



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

MPS Catalog Number

H7 90 10 018 MX SS 009

Revision: A

Date 5/9/2023

End Fittings

Tower End Fitting:

1 Piece Gain Base (Aluminum)

Line End Fitting:

Drop Tongue

Material

Number of Sheds:

9

Rod Diameter:

1-3/4"

Weight Estimate:

17.6 lbs

8.0 kg

Dimensional Values

Section Length (L):

26.8 in 681 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

6.0 kN

Specified Cant. Load (SCL):

2,800 lbs

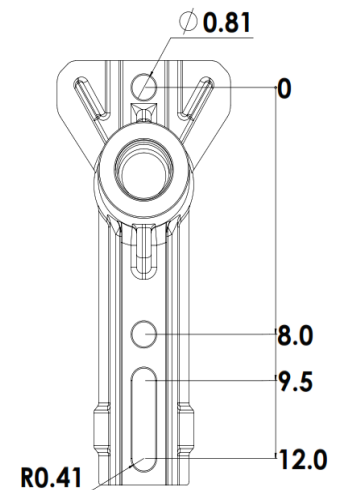
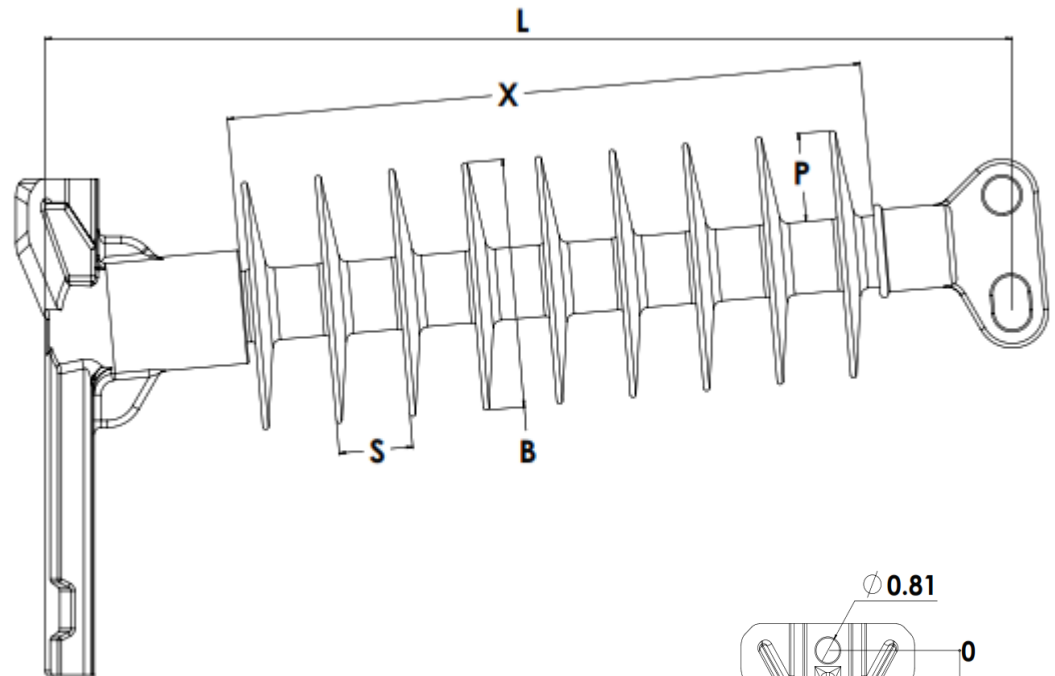
12.5 kN

Specified Tensile Load (STL):

5,000 lbs

22.2 kN

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Part Marking:

MPS WO#

H79010018MXSS009

69kV

MDCL 1,350 lbs/6.0 kN

Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance

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