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

MPS Catalog Number **H7 90 U0 018 MX SS 009**

Revision: PD-1 Date 4/5/2023

End Fittings

Tower End Fitting:	1 Piece Gain Base (Aluminum)
Line End Fitting:	Universal Trunnion (Aluminum)
	Conductor Range 0.20" - 1.34" (6.35mm 34mm)
	Recommended Torque: 60 lb*ft

Material

Number of Sheds:		9
Rod Diameter:		1-3/4"
Weight Estimate:	18.0 lbs	8.2 kg

Dimensional Values

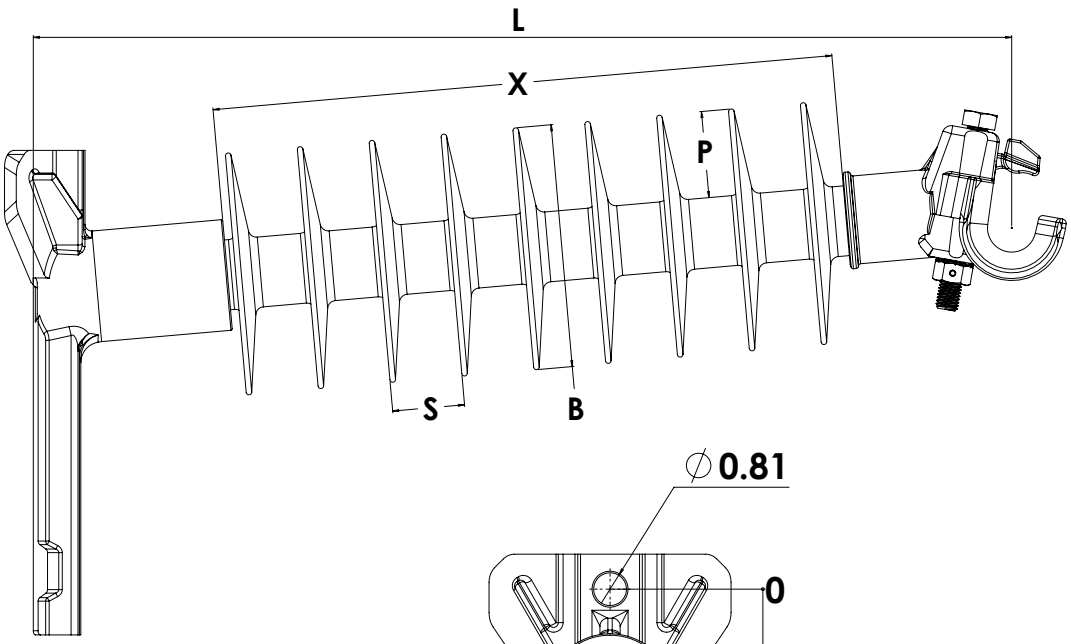
Section Length (L):	27.7 in	673 mm
Rubber Length (X):	18.0 in	456 mm
Shed Height (P):	2.4 in	62 mm
Shed Diameter (B):	6.9 in	175 mm
Shed Spacing (S):	2.0 in	52 mm
Dry Arc Distance:	20.8 in	529 mm
Leakage Distance:	58.2 in	1478 mm

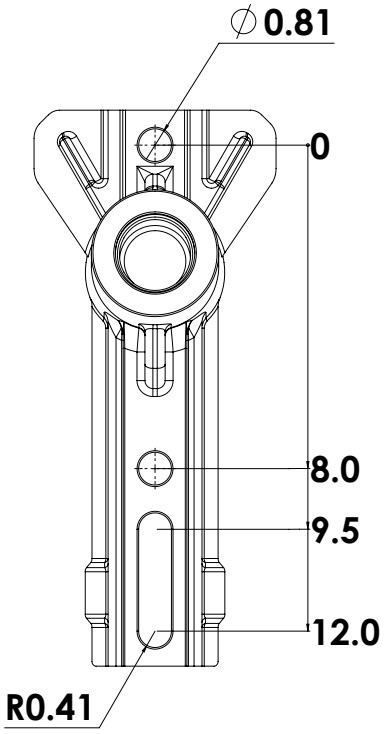
Electricals Values

60 Hz dry Flashover:	232 kV	Min. Withstand	198 kV
60 Hz Wet Flashover:	185 kV	Min. Withstand	145 kV
Positive CIFO:	358 kV	Min. Withstand	319 kV
Negative CIFO:	411 kV	Min. Withstand	352 kV

Mechanical Values

Max. Design Cant. Load (MDCL):	1,350 lbs	6.0 kN
Specified Cant. Load (SCL):	2,800 lbs	12.5 kN
Specified Tensile Load (STL):	5,000 lbs	22.2 kN





Part Marking:
MPS WO#
H790U0018MXSS009
69kV
MDCL 1,350 lbs/6.0 kN

Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance

Insulator assembly complies with ANSI C.29.18 and CSA C411.6 Standards