



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

MPS Catalog Number

H7 40 70 016 MX SS 008

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:

8

Rod Diameter:

1-3/4"

Weight Estimate:

17.6 lbs

8.0 kg

Dimensional Values

Section Length (L):

24.3 in 617 mm

Rubber Length (X):

15.9 in 404 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:

18.4 in 467 mm

Leakage Distance:

51.5 in 1308 mm

Electricals Values

60 Hz dry Flashover:

211 kV

Min. Withstand

177 kV

60 Hz Wet Flashover:

169 kV

Min. Withstand

128 kV

Positive CIFO:

320 kV

Min. Withstand

283 kV

Negative CIFO:

372 kV

Min. Withstand

316 kV

Mechanical Values

Max. Design Cant. Load (MDCL):

1,350 lbs

6. kN

Specified Cant. Load (SCL):

2,800 lbs

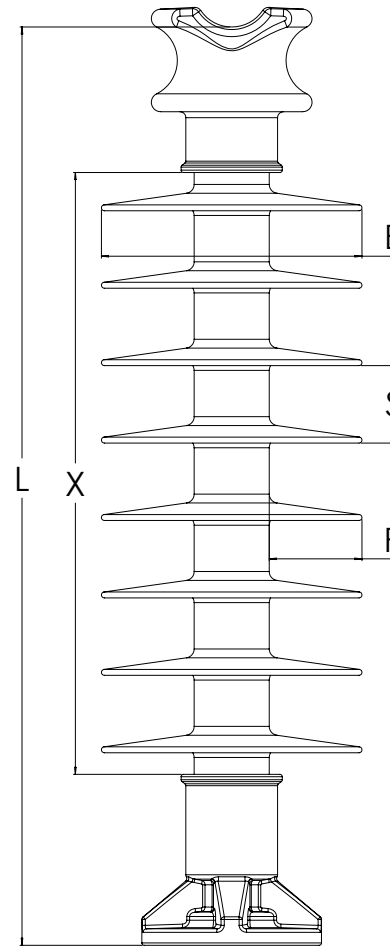
12.5 kN

Specified Tensile Load (STL):

5,000 lbs

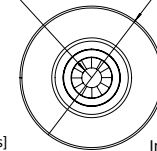
22.2 kN

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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

NOTE: Drawing not actual depiction of insulator appearance

C411.6 Standards

Part Marking:

MPS WO#

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MDCL 1,350 lbs/6.0 kN