MacLean POWER SYSTEMS

7801 Park Place Rd.
York, SC 29745 USA
(803) 628-2100

MPS Catalog Number: **H1 90 10 018 CX SS 010**

Date: 05/20/2021

End Fittings

Tower End Fitting:	Gain / 12 deg / Steel
	Anchor / Ductile Iron
Line End Fitting:	2 HL Drop Tongue / Ductile Iron

Material

Corona Ring (Tower):	None
Corona Ring (Line):	None

Corona Rings are recommended for applications of 230 kV and above

Mounting Angle:		12 deg
Number of Sheds:		10
Rod Diameter:		2 in
Weight Estimate:	45.5 lbs	21 kg

Dimensional Values

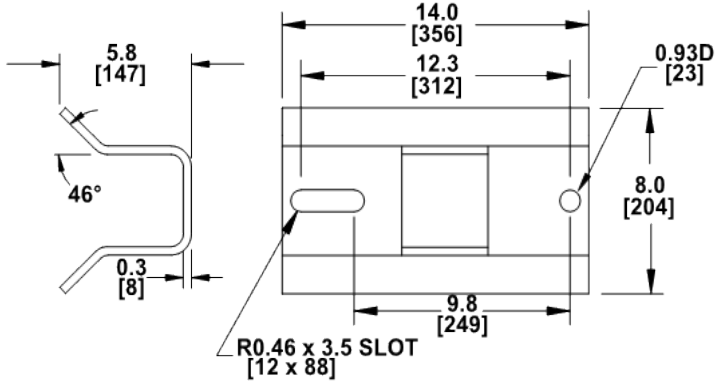
Section Length (L):	28 in	711 mm
Rubber Length (X):	18 in	457 mm
Shed spacing (S):	1.6 in	41 mm
Shed Projection (P):	2.7 in	68 mm
Dry Arc Distance:	21 in	533 mm
Leakage Distance:	68.6 in	1,742 mm

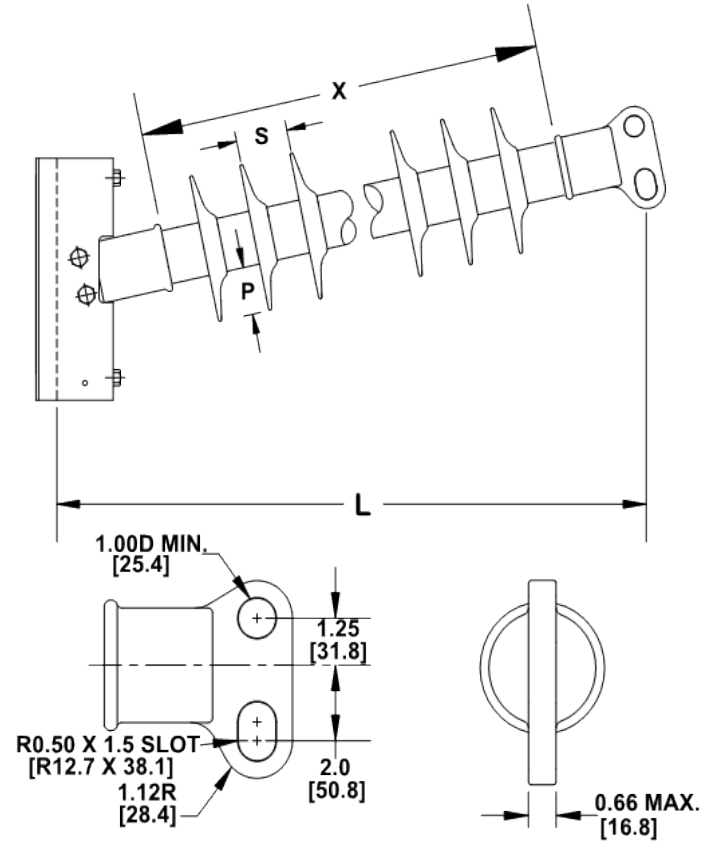
Electricals Values

60 Hz dry Flashover (Min. Withstand):	213 kV	200 kV
60 Hz Wet Flashover (Min. Withstand):	192 kV	146 kV
CIFO Positive (Min. Withstand):	361 kV	321 kV
CIFO Negative (Min. Withstand):	450 kV	355 kV

Mechanical Values

Max. Design Cant. Load (MDCL):	1,742 lbs	7.7 kN
Specified Cant. Load (SCL):	3,484 lbs	15.5 kN
Specified Tensile Load (STL):	7,000 lbs	31.1 kN





Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance.

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

Notes:

Prepared By: Laurel Wallace