



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

MPS Catalog Number

**H7 40 20 014 MX SS 007**

Revision: PD-4

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:

7

Rod Diameter:

1-3/4"

Weight Estimate:

16.7 lbs

7.6 kg

**Dimensional Values**

Section Length (L):

22.9 in 582 mm

Rubber Length (X):

13.8 in 351 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:

16.7 in 423 mm

Leakage Distance:

45.0 in 1142 mm

**Electricals Values**

60 Hz dry Flashover:

187 kV

Min. Withstand

162 kV

60 Hz Wet Flashover:

153 kV

Min. Withstand

115 kV

Positive CIFO:

293 kV

Min. Withstand

258 kV

Negative CIFO:

343 kV

Min. Withstand

291 kV

Max. Design Cant. Load (MDCL):

1,350 lbs

6. kN

Specified Cant. Load (SCL):

2,800 lbs

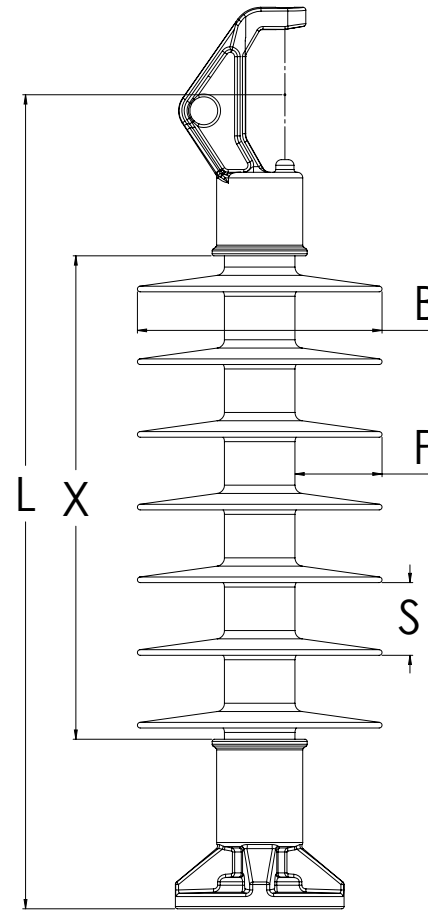
12.5 kN

Specified Tensile Load (STL):

5,000 lbs

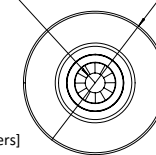
22.2 kN

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

$\phi$  4.75



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 20 014 MX SS 007  
46 kV  
MDCL 1,350 lbs/6.0 kN