



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

MPS Catalog Number

HO 40 U0 006 MX SS 003

Date 2/22/2021

28kV Universal Trunnion Head Composite Line Post

Revision: E

End Fittings Insulator

Tower End Fitting:

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

Line End Fitting:

Univeral Trunnion (Aluminum)
 Conductor Range: 0.25" - 1.34" (6.35mm -34mm)

Material

Number of Sheds:		3
Rod Diameter:		1-1/2"
Weight Estimate:	8.6 lbs	3.9 kg

Dimensional Values

Section Length (L):	14.6 in	371 mm
Rubber Length (X):	5.9 in	151 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:	8.2 in	209 mm
Leakage Distance:	18.3 in	465 mm

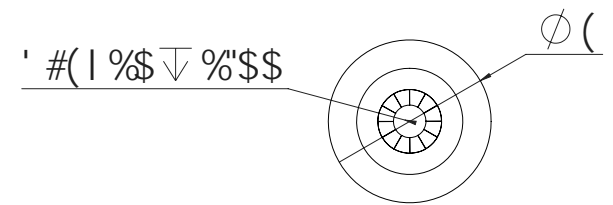
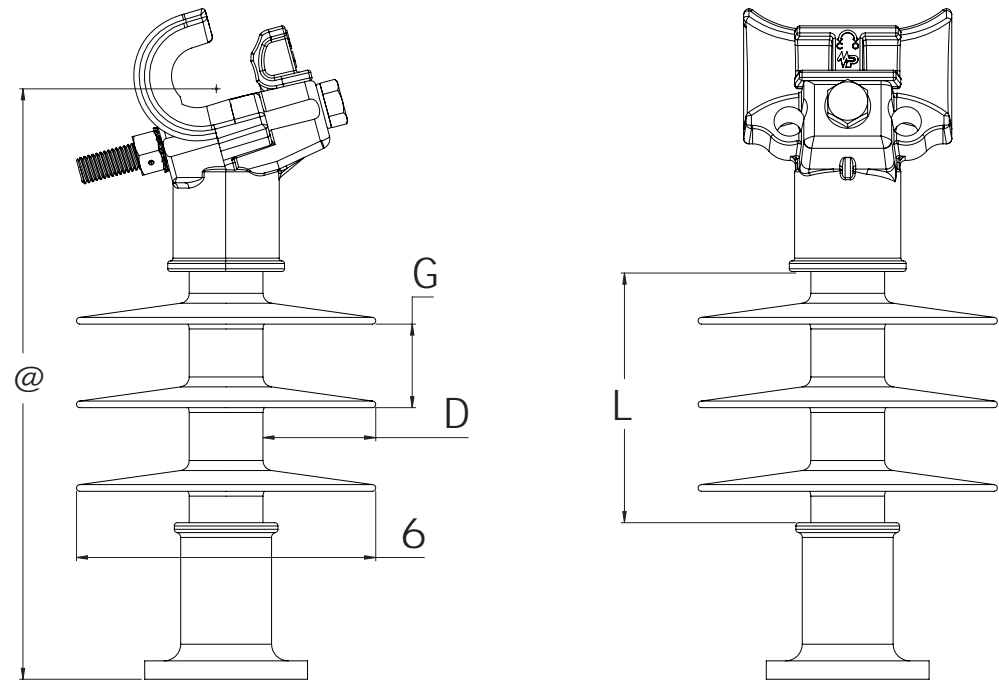
Electricals Values

60 Hz dry Flashover:	112 kV	Min. Withstand	91 kV
60 Hz Wet Flashover:	84 kV	Min. Withstand	55 kV
Positive CIFO:	170 kV	Min. Withstand	138 kV
Negative CIFO:	209 kV	Min. Withstand	169 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