



MacLean Power
Systems

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

MPS Catalog Number

H7 40 70 012 MX SS 006

Revision: PD-2

Date 1/23/2023

End Fittings

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

Line End Fitting: F-Neck (Aluminum)

Material

Number of Sheds: 6

Rod Diameter: 1-3/4"

Weight Estimate: 16.0 lbs 7.3 kg

Dimensional Values

Section Length (L): 20.2 in 513 mm

Rubber Length (X): 11.8 in 300 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: 14.7 in 373 mm

Leakage Distance: 38.5 in 978 mm

Electricals Values

60 Hz dry Flashover: 170 kV Min. Withstand 145 kV

60 Hz Wet Flashover: 135 kV Min. Withstand 101 kV

Positive CIFO: 262 kV Min. Withstand 230 kV

Negative CIFO: 310 kV Min. Withstand 262 kV

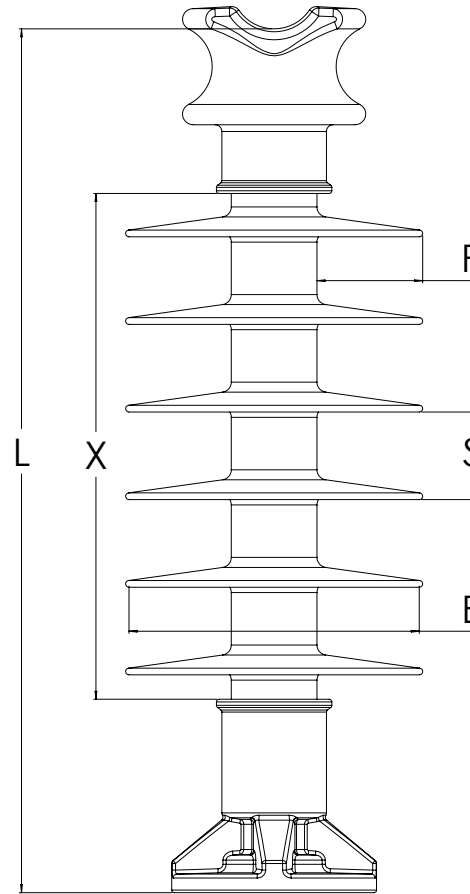
Mechanical Values

Max. Design Cant. Load (MDCL): 1,350 lbs 6. kN

Specified Cant. Load (SCL): 2,800 lbs 12.5 kN

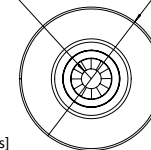
Specified Tensile Load (STL): 5,000 lbs 22.2 kN

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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#

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MDCL 1,350 lbs/6.0 kN