



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

MPS Catalog Number

HO 40 U0 008 MX SS 004

Date 2/22/2021

35kV Universal Trunnion Head Composite Line Post Insulator

Revision: E

End Fittings

Tower End Fitting:

3/4"-10 Round Base (Galv. Duct. Iron)

Line End Fitting:

Universal Trunnion (Aluminum)

Conductor Range: 0.20" - 1.34" (5.1mm - 34mm)

Material

Number of Sheds:

4

Rod Diameter:

1-1/2"

Weight Estimate:

9.4 lbs

4.3 kg

Dimensional Values

Section Length (L):

16.6 in 421 mm

Rubber Length (X):

7.9 in 201 mm

Shed Height (P):

2.3 in 58 mm

Shed Diameter (B):

6.5 in 165 mm

Shed Spacing (S):

2.0 in 51 mm

Dry Arc Distance:

10.2 in 259 mm

Leakage Distance:

24.4 in 620 mm

Electricals Values

60 Hz dry Flashover:

135 kV

Min. Withstand

107 kV

60 Hz Wet Flashover:

96 kV

Min. Withstand

69 kV

Positive CIFO:

198 kV

Min. Withstand

166 kV

Negative CIFO:

228 kV

Min. Withstand

197 kV

Mechanical Values

Max. Design Cant. Load (MDCL):

1,350 lbs

6.0 kN

Specified Cant. Load (SCL):

2,800 lbs

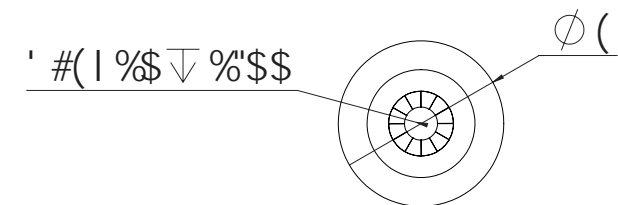
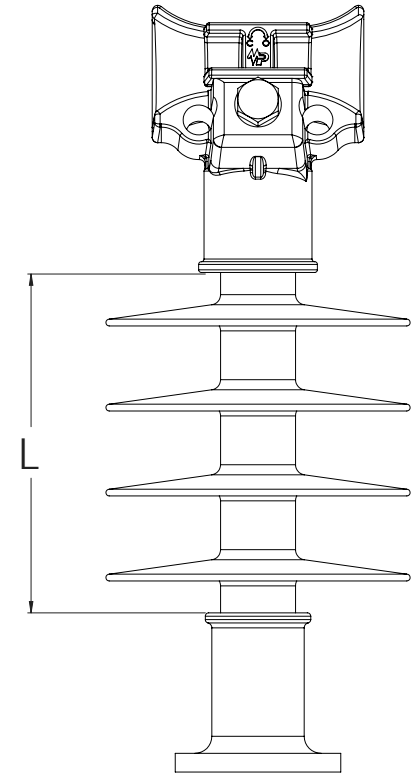
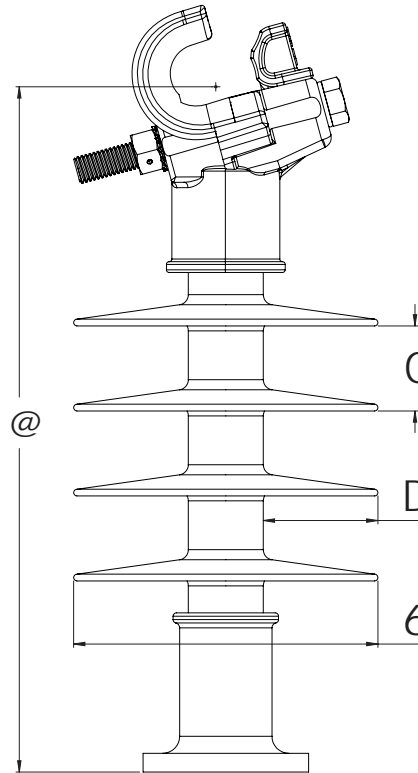
12.5 kN

Specified Tensile Load (STL):

5,000 lbs

22.2 kN

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Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance

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