



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

MPS Catalog Number **H7 90 70 014 MX SS 007**
Revision: PD-1 Date 4/4/2023

End Fittings

Tower End Fitting: 1 Piece Gain Base (Aluminum)

Line End Fitting: F-Neck (Aluminum)

Material

Number of Sheds: 7
Rod Diameter: 1-3/4"
Weight Estimate: 15.0 lbs 6.8 kg

Dimensional Values

Section Length (L): 23.1 in 564 mm
Rubber Length (X): 13.8 in 351 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: 16.7 in 423 mm
Leakage Distance: 45.0 in 1142 mm

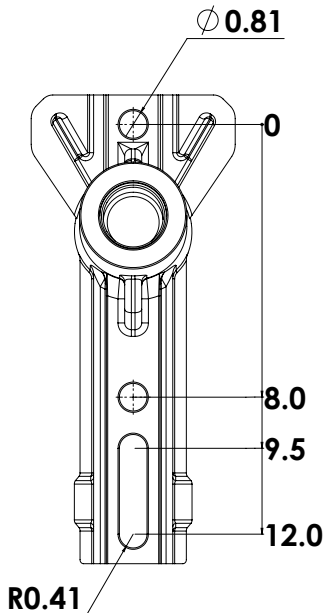
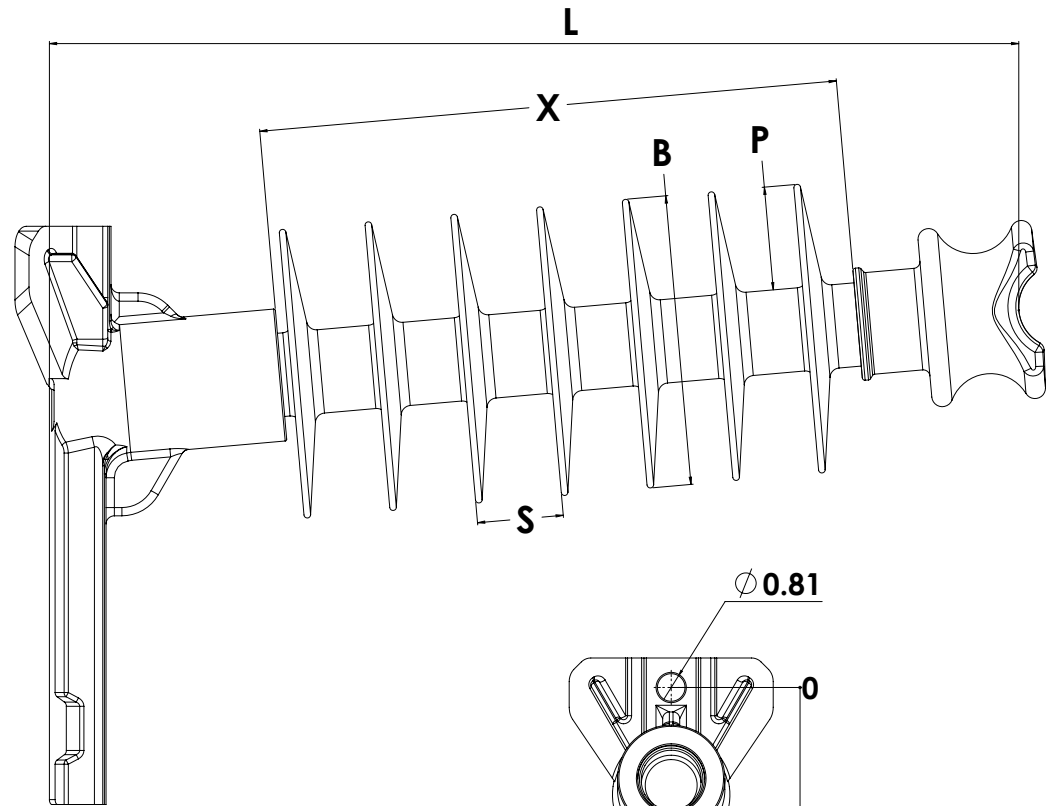
Electricals Values

60 Hz dry Flashover:	187 kV	Min. Withstand	162 kV
60 Hz Wet Flashover:	153 kV	Min. Withstand	115 kV
Positive CIFO:	293 kV	Min. Withstand	258 kV
Negative CIFO:	373 kV	Min. Withstand	291 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

This drawing contains confidential information that is the property of MacLean Power, L.L.C. ("MacLean"). Use of MacLean's confidential information without MacLean's express written consent is strictly prohibited and may expose you to legal liability. If you believe that you received this material in error, please destroy it or return it to "MacLean Power, L.L.C., 7801 Park Place Rd., York, South Carolina 29745, USA."



Part Marking:
MPS WO#
H09070014MXSS007
46kV
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