

MPS Catalog Number
Date 10/10/2025
Revision: B

NPP 20 XG 07 S

BIL Rating: 110 kV

Dimensions acc. To ANSI C29.19

End Fittings

Top End Fitting: 3 Inch Bolt Circle (Hot Dip Galvanized Cast Iron)
Bottom End Fitting: 3 Inch Bolt Circle (Hot Dip Galvanized Cast Iron)

Material

Number of Sheds: 7
Rod Diameter: 1.75 inches
Weight Estimate: 7 lbs 3 kg

Dimensional Values

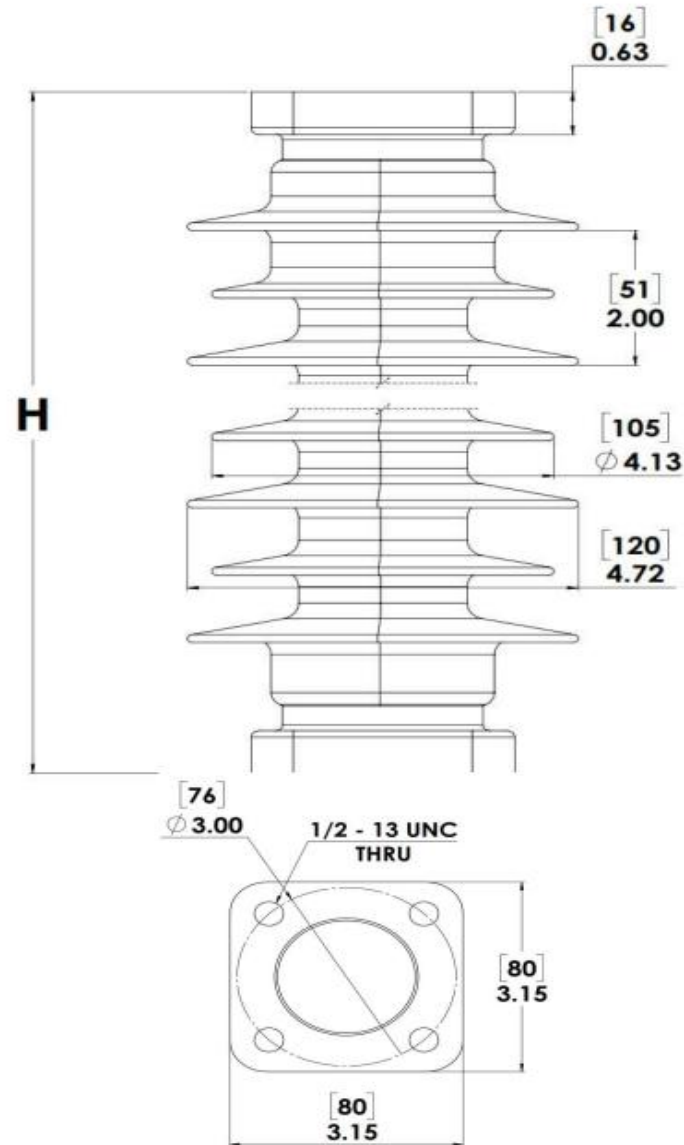
Height (H):	10.0 in	254 mm
Shed Diameter (B1):	4.1 in	105 mm
Shed Diameter (B2):	4.7 in	120 mm
Shed Spacing (S):	2.0 in	51 mm
Dry Arc Distance:	8.9 in	225 mm
Leakage Distance:	20.5 in	520 mm

Electrical Values

Low Frequency Withstand Voltage (wet)	45 kV
Positive CIFO:	125 kV
Max RIV @ 1 MHz. Low-freq. test voltage 10kV	50 μV

Mechanical Values

Specified Cant. Load (SCL):	2,800 lbs	12.5 kN
Max. Design Cant. Load (MDCL):	1,400 lbs	6.2 kN
Specified Tensile Load (STL):	16,000 lbs	71 kN
Compression Strength	10,000 lbs	44 kN
Deflection at 800 lbs. (3.6kN) TR205	.1 in	3 mm
Torsional Strength	12,000 In-lbs	1,400 m.N



Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance

Silicone Rubber Sheath & Sheds. Complies with applicable ANSI and IEC standards.