

MPS Catalog Number:

**H2 90 10 094 BA SS 046**

Date:

05/20/2021

**End Fittings**

Tower End Fitting:

Gain / 12 deg / Steel

Line End Fitting:

Anchor / Ductile Iron  
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:

12 deg

Number of Sheds:

46

Rod Diameter:

2.5 in

Weight Estimate:

112.4 lbs

51 kg

**Dimensional Values**

Section Length (L):

103.2 in      2,621 mm

Rubber Length (X):

94 in          2,388 mm

Shed spacing (S):

2 in            51 mm

Shed Projection (P):

2.4 in         61 mm

Dry Arc Distance:

94.8 in       2,408 mm

Leakage Distance:

301 in        7,645 mm

**Electricals Values**

60 Hz dry Flashover (Min. Withstand):

856 kV          804 kV

60 Hz Wet Flashover (Min. Withstand):

767 kV          629 kV

CIFO Positive (Min. Withstand):

1506 kV        1323 kV

CIFO Negative (Min. Withstand):

1522 kV        1381 kV

**Mechanical Values**

Max. Design Cant. Load (MDCL):

844 lbs          3.8 kN

Specified Cant. Load (SCL):

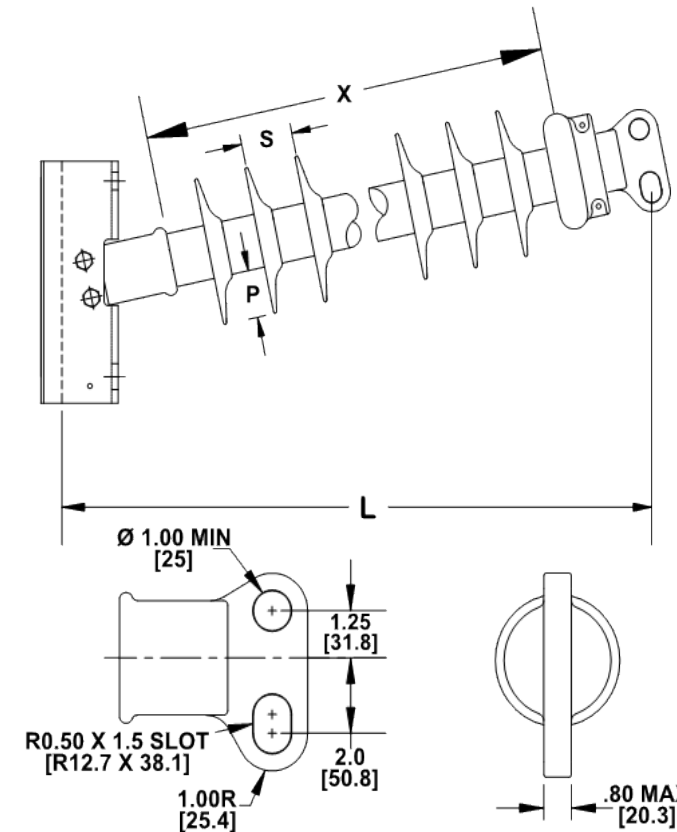
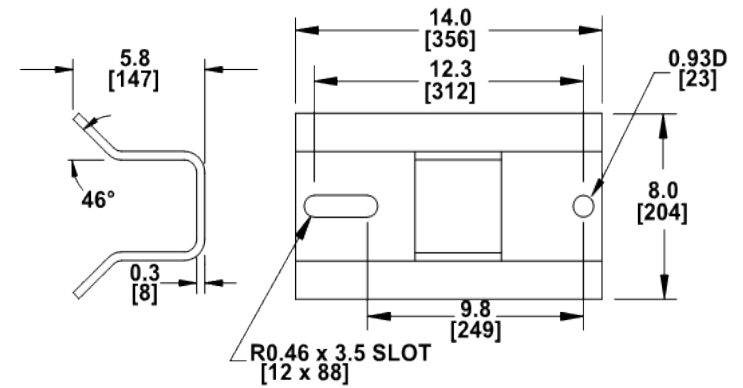
1,688 lbs        7.5 kN

Specified Tensile Load (STL):

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."

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