

MPS Catalog Number:
Date:

S1 40 80 138 VB SS 040
09/05/2013

END FITTINGS

Tower End Fitting: Y-Clevis
Line End Fitting: Ball (ANSI 52-5)

MATERIAL

Corona Ring (Tower): None
Corona Ring (Line): 12" Corona Ring
Corona Rings are recommended for applications of 230 kV and above
Number of Sheds: 40 standard
Rod Diameter: 16 mm
Weight Estimate: 24.8 lbs 11.2 kg

DIMENSIONAL VALUES

Section Length (L): 149.2 in 3,790 mm
Rubber Length (X): 138 in 3,494 mm
Standard Shed Height (P): 2.1 in 54 mm
Shed Spacing (S): 3.63 in 92 mm
Dry Arc Distance: 137.7 in 3,498 mm
Leakage Distance: 291.5 in 7,404 mm

ELECTRICAL VALUES

60 Hz Dry Flashover: 1,242 kV Min. Withstand: 1,144 kV
60 Hz Wet Flashover: 1,062 kV Min. Withstand: 892 kV
Pos. Critical Impulse Flashover: 2,129 kV Min. Withstand: 1,902 kV
Neg. Critical Impulse Flashover: 2,198 kV Min. Withstand: 1,963 kV

MECHANICAL VALUES

Specified Mech. Load (SML): 25,000 lbs 111.2 kN
Routine Test Load (RTL): 12,500 lbs 55.6 kN

