MacLean™ POWER SYSTEMS

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

MPS Catalog Number: **H2 90 10 040 BX SS 019**

Date: 05/20/2021

End Fittings

Tower End Fitting:	Gain / 12 deg / Steel Anchor / Ductile Iron
Line End Fitting:	2 HL Drop Tongue / Galv. 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:			19	
Rod Diameter:			2.5	in
Weight Estimate:	68.5	lbs	31	kg

Dimensional Values

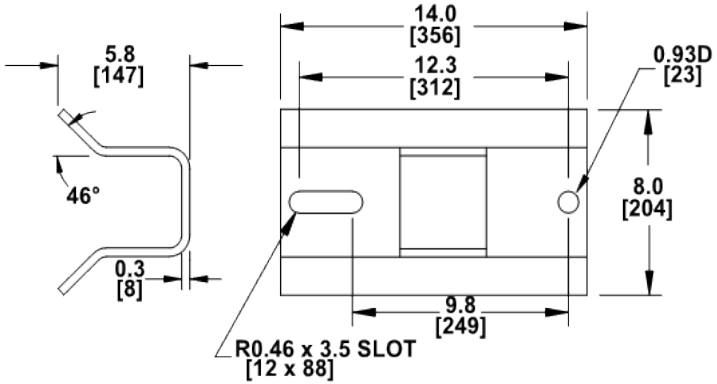
Section Length (L):	50.4	in	1,280	mm
Rubber Length (X):	40	in	1,016	mm
Shed spacing (S):	2	in	51	mm
Shed Projection (P):	2.4	in	61	mm
Dry Arc Distance:	42.9	in	1,090	mm
Leakage Distance:	125.5	in	3,188	mm

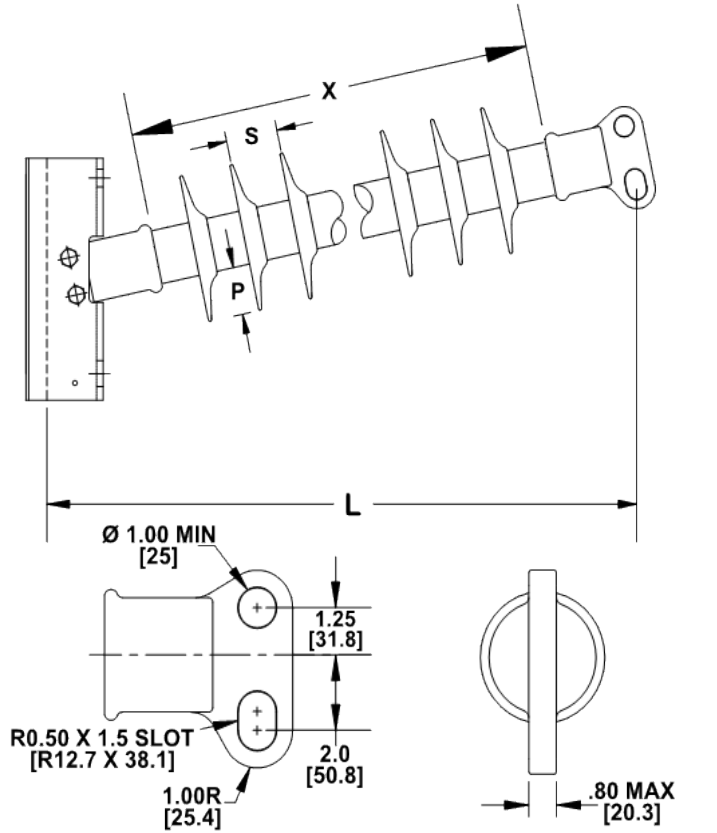
Electricals Values

60 Hz dry Flashover (Min. Withstand):	410	kV	385	kV
60 Hz Wet Flashover (Min. Withstand):	380	kV	299	kV
CIFO Positive (Min. Withstand):	708	kV	631	kV
CIFO Negative (Min. Withstand):	782	kV	670	kV

Mechanical Values

Max. Design Cant. Load (MDCL):	1,871	lbs	8.3	kN
Specified Cant. Load (SCL):	3,742	lbs	16.6	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 and sheds complies with applicable ANSI and IEC standards.

Notes:

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