MacLean™ POWER SYSTEMS

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

MPS Catalog Number **NPVG 10 XB 003 S0**

Date 4/28/2022

End Fittings

Tower End Fitting:	Gain Base VB-08/ 90 deg / Galv. Ductile Iron
Line End Fitting:	Vertical Trunnion / Galv. Ductile Iron

Material

Mounting Angle:		90 deg
Number of Sheds:		3
Rod Diameter:		1.50 in
Weight Estimate:	14.3 lbs	6.5 kg

Dimensional Values

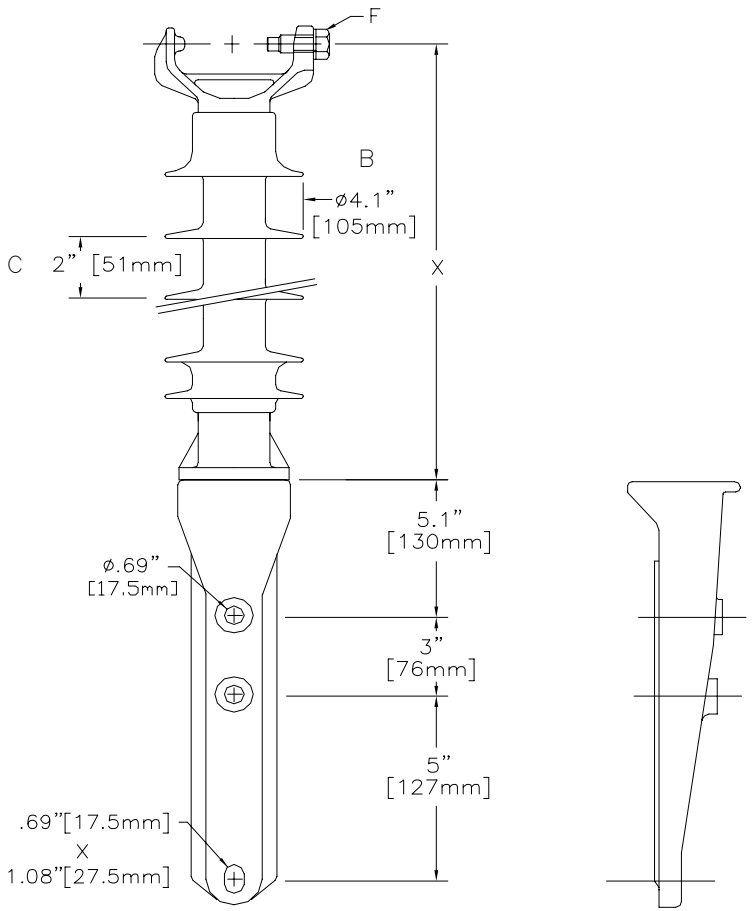
Section Length (X):	10.9 in	277 mm
Shed Diameter (B):	4.1 in	105 mm
Shed Spacing (C):	2.0 in	51 mm
Trunnion Bolt (F):	5/8 in - 11 bolt & lockwasher	
Dry Arc Distance:	7.2 in	183 mm
Leakage Distance:	11.3 in	288 mm

Electricals Values

60 Hz dry Flashover:	86 kV	Min. Withstand	81 kV
60 Hz Wet Flashover:	66 kV	Min. Withstand	50 kV
Pos. Critical Impulse Flashover:	146 kV	Min. Withstand	126 kV
Neg. Critical Impulse Flashover:	193 kV	Min. Withstand	151 kV

Mechanical Values

Specified Tensile Load (STL):	5,000 lbs	22.2 kN
Max. Design Cant. Load (MDCL):	1,235 lbs	5.5 kN
Specified Cant. Load (SCL):	2,470 lbs	11.0 kN



Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance

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

Notes:

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