

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

Braced Post Insulator Assembly B2901099T12084AA

1) H2 90 10 090 AX SS 035	[1]
2) S1 40 80 079 VA SS 043	[1]
3) Socket/Y-Clevis (SYC-56)	[1]
4) Turnbuckle (G-227-NBC-3/4x6C)	[1]
5) Shackle (ASH-55-BC)	[1]

ASSEMBLY DIMENSIONAL VALUES

Post Section Length (PSL)	99.3 in	2,522 mm
Suspension Section Length (SSL)	90.6 in	2,301 mm
Height of Assembly (H)	84.0 in	2,134 mm
Length of Brace (B)	114.9 in	2,918 mm
Upper Pole Connection Offset (A)*	2.0 in	51 mm
Angle Between Insulators (C)		44 Degrees
Dry Arc Distance	79.0 in	2,007 mm
Leakage Distance	244.6 in	6,213 mm

^{*}This connection bracket to be supplied by customer

ASSEMBLY ELECTRICAL VALUES*

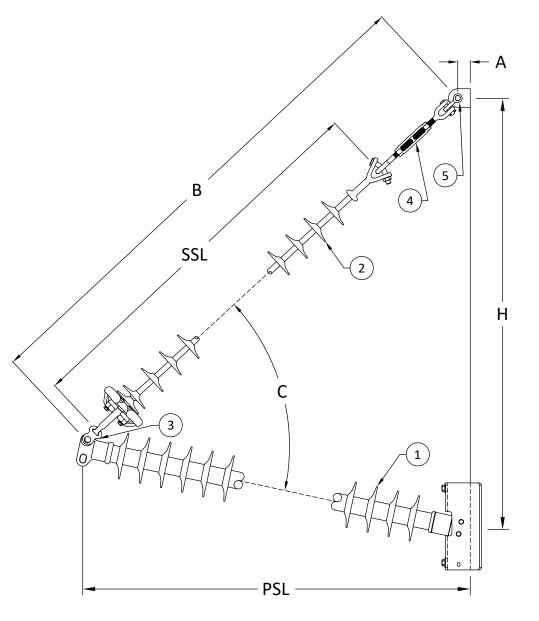
60 Hz Dry F.O. (Min. Withstand)	724 kV	(679) kV
60 Hz Wet F.O. (Min. Withstand)	658 kV	(533) kV
CIFO+ (Min. Withstand)	1,271 kV	(1,119) kV
CIFO- (Min. Withstand)	1,297 kV	(1,170) kV

^{*}Values shown are based on minimum electicals for the assembly

ASSEMBLY MECHANICAL VALUES

Maximum Working Vertical Load	9.760 lbs	43.4 kN
Maximum vvoiking vertical Load	3,700 103	40.4 KIN

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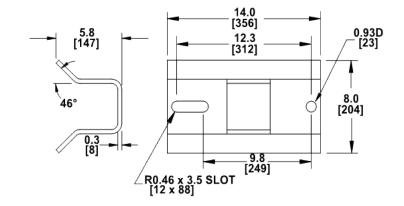


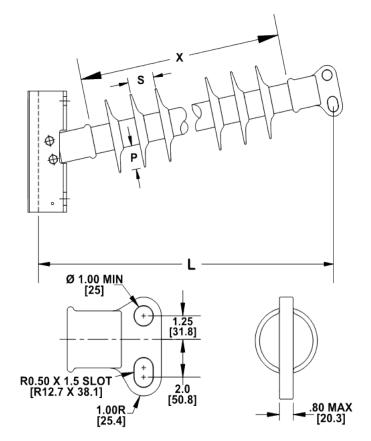


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H2 90 10 090 AX SS 035 MPS Catalog Number: Date: 04/11/2022 **End Fittings** Gain / 12 deg / Steel Tower End Fitting: Anchor / Ductile Iron 2 HL Drop Tongue / Galv. Ductile Iron Line End Fitting: **Material** Corona Ring (Tower): None Corona Ring (Line): None Corona Rings are recommended for applications of 230 kV and above Mounting Angle: 12 deg 35 Number of Sheds: Rod Diameter: 2.5 in 101.7 lbs Weight Estimate: 46 kg **Dimensional Values** Section Length (L): 99.3 in 2,522 mm 90 in Rubber Length (X): 2,286 mm Shed spacing (S): 2.5 in 64 mm 2.4 in Shed Projection (P): 61 mm 92.9 in Dry Arc Distance: 2,360 mm 247.5 in 6,287 mm Leakage Distance: **Electricals Values** 60 Hz dry Flashover (Min. Withstand): 840 kV 789 kV 755 kV 60 Hz Wet Flashover (Min. Withstand): 618 kV CIFO Positive (Min. Withstand): 1478 kV 1299 kV CIFO Negative (Min. Withstand): 1496 kV 1356 kV **Mechanical Values** 3.9 kN Max. Design Cant. Load (MDCL): 885 lbs Specified Cant. Load (SCL): 1,770 lbs 7.9 kN Specified Tensile Load (STL): 15.000 lbs 66.7 kN

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Dimension: inches [millimeters]

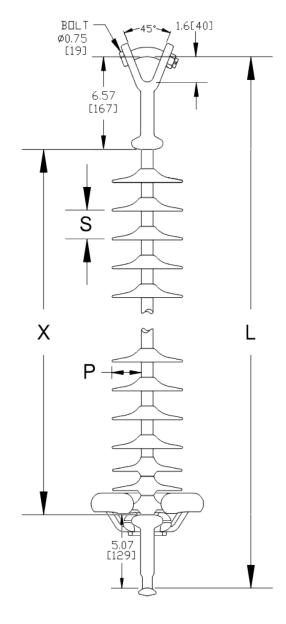
NOTE: Drawing not actual depiction of insulator appearance.

Silicone rubber sheath and sheds complies with applicable ANSI and IEC standards.



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MPS Catalog Number:	S1 40 80 0/9 VA SS 043
Date:	04/12/202
End Fit	ttings
Tower End Fitting:	Y-Clevi
Line End Fitting:	Ball (ANSI 52-5
Mate	rial
Corona Ring (Tower):	Non
Corona Ring (Line):	8" Corona Rin
Corona Rings are recommended	for applications of 230 kV and above
Number of Sheds:	43 Standard
Rod Diameter:	16 mm
Weight Estimate:	20.6 lbs 9 kg
Dimension	al Values
Section Length (L):	90.6 in 2,301 mm
Rubber Length (X):	79 in 2,007 mm
Standard Shed Height (P):	2.1 in 54 mm
Shed Spacing (S):	1.85 in 47 mm
Dry Arc Distance:	79 in 2,007 mm
Leakage Distance:	244.6 in 6,213 mm
Electricals	s Values
60 Hz dry Flashover (Min. Withstand):	767 kV 694 kV
60 Hz Wet Flashover (Min. Withstand):	658 kV 572 kV
CIFO Positive (Min. Withstand):	1277 kV 1138 kV
CIFO Negative (Min. Withstand):	1337 kV 1196 kV
Mechanica	al Values
Specified Mech. Load (SML):	25,000 lbs 111.2 kN
Routine Test Load (RTL):	12,500 lbs 55.6 kN



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Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance.

Silicone rubber sheath and sheds complies with applicable ANSI and IEC standards.

Notes:

