MacLean POWER SYSTEMS™

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

MPS Catalog Number: **H3 90 10 100 BB SS 049**

Date: 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:			49	
Rod Diameter:			3	in
Weight Estimate:	165.8	lbs	75	kg

Dimensional Values

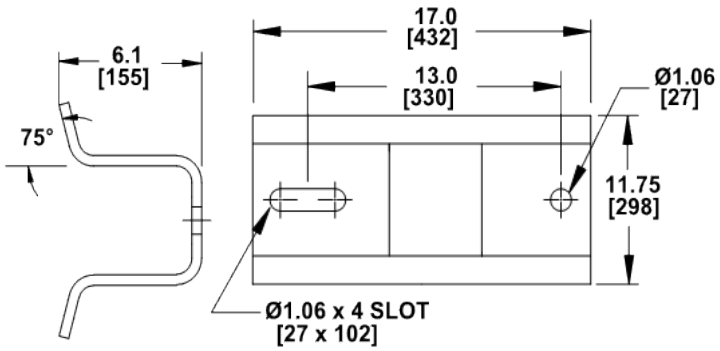
Section Length (L):	111.1	in	2,822	mm
Rubber Length (X):	100	in	2,540	mm
Shed spacing (S):	2	in	51	mm
Shed Projection (P):	2.7	in	68	mm
Dry Arc Distance:	100.4	in	2,550	mm
Leakage Distance:	338.5	in	8,598	mm

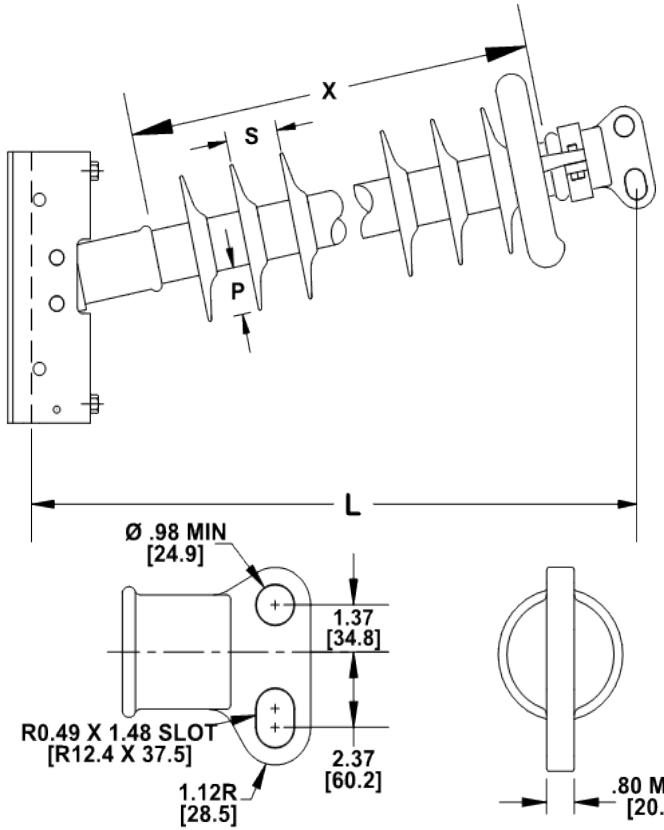
Electricals Values

60 Hz dry Flashover (Min. Withstand):	902	kV	847	kV
60 Hz Wet Flashover (Min. Withstand):	804	kV	662	kV
CIFO Positive (Min. Withstand):	1587	kV	1394	kV
CIFO Negative (Min. Withstand):	1601	kV	1455	kV

Mechanical Values

Max. Design Cant. Load (MDCL):	1,327	lbs	5.9	kN
Specified Cant. Load (SCL):	2,654	lbs	11.8	kN
Specified Tensile Load (STL):	20,000	lbs	89.0	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