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

APEX INSULATOR SYSTEMS

MPS Catalog Number **H2 9C 20 031 MX SS 016**

Date 7/14/2014

End Fittings

Tower End Fitting:	Gain / 12 deg / Ductile Iron 5" Bolt Circle / Galv. Ductile Iron
Line End Fitting	Trunnion / Galv. Ductile Iron

Material

Corona Ring (Line)	None

Corona Rings are recommended for applications of 230 kV and above

Mounting Angle	12
Number of Sheds	16
Rod Diameter	2.5 in
Weight Estimate 50.3 lbs	23 kg

Dimensional Values

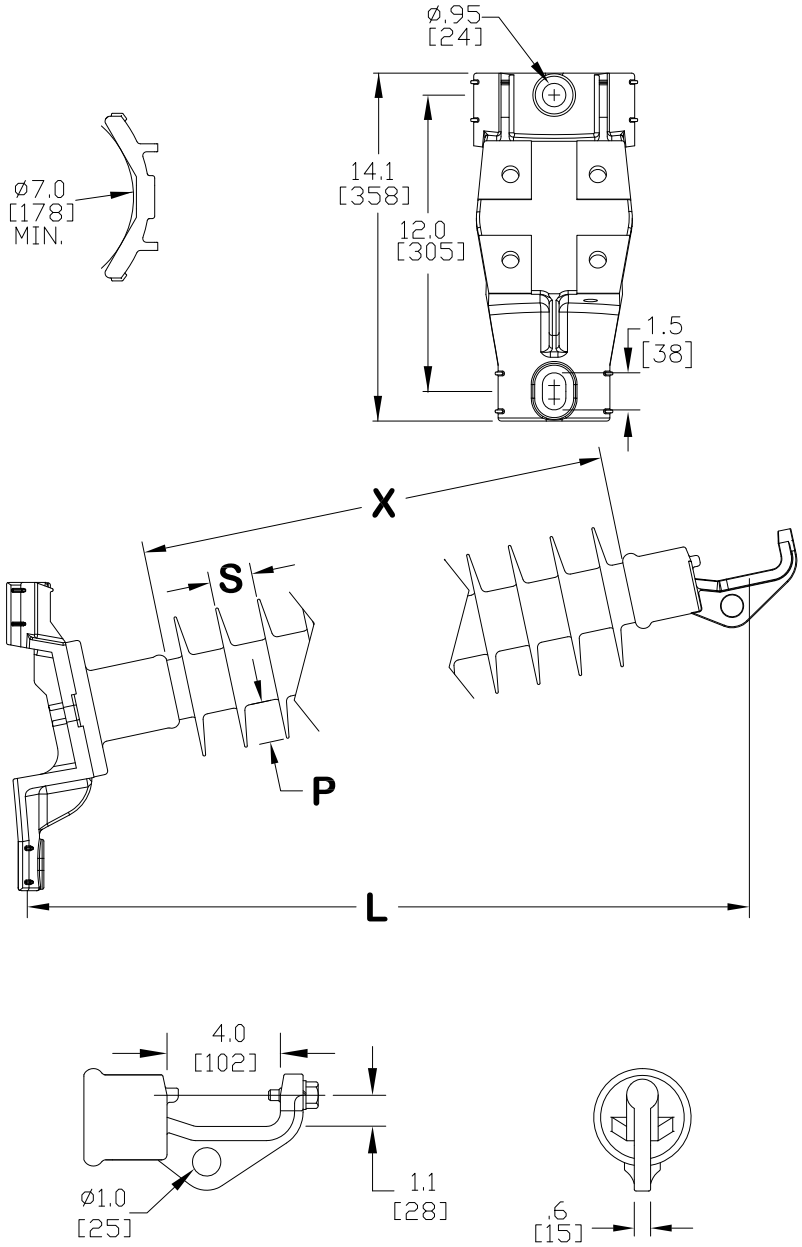
Section Length (L):	42.9 in	1090 mm
Rubber Length (X):	31 in	
Shed spacing (S):	2.0 in	50 mm
Shed Projection (P):	1.6 in	41 mm
Dry Arc Distance	33.4 in	848 mm
Leakage Distance	85.0 in	2158 mm

Electricals Values

60 Hz dry Flashover	325 kV	Min. Withstand	305 kV
60 Hz Wet Flashover	300 kV	Min. Withstand	233 kV
Pos. Critical Impulse Flashover	557 kV	Min. Withstand	498 kV
Neg. Critical Impulse Flashover	649 kV	Min. Withstand	534 kV

Mechanical Values

Max. Design Cant. Load (MDCL)	2,328 lbs	10.4 kN
Specified Cant. Load (SCL)	4,656 lbs	20.7 kN
Specified Tensile Load (STL)	5,000 lbs	22.2 kN



Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance

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