MacLean™ POWER SYSTEMS

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

MPS Catalog Number: **H3 90 10 082 CA SS 050**

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):	6" Corona Ring

Corona Rings are recommended for applications of 230 kV and above

Mounting Angle:			17	deg
Number of Sheds:			50	
Rod Diameter:			3	in
Weight Estimate:	151.5	lbs	69	kg

Dimensional Values

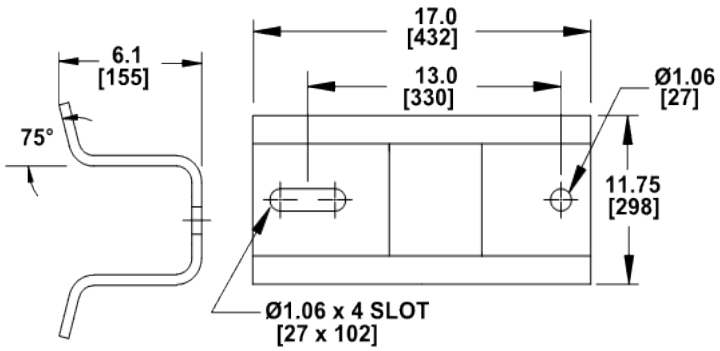
Section Length (L):	93.9	in	2,385	mm
Rubber Length (X):	82	in	2,083	mm
Shed spacing (S):	1.6	in	41	mm
Shed Projection (P):	2.7	in	68	mm
Dry Arc Distance:	83.7	in	2,126	mm
Leakage Distance:	325.4	in	8,265	mm

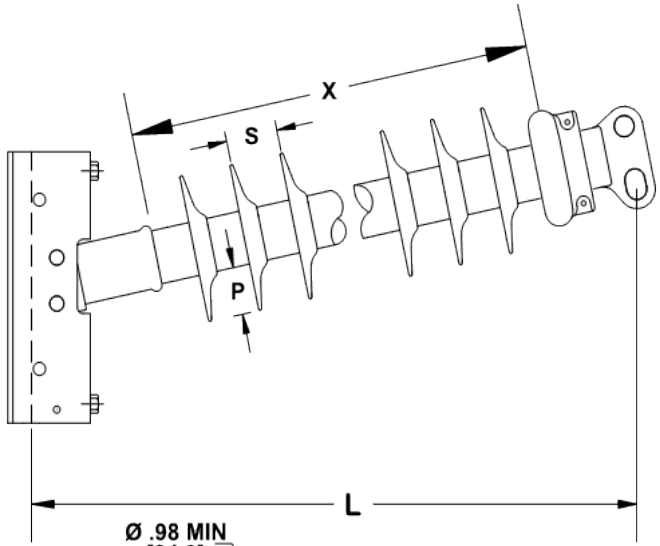
Electricals Values

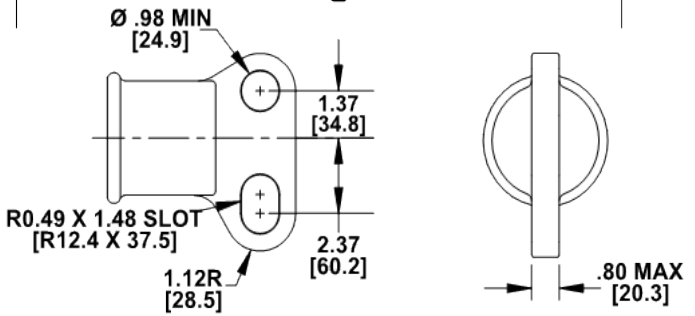
60 Hz dry Flashover (Min. Withstand):	763	kV	717	kV
60 Hz Wet Flashover (Min. Withstand):	691	kV	562	kV
CIFO Positive (Min. Withstand):	1342	kV	1180	kV
CIFO Negative (Min. Withstand):	1365	kV	1234	kV

Mechanical Values

Max. Design Cant. Load (MDCL):	1,598	lbs	7.1	kN
Specified Cant. Load (SCL):	3,196	lbs	14.2	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