

MPS Catalog Number:

S1 90 80 078 MA AL 051

Date:

01/24/2014

END FITTINGS

Tower End Fitting:

Eye (Forged Steel)

Line End Fitting:

Ball (Forged Steel) (ANSI 52-5)

MATERIAL

Corona Ring (Tower):

None

Corona Ring (Line):

8" Corona Ring

Corona Rings are recommended for applications of 230 kV and above

Number of Sheds:

25 large 26 standard

Rod Diameter:

16 mm

Weight Estimate:

16.6 lbs 7.5 kg

DIMENSIONAL VALUES

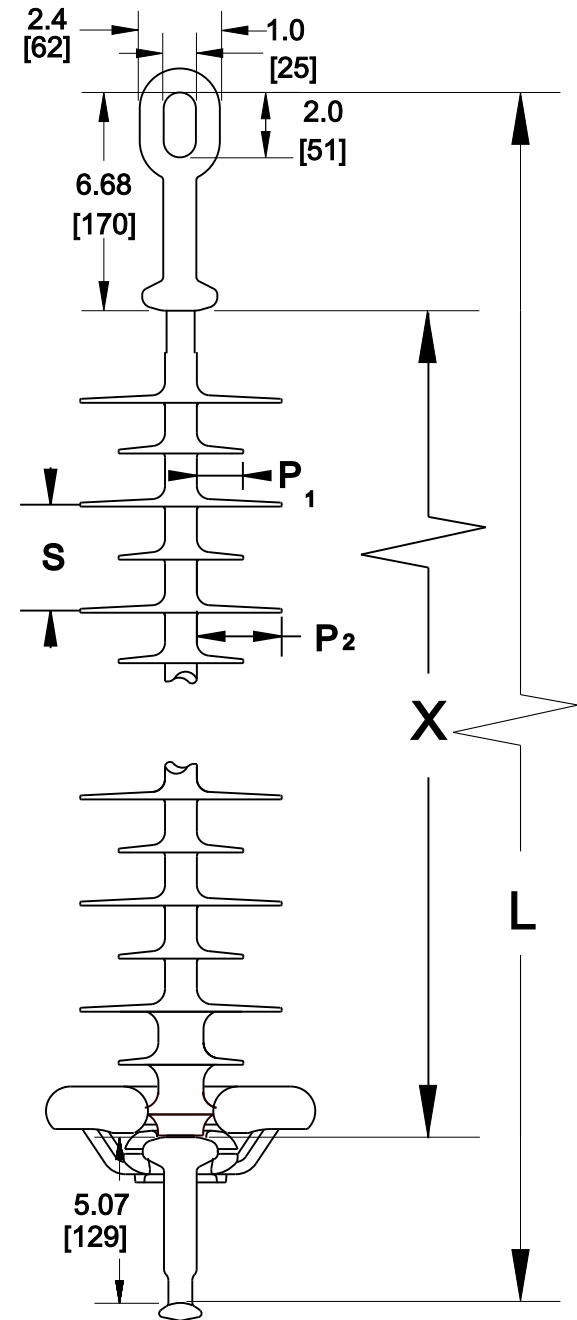
Section Length (L):	90 in	2,289 mm
Rubber Length (X):	78.3 in	1,989 mm
Standard Shed Height (P1):	1.5 in	38 mm
Large Shed Height (P2):	2 in	51 mm
Projection Ratio (S/P):	-	1.5
Shed Spacing (S):	3 in	76 mm
Dry Arc Distance:	78.1 in	1,984 mm
Leakage Distance:	231.6 in	5,883 mm

ELECTRICAL VALUES

60 Hz Dry Flashover:	758 kV	Min. Withstand:	686 kV
60 Hz Wet Flashover:	651 kV	Min. Withstand:	567 kV
Pos. Critical Impulse Flashover:	1,264 kV	Min. Withstand:	1,125 kV
Neg. Critical Impulse Flashover:	1,323 kV	Min. Withstand:	1,183 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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Dimensions: inches [millimeters]

Note: Drawing not actual depiction of insulator appearance

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