



MPS Catalog Number

Date 6/18/2025

Revision: C

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

P2 50 50 046 MX SS 023

Dimensions acc. To ANSI C29.19

BIL Rating: 650 kV TR288P

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

Number of Sheds: 23
Rod Diameter: 2.5 Inches
Weight Estimate: 23 kg
Packaging: 18 Per Crate

Dimensional Values

Height (L):	54.0 in	1372 mm
Rubber Length (X):	46.0 in	1168 mm
Shed Diameter (B):	7.7 in	196 mm
Shed Spacing (S):	2.0 in	51 mm
Dry Arc Distance:	49.3 in	1252 mm
Leakage Distance:	145.8 in	3703 mm

Electrical Values

Low Freq. dry Flashover:	435 kV	Min. Withstand	390 kV
Low Freq. Wet Flashover:	380 kV	Min. Withstand	275 kV
Positive CIFO:	710 kV	Min. Withstand	650 kV
Max RIV @ 1 MHz. Low-freq. test voltage	88kV		200 μV

Mechanical Values

Specified Cant. Load (SCL):	3,300 lbs	14.7 kN
Max. Design Cant. Load (MDCL):	1,650 lbs	7.3 kN
Specified Tensile Load (STL):	17,500 lbs	78 kN
Specified Compression Strength	17,500 lbs	78 kN
Deflection at 560 lbs* (2.5kN)	1.4 in	36 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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