



MacLean Power
Systems

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

MPS Catalog Number

H7 40 20 018 MX SS 009

Revision: A

Date 1/23/2023

End Fittings

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

Line End Fitting: Horizontal Trunnion (Aluminum)

Material

Number of Sheds: 9
Rod Diameter: 1-3/4"
Weight Estimate: 18.2 lbs 8.3 kg

Dimensional Values

Section Length (L): 27.0 in 687 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

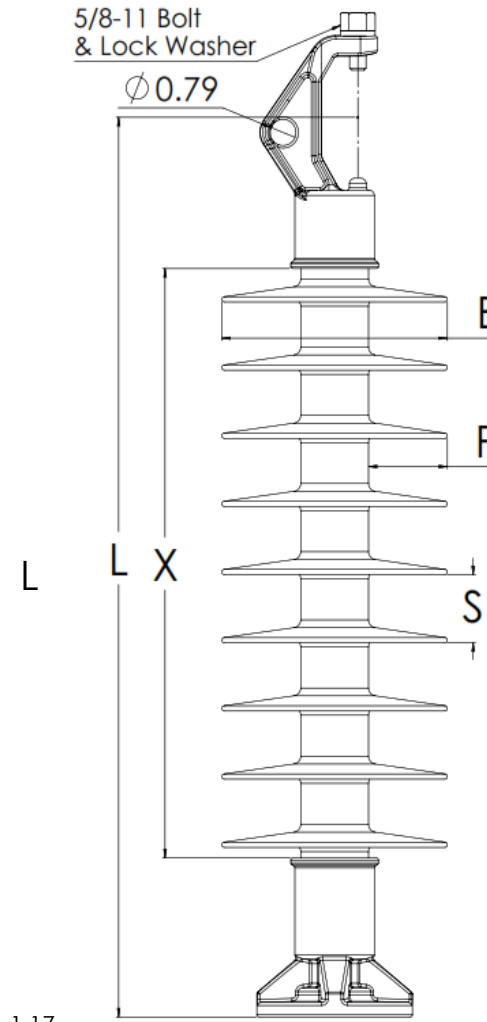
Electricals Values

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

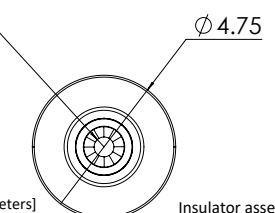
Mechanical Values

Max. Design Cant. Load (MDCL): 1,350 lbs 6. kN
Specified Cant. Load (SCL): 2,470 lbs 11 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



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 20 018 MX SS 009
69 kV
MDCL 1,350 lbs/6.0 kN