



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

MPS Catalog Number

H7 40 10 018 MX SS 009

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:

18.2 lbs

8.3 kg

Dimensional Values

Section Length (L):

26.1 in 662 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

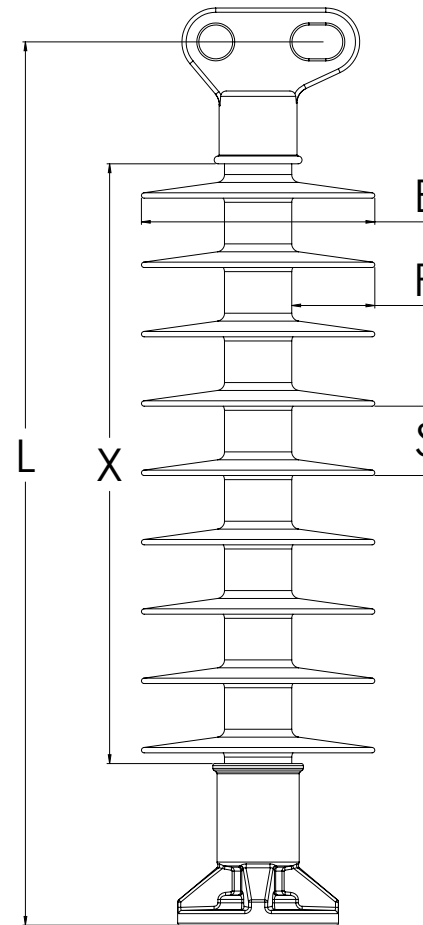
Specified Cant. Load (SCL):

2,470 lbs 11. kN

Specified Tensile Load (STL):

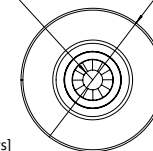
5,000 lbs 22.2 kN

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ϕ 0.66 ∇ 1.17
3/4-10 UNC - 2B ∇ 1.00

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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69 kV

MDCL 1,350 lbs/6.0 kN