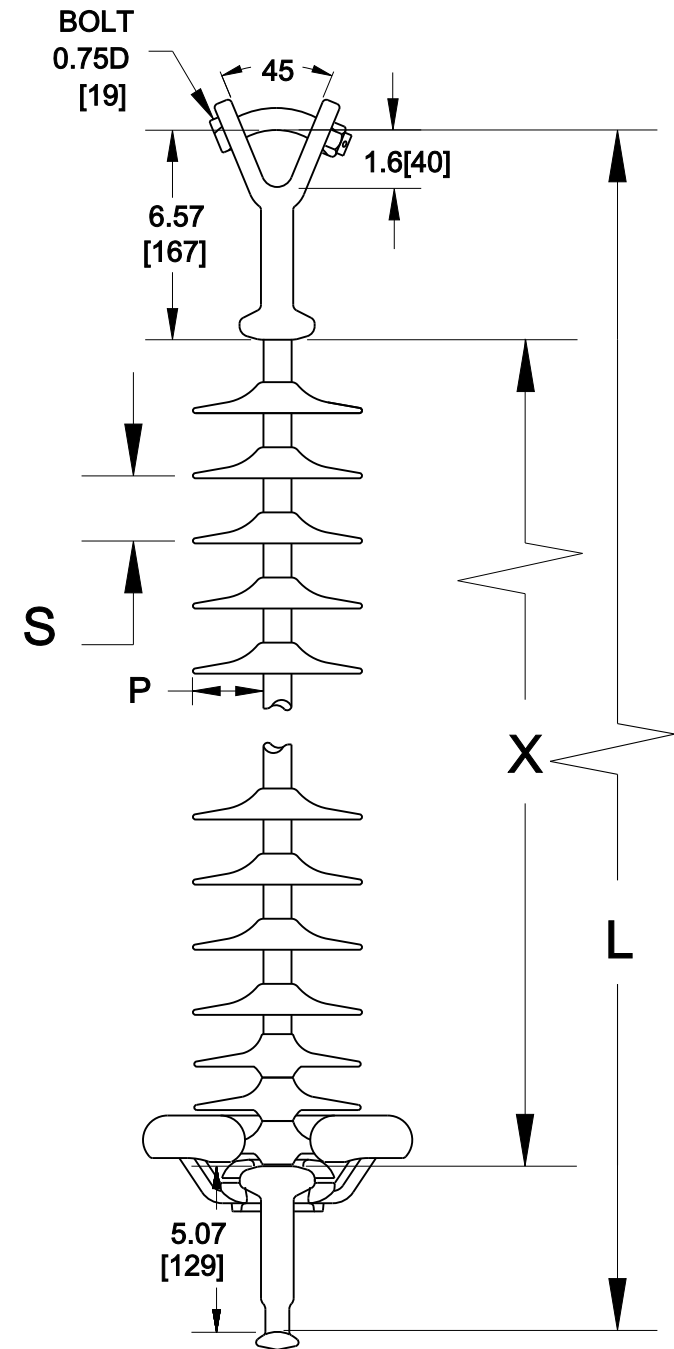
25,000 lbs

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.