

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

Braced Post Insulator Assembly B2901072T12085AA

1) H2 90 10 062 AX SS 024	[1]
2) S1 40 80 062 MA AL 040	[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)	71.9 in	1,826 mm
Suspension Section Length (SSL)	73.5 in	1,867 mm
Height of Assembly (H)	85.0 in	2,159 mm
Length of Brace (B)	97.7 in	2,482 mm
Upper Pole Connection Offset (A)*	2.0 in	51 mm
Angle Between Insulators (C)		57 Degrees
Dry Arc Distance	59.5 in	1,511 mm
Leakage Distance	170.0 in	4,318 mm

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

ASSEMBLY ELECTRICAL VALUES*

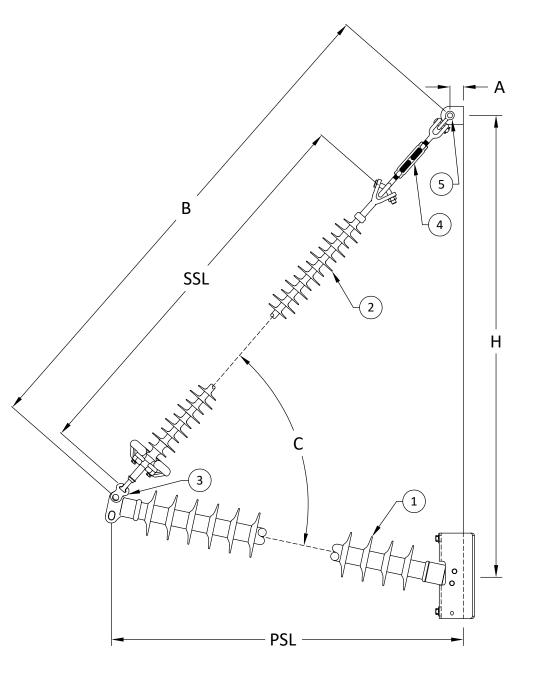
60 Hz Dry F.O. (Min. Withstand)	556 kV	(522) kV
60 Hz Wet F.O. (Min. Withstand)	513 kV	(409) kV
CIFO+ (Min. Withstand)	970 kV	(859) kV
CIFO- (Min. Withstand)	1,012 kV	(903) kV

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

ASSEMBLY MECHANICAL VALUES

Maximum Working Vertical Load	10.718 lbs	47.7 kN

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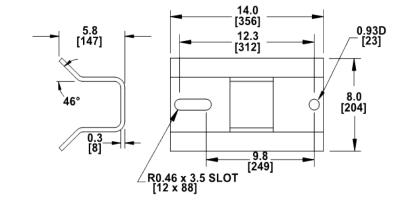


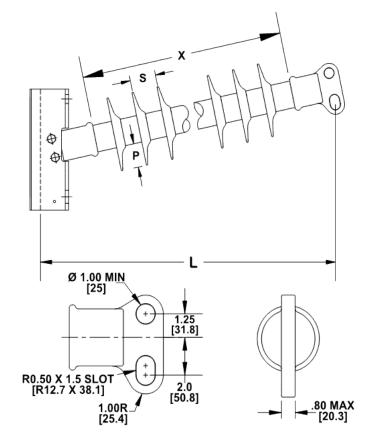


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H2 90 10 062 AX SS 024 MPS Catalog Number: Date: 04/11/2022 **End Fittings** Gain / 12 deg / Steel Tower End Fitting: Anchor / Ductile Iron 2 HL Drop Tongue / Galv. Ductile Iron Line End Fitting: **Material** Corona Ring (Tower): None Corona Ring (Line): None Corona Rings are recommended for applications of 230 kV and above Mounting Angle: 12 deg Number of Sheds: 24 2.5 in Rod Diameter: Weight Estimate: 81.8 lbs 37 kg **Dimensional Values** Section Length (L): 71.9 in 1,826 mm 62 in Rubber Length (X): 1,575 mm Shed spacing (S): 2.5 in 64 mm 2.4 in Shed Projection (P): 61 mm 64.9 in Dry Arc Distance: 1,648 mm 170 in Leakage Distance: 4,318 mm **Electricals Values** 60 Hz dry Flashover (Min. Withstand): 603 kV 566 kV 554 kV 60 Hz Wet Flashover (Min. Withstand): 444 kV CIFO Positive (Min. Withstand): 1054 kV 932 kV CIFO Negative (Min. Withstand): 1092 kV 978 kV **Mechanical Values** 5.5 kN Max. Design Cant. Load (MDCL): 1.238 lbs Specified Cant. Load (SCL): 2,476 lbs 11.0 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.

Notes:



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MPS Catalog Number

S1 40 80 062 MA AL 040

Date: 04/11/2022

		Date.	0-7,117	2022
End Fittings				
Tower End Fitting:	Υ	/-Clevis /	Forged	Steel
Line End Fitting:		Ball /	Forged	
			/ (ANSI	52-5)
Material				
Corona Ring (Line):		8'	' Corona	Ring
Corona Rings are recommended for applications	of 230 kV ar	nd above		
Number of Sheds:	19 large		21 star	ıdard
Rod Diameter:			16	mm
Weight Estimate:	14.8	lbs	7	kg
Dimensional Values				
Section Length (L):	73.5	in	1,867	mm
Rubber Length (X):	62	in	1,575	mm
Standard Shed Height (P1):	1.5	in	38	mm
Large Shed Height (P2):	2	in	51	mm
Projection Ration (S/P):		-	1.5	
Shed Spacing (S):	3	in	76	mm
Dry Arc Distance:	61.1	in	1,552	mm
Leakage Distance:	180.7	in	4,590	mm
Electricals Values				
60 Hz dry Flashover (Min. Withstand):	596	kV	546	kV
60 Hz Wet Flashover (Min. Withstand):	525	kV	457	kV
CIFO Positive (Min. Withstand):	1,009	kV	886	kV
CIFO Negative (Min. Withstand):	1,062	kV	938	kV
Mechanical 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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[19] 6.57 [167] 5.07 [129]

Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance.

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

Notes: Prepared By: Stephen Lucci

