



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

MPS Catalog Number **H7 40 10 014 MX SS 007**
Revision: A Date 1/27/2023

End Fittings
Tower End Fitting: 3/4"-10 Round Base (Galv. Duct. Iron)

Line End Fitting: Drop Tongue (Aluminum)

Material
Number of Sheds: 7
Rod Diameter: 1-3/4"
Weight Estimate: 16.7 lbs 7.6 kg

Dimensional Values

Section Length (L):	22.0 in	558 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

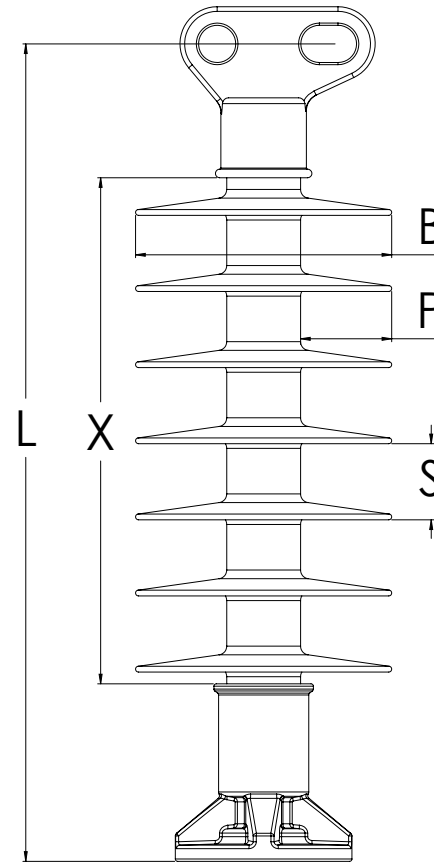
Electricals Values

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:	343 kV	Min. Withstand	291 kV

Mechanical Values

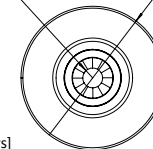
Max. Design Cant. Load (MDCL):	1,350 lbs	6. kN
Specified Cant. Load (SCL):	2,800 lbs	12.5 kN
Specified Tensile Load (STL):	5,000 lbs	22.2 kN

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ϕ 0.66 ∇ 1.17
3/4-10 UNC - 2B ∇ 1.00

ϕ 4.75



Dimension: inches [millimeters]

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

NOTE: Drawing not actual depiction of insulator appearance

Part Marking:
MPS WO#
H7 40 10 014 MX SS 007
46 kV
MDCL 1,350 lbs/6.0 kN