



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

MPS Catalog Number

**H7 40 20 010 MX SS 005**

Revision: A

Date 1/23/2023

**End Fittings**

Tower End Fitting:

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

Line End Fitting:

Horizontal Trunnion (Aluminum)

**Material**

Number of Sheds:

5

Rod Diameter:

1-3/4"

Weight Estimate:

15.1 lbs

6.8 kg

**Dimensional Values**

Section Length (L):

18.8 in 478 mm

Rubber Length (X):

9.8 in 249 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:

12.6 in 321 mm

Leakage Distance:

32.2 in 817 mm

**Electricals Values**

60 Hz dry Flashover:

163 kV

Min. Withstand

128 kV

60 Hz Wet Flashover:

117 kV

Min. Withstand

86 kV

Positive CIFO:

230 kV

Min. Withstand

200 kV

Negative CIFO:

275 kV

Min. Withstand

232 kV

**Mechanical Values**

Max. Design Cant. Load (MDCL):

1,350 lbs 6. kN

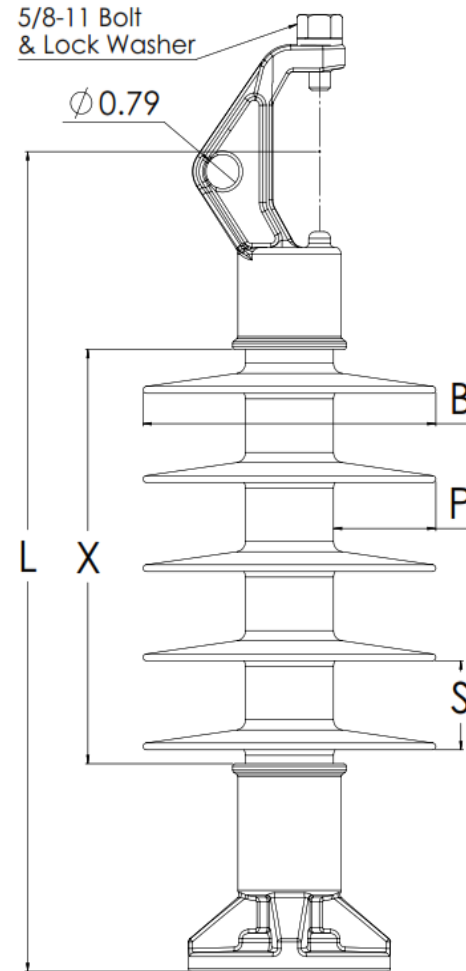
Specified Cant. Load (SCL):

2,800 lbs 12.5 kN

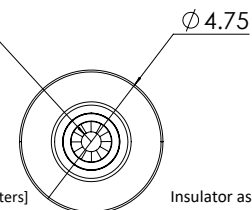
Specified Tensile Load (STL):

5,000 lbs 22.2 kN

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$\phi 0.66 \nabla 1.17$   
3/4-10 UNC - 2B  $\nabla 1.00$



Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance

Insulator assembly complies with ANSI C.29.18 and CSA

C411.6 Standards

**Part Marking:**

MPS WO#  
H7 40 20 010 MX SS 005  
46 kV  
MDCL 1,350 lbs/6.0 kN