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

APEX INSULATOR SYSTEMS

MPS Catalog Number **H2 90 10 039 MX SS 020**

Date 7/14/2014

End Fittings

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

Material

Corona Ring (Line)	None

Corona Rings are recommended for applications of 230 kV and above

Mounting Angle		12
Number of Sheds		20
Rod Diameter		2.5 in
Weight Estimate	60.6 lbs	27 kg

Dimensional Values

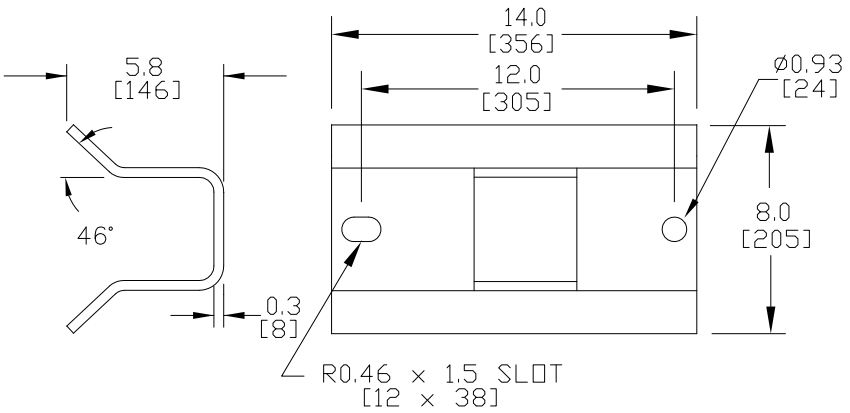
Section Length (L):	49.3 in	1253 mm
Rubber Length (X):	39 in	
Shed spacing (S):	2.0 in	50 mm
Shed Projection (P):	1.6 in	41 mm
Dry Arc Distance	41.2 in	1046 mm
Leakage Distance	106.1 in	2696 mm

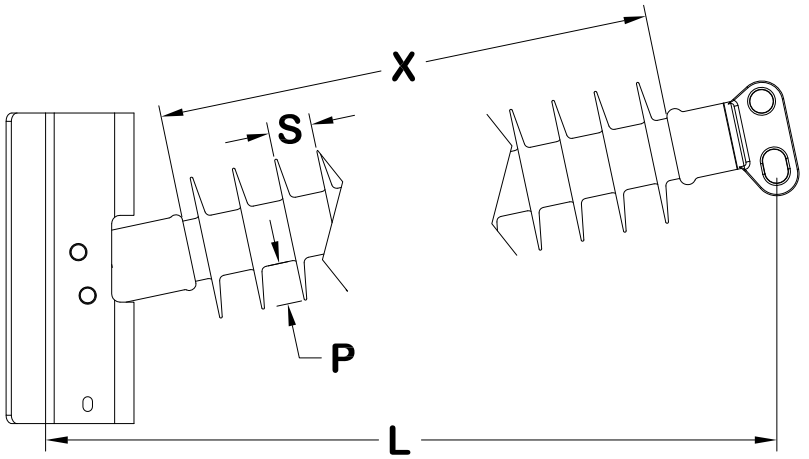
Electricals Values

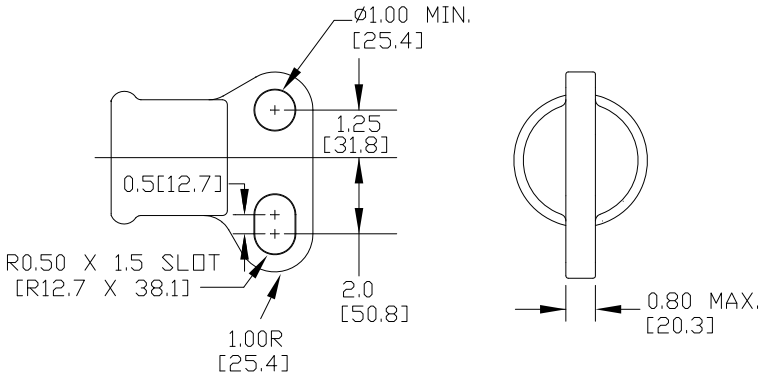
60 Hz dry Flashover	395 kV	Min. Withstand	371 kV
60 Hz Wet Flashover	366 kV	Min. Withstand	287 kV
Pos. Critical Impulse Flashover	680 kV	Min. Withstand	608 kV
Neg. Critical Impulse Flashover	759 kV	Min. Withstand	646 kV

Mechanical Values

Max. Design Cant. Load (MDCL)	1,900 lbs	8.5 kN
Specified Cant. Load (SCL)	3,800 lbs	16.9 kN
Specified Tensile Load (STL)	15,000 lbs	66.7 kN







Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance

Silicone Rubber Sheath & Sheds. Complies with applicable ANSI and IEC standards.