

MPS Catalog Number:

Date:

H3 90 10 082 BA SS 040

05/20/2021

End Fittings

Tower End Fitting:

Gain/12"-14" Hole Spacing

Anchor / Galv. Ductile Iron

Line End Fitting:

2 HL Drop Tongue / Galv. Ductile Iron

Material

Corona Ring (Tower):

None

Corona Ring (Line):

6" Corona Ring

Corona Rings are recommended for applications of 230 kV and above

Mounting Angle:

17 deg

Number of Sheds:

40

Rod Diameter:

3 in

Weight Estimate:

143.5 lbs

65 kg

Dimensional Values

Section Length (L):

93.9 in 2,385 mm

Rubber Length (X):

82 in 2,083 mm

Shed spacing (S):

2 in 51 mm

Shed Projection (P):

2.7 in 68 mm

Dry Arc Distance:

83.7 in 2,126 mm

Leakage Distance:

276.7 in 7,028 mm

Electricals Values

60 Hz dry Flashover (Min. Withstand):

763 kV 717 kV

60 Hz Wet Flashover (Min. Withstand):

691 kV 562 kV

CIFO Positive (Min. Withstand):

1342 kV 1180 kV

CIFO Negative (Min. Withstand):

1365 kV 1234 kV

Mechanical Values

Max. Design Cant. Load (MDCL):

1,598 lbs 7.1 kN

Specified Cant. Load (SCL):

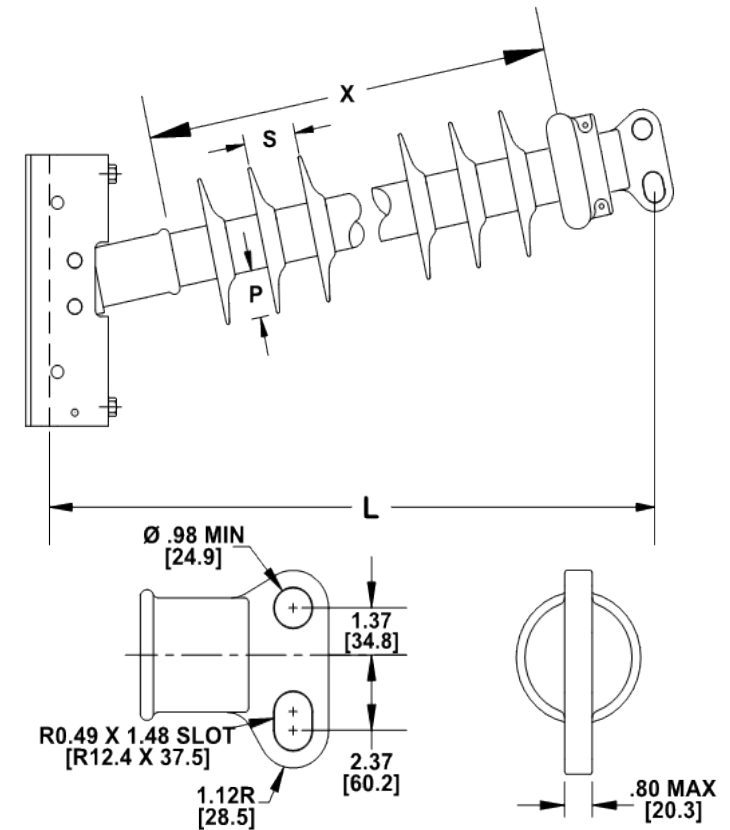
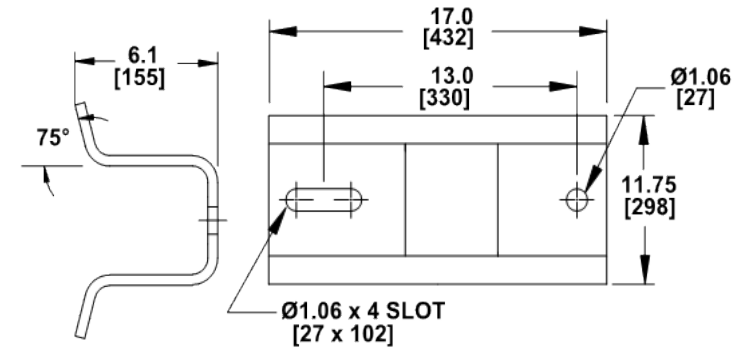
3,196 lbs 14.2 kN

Specified Tensile Load (STL):

20,000 lbs 89.0 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."

Notes:



Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance.

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

Prepared By: Laurel Wallace