



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

MPS Catalog Number

Date 6/17/2025

Revision: C

P2 50 50 022 MX SS 011

Dimensions acc. To ANSI C29.19

BIL Rating: 350 kV TR278P

Top End Fitting:

Bottom End Fitting:

Number of Sheds:

Rod Diameter:

Weight Estimate:

Packaging:

End Fittings

5 Inch Bolt Circle (Hot Dip Galvanized Cast Iron)

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Material

11

2.5 Inches

17 kg

18 Per Crate

Dimensional Values

Height (L):	30.0 in	762 mm
Rubber Length (X):	21.9 in	556 mm
Shed Diameter (B):	7.7 in	196 mm
Shed Spacing (S):	2.0 in	51 mm
Dry Arc Distance:	25.2 in	640 mm
Leakage Distance:	72.0 in	1829 mm

Electrical Values

Low Freq. dry Flashover:	230 kV	Min. Withstand	205 kV
Low Freq. Wet Flashover:	195 kV	Min. Withstand	145 kV
Positive CIFO:	390 kV	Min. Withstand	350 kV
Max RIV @ 1 MHz. Low-freq. test voltage	44kV		200 μV

Mechanical Values

Specified Cant. Load (SCL):	6,200 lbs	27.6 kN
Max. Design Cant. Load (MDCL):	3,100 lbs	13.8 kN
Specified Tensile Load (STL):	17,500 lbs	78 kN
Specified Compression Strength	17,500 lbs	78 kN
Deflection at 1200 lbs* (5.3kN)	.7 in	18 mm
Specified Torsional Strength	32,000 In-lbs	3,615 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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