

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

Braced Post Insulator Assembly B2911061T12074MA

1) H2 91 10 050 MX SS 026	[1]
2) S1 40 80 048 MA AL 031	[1]
3) Socket/Y-Clevis (SYC-56)	[1]
4) Turnbuckle (G-227-NBC-3/4x12C)	[1]
5) Shackle (ASH-55-BC)	[1]

ASSEMBLY DIMENSIONAL VALUES

Post Section Length (PSL)	61.0 in	1,549 mm
Suspension Section Length (SSL)	60.0 in	1,524 mm
Height of Assembly (H)	74.0 in	1,880 mm
Length of Brace (B)	93.7 in	2,380 mm
Upper Pole Connection Offset (A)*	2.0 in	51 mm
Angle Between Insulators (C)		51 Degrees
Dry Arc Distance	47.1 in	1,196 mm
Leakage Distance	137.9 in	3,503 mm

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

ASSEMBLY ELECTRICAL VALUES*

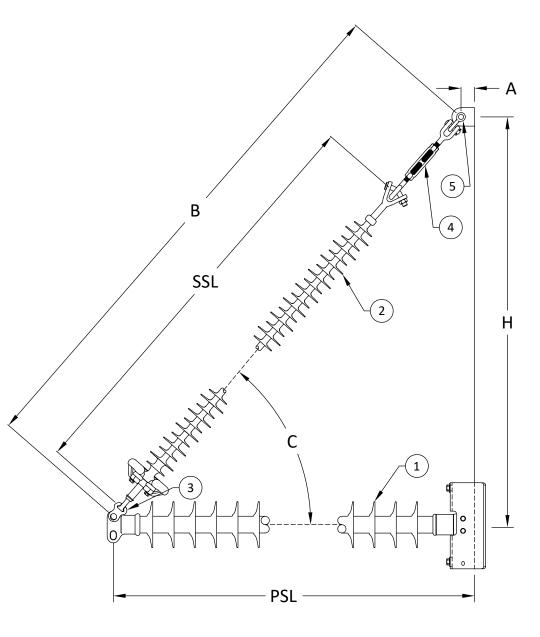
60 Hz Dry F.O. (Min. Withstand)	447 kV	(420) kV
60 Hz Wet F.O. (Min. Withstand)	414 kV	(327) kV
CIFO+ (Min. Withstand)	774 kV	(690) kV
CIFO- (Min. Withstand)	835 kV	(730) kV

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

ASSEMBLY MECHANICAL VALUES

Maximum Working Vertical Load 9,714 lbs 43.2 kN

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MPS Catalog Number

H2 91 10 050 MX SS 026

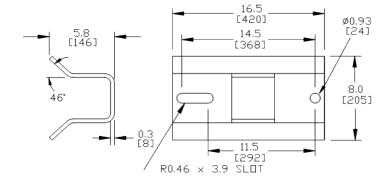
Date: 04/13/2022

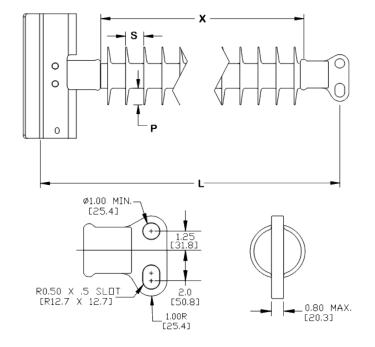
End Fittings Gain / O deg / Steel **Tower End Fitting:** 2 HL Drop Tongue / Galv. Ductile Iron Line End Fitting: Material Corona Ring (Line): None Corona Rings are recommended for applications of 230 kV and above Mounting Angle: 0 deg Number of Sheds: 26 Rod Diameter: 2.5 in Weight Estimate: 62.5 lbs 28 kg **Dimensional Values** Section Length (L): 1,549 mm 61 in Rubber Length (X): 50 in 1,270 mm Shed spacing (S): 1.95 in 50 mm Shed Projection (P): 1.86 in 47 mm 52.9 in Dry Arc Distance: 1,343 mm Leakage Distance: 137.9 in 3,503 mm **Electricals Values** 60 Hz dry Flashover (Min. Withstand): 498 kV 468 kV 60 Hz Wet Flashover (Min. Withstand): 461 kV 365 kV CIFO Positive (Min. Withstand): 866 kV 769 kV CIFO Negative (Min. Withstand): 912 kV 811 kV **Mechanical Values** Max. Design Cant. Load (MDCL): 1.494 lbs 6.6 kN Specified Cant. Load (SCL): 2,988 lbs 13.3 kN

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15,000 lbs

66.7 kN





Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance.

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

Notes:

Specified Tensile Load (STL):

Prepared By: Stephen Lucci



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MPS Catalog Number

S1 40 80 048 MA AL 031

Date: 04/01/2022

		Date.	0-7,017	2022
End Fittings				
Tower End Fitting:	١	/-Clevis /	Forged	Steel
Line End Fitting:			Forged	
			/ (ANSI	52-5)
Material				
Corona Ring (Line):			' Corona	Ring
Corona Rings are recommended for applications	of 230 kV ar	nd above		
Number of Sheds:	15 large		16 star	ndard
Rod Diameter:			16	mm
Weight Estimate:	12.9	lbs	6	kg
Dimensional Values				
Section Length (L):	60	in	1,524	mm
Rubber Length (X):	48	in	1,219	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:	48.1	in	1,222	mm
Leakage Distance:	140.1	in	3,559	mm
Electricals Values				
60 Hz dry Flashover (Min. Withstand):	472	kV	437	kV
60 Hz Wet Flashover (Min. Withstand):	422	kV	367	kV
CIFO Positive (Min. Withstand):	809	kV	703	kV
CIFO Negative (Min. Withstand):	857	kV	751	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]

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

