

MPS Catalog Number:

S1 90 80 066 MX AL 043

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):

None

Corona Rings are recommended for applications of 230 kV and above

Number of Sheds:

21 large 22 standard

Rod Diameter:

16 mm

Weight Estimate:

12.7 lbs 5.8 kg

DIMENSIONAL VALUES

Section Length (L):

78.2 in 1,986 mm

Rubber Length (X):

66.4 in 1,687 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:

68.7 in 1,745 mm

Leakage Distance:

195 in 4,953 mm

ELECTRICAL VALUES

60 Hz Dry Flashover:

669 kV Min. Withstand: 610 kV

60 Hz Wet Flashover:

583 kV Min. Withstand: 507 kV

Pos. Critical Impulse Flashover:

1,124 kV Min. Withstand: 993 kV

Neg. Critical Impulse Flashover:

1,180 kV Min. Withstand: 1,048 kV

MECHANICAL VALUES

Specified Mech. Load (SML):

25,000 lbs 111.2 kN

Routine Test Load (RTL):

12,500 lbs 55.6 kN

