

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

Braced Post Insulator Assembly B2901060T12075MA

1) H2 90 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-3/4x6C)	[1]
5) Shackle (ASH-55-BC)	[1]

ASSEMBLY DIMENSIONAL VALUES

Post Section Length (PSL)	60.1 in	1,527 mm
Suspension Section Length (SSL)	60.0 in	1,524 mm
Height of Assembly (H)	75.0 in	1,905 mm
Length of Brace (B)	84.1 in	2,136 mm
Upper Pole Connection Offset (A)*	2.0 in	51 mm
Angle Between Insulators (C)		59 Degrees
Dry Arc Distance	47.7 in	1,212 mm
Leakage Distance	137.9 in	3,503 mm

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

ASSEMBLY ELECTRICAL VALUES*

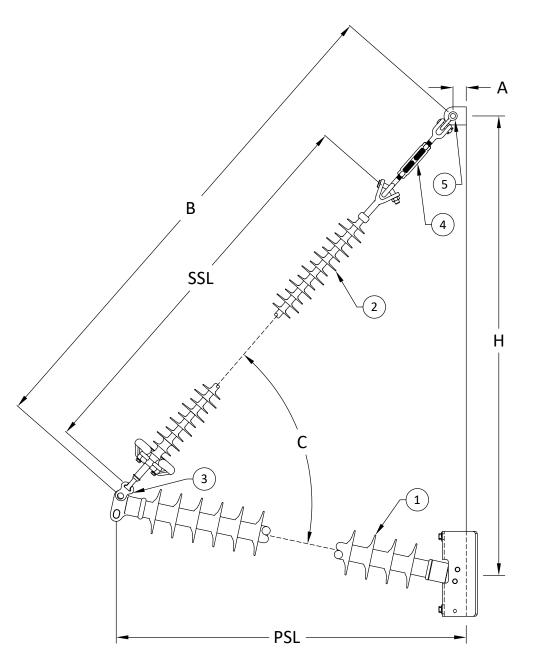
60 Hz Dry F.O. (Min. Withstand)	453 kV	(425) kV
60 Hz Wet F.O. (Min. Withstand)	419 kV	(331) kV
CIFO+ (Min. Withstand)	784 kV	(698) kV
CIFO- (Min. Withstand)	842 kV	(738) kV

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

ASSEMBLY MECHANICAL VALUES

Maximum Working	Vertical Load	10,949 lbs	48.7 kN

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

MPS Catalog Number

H2 90 10 050 MX SS 026

Date: 03/25/2022

Tower End Fittings

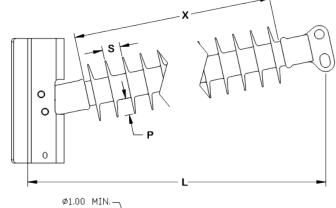
Gain / 12 deg / Steel

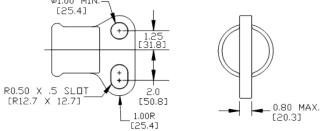
Line End Fitting: 2 HL Drop Tongue / Galv. Ductile Iron

Material				
Corona Ring (Line):				None
Corona Rings are recommended for applicati	ions of 230 kV a	and above		
Mounting Angle:			12	deg
Number of Sheds:			26	
Rod Diameter:			2.5	in
Weight Estimate:	62.4	lbs	28	kg
Dimensional Value	S			
Section Length (L):	60.1	in	1,527	mm
Rubber Length (X):	50	in	1,270	mm
Shed spacing (S):	1.95	in	50	mm
Shed Projection (P):	1.86	in	47	mm
Dry Arc Distance:	52.9	in	1,343	mm
Leakage Distance:	137.9	in	3,503	mm
Electricals Values	j			
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	3			
Max. Design Cant. Load (MDCL):	1,520	lbs	6.8	kN
Specified Cant. Load (SCL):	3,040	lbs	13.5	kN
Specified Tensile Load (STL):	15,000	lbs	66.7	kN

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14.0 [356] 12.0 [305] 12.0 [305] 8.0 [205] R0.46 × 1.5 SLDT [12 × 38]





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



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

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.

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Notes: Prepared By: Stephen Lucci

