

MPS Catalog Number:

Date:

**H3 90 10 112 AB SS 044**

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):

12" Corona Ring

Corona Rings are recommended for applications of 230 kV and above

Mounting Angle:

17 deg

Number of Sheds:

44

Rod Diameter:

3 in

Weight Estimate:

169.2 lbs

77 kg

**Dimensional Values**

Section Length (L):

122.5 in 3,112 mm

Rubber Length (X):

112 in 2,845 mm

Shed spacing (S):

2.5 in 64 mm

Shed Projection (P):

2.7 in 68 mm

Dry Arc Distance:

112.4 in 2,855 mm

Leakage Distance:

326.1 in 8,283 mm

**Electricals Values**

60 Hz dry Flashover (Min. Withstand):

1000 kV 939 kV

60 Hz Wet Flashover (Min. Withstand):

859 kV 732 kV

CIFO Positive (Min. Withstand):

1758 kV 1544 kV

CIFO Negative (Min. Withstand):

1767 kV 1611 kV

**Mechanical Values**

Max. Design Cant. Load (MDCL):

1,189 lbs 5.3 kN

Specified Cant. Load (SCL):

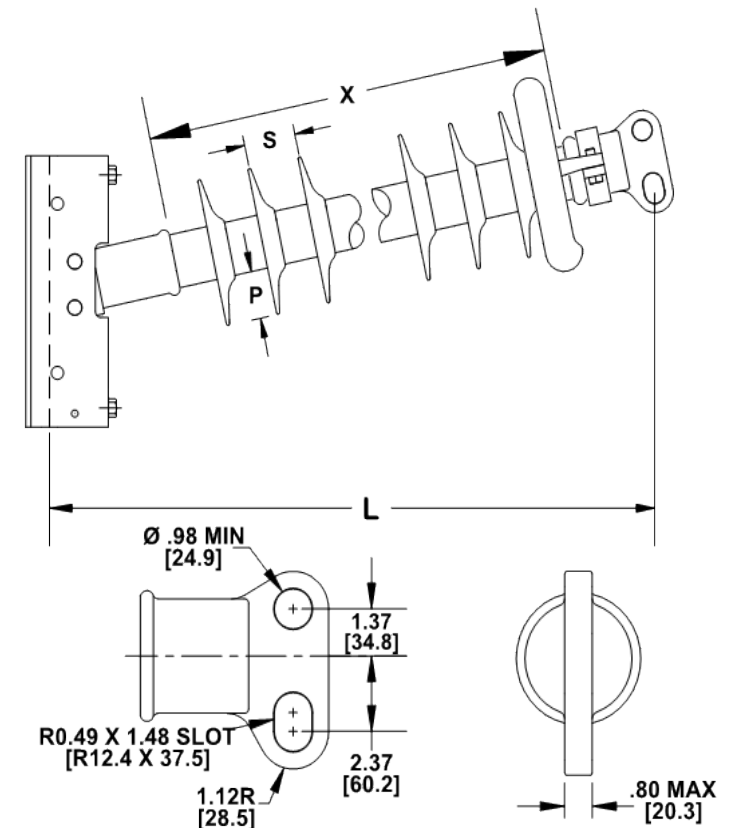
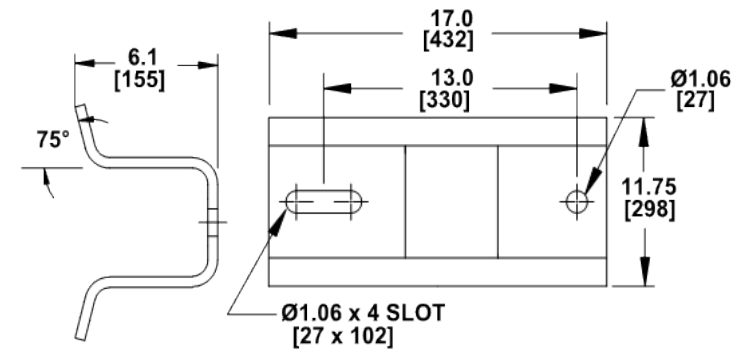
2,378 lbs 10.6 kN

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