



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

MPS Catalog Number

Date 10/17/2024

Revision: A

**P4 50 50 068 AB SS 027**  
Dimensions acc. To ANSI C29.19  
BIL Rating: 900 kV TR308

Top End Fitting:  
Bottom End Fitting:

**End Fittings**

5 Inch Bolt Circle (Hot Dip Galvanized Cast Iron)  
5 Inch Bolt Circle (Hot Dip Galvanized Cast Iron)

Number of Sheds:  
Rod Diameter:  
Weight Estimate:  
Packaging:

**Material**

27  
3.5 Inches  
110 lbs  
50 kg  
18 Per Crate

Height (L):  
Rubber Length (X):  
Shed Diameter (B):  
Shed Spacing (S):  
Dry Arc Distance:  
Leakage Distance:

**Dimensional Values**

80.0 in 2032 mm  
68.0 in 1727 mm  
9.2 in 234 mm  
2.5 in 64 mm  
68.9 in 1750 mm  
204.0 in 5182 mm

Low Freq. dry Flashover:  
Low Freq. Wet Flashover:  
Positive CIFO:  
Max RIV @ 1 MHz. Low-freq. test voltage

**Electrical Values**

637 kV  
584 kV  
1116 kV  
146kV  
Min. Withstand 598 kV  
Min. Withstand 469 kV  
Min. Withstand 986 kV  
500 μV

Specified Cant. Load (SCL):  
Max. Design Cant. Load (MDCL):  
Specified Tensile Load (STL):  
Specified Compression Strength  
Deflection at 580 lbs\* (2.2kN)  
Specified Torsional Strength

**Mechanical Values**

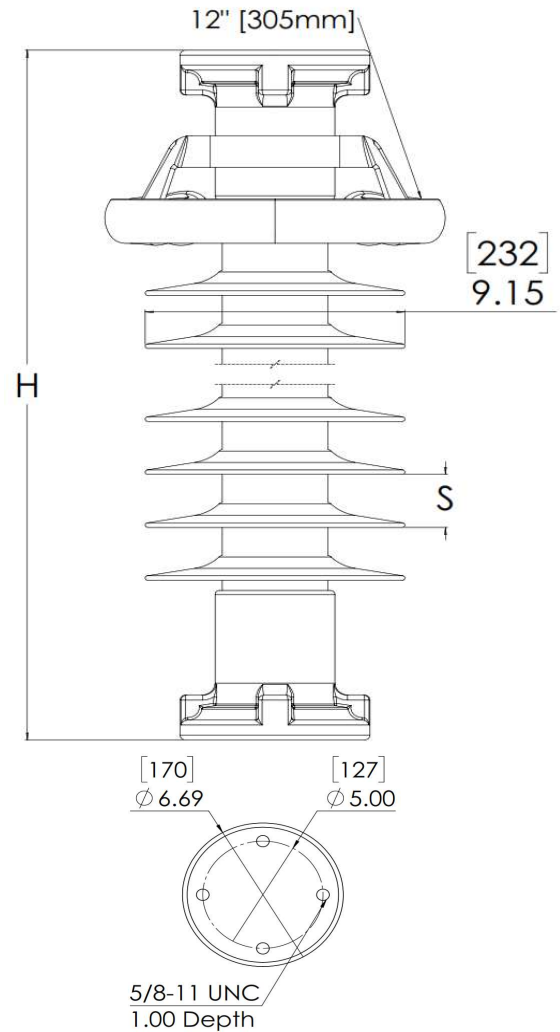
4,824 lbs 21.5 kN  
2,412 lbs 10.7 kN  
25,500 lbs 113 kN  
25,500 lbs 113 kN  
.2 in 5 mm  
18,000 In-lbs 2,034 Nm

Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance

Silicone Rubber, Sheath, & Dimensions comply with  
ANSI C29.19 and CSA C156.2.

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\*Deflection values based on working load of porcelain