



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

MPS Catalog Number
Date 6/18/2025
Revision: C

P4 50 50 033 MX SS 020
Dimensions acc. To ANSI C29.19
BIL Rating: 550 kV TR287P

End Fittings
Top End Fitting: 5 Inch Bolt Circle (Hot Dip Galvanized Cast Iron)
Bottom End Fitting: 5 Inch Bolt Circle (Hot Dip Galvanized Cast Iron)

Material
Number of Sheds: 20
Rod Diameter: 3.5 Inches
Weight Estimate: 68 lbs 31 kg
Packaging: 15 Per Crate

Dimensional Values
Height (L): 45.0 in 1143 mm
Rubber Length (X): 33.0 in 838 mm
Shed Diameter (B): 8.0 in 203 mm
Shed Spacing (S): 1.7 in 43 mm
Dry Arc Distance: 35.6 in 904 mm
Leakage Distance: 112.8 in 2865 mm

Electrical Values
Low Freq. dry Flashover: 385 kV
Low Freq. Wet Flashover: 300 kV
Positive CIFO: 554 kV
Max RIV @ 1 MHz. Low-freq. test voltage 73kV
Min. Withstand 345 kV
Min. Withstand 230 kV
Min. Withstand 495 kV
200 μ V

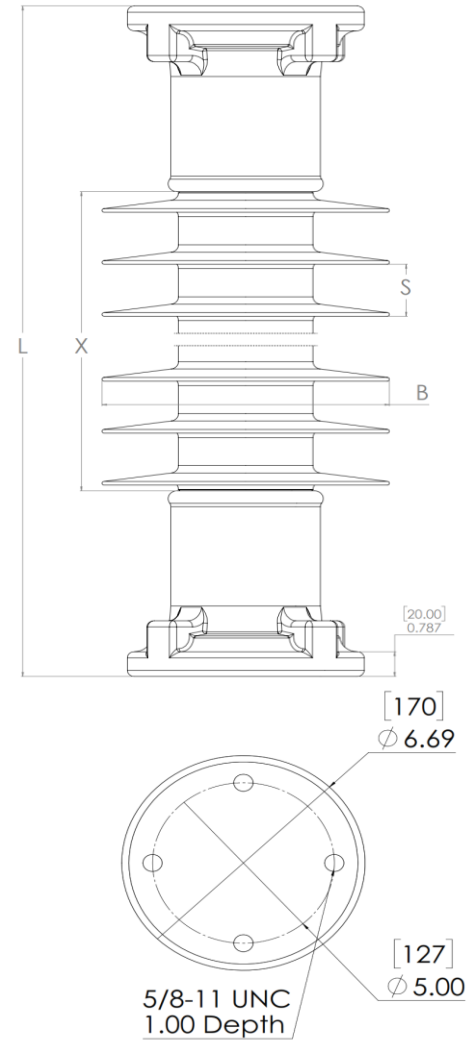
Mechanical Values
Specified Cant. Load (SCL): 9,200 lbs 40.9 kN
Max. Design Cant. Load (MDCL): 4,600 lbs 20.5 kN
Specified Tensile Load (STL): 25,000 lbs 111 kN
Specified Compression Strength 25,000 lbs 111 kN
Deflection at 680 lbs* (3.0kN) .5 in 13 mm
Specified Torsional Strength 54,000 In-lbs 6,101 Nm

Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance

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



*Deflection values based on working load of porcelain