

Smart Catalog Numbers

The catalog number for an insulator is intended to identify the characteristics and critical performance criteria of the insulator in an easy to understand format, ideally with consistency across the entire insulator product family.

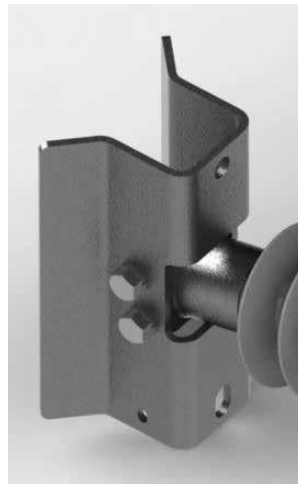
Line Post Smart Catalog Number

H2	90	10	045	V	X	SS	022																		
SML	Tower EF	Line EF	Rubber Length	Leakage	Corona Ring	Shed Pattern	Shed Count																		
<p>H = Horiz. V = Vert.</p> <p>0 = 1.5" 1 = 2.0" 2 = 2.5" 3 = 3.0" 4 = 3.5" 7 = 1.75"</p>	<p>1_ = Flat Base 3_ = 3" Bolt Circle 4_ = Stud Base 5_ = 5" Bolt Circle 6_ = Swivel Base 7_ = 7" Bolt circle 8_ = Anchor 9_ = Gain Base X0 = No EF</p>	<p>1_ = Drop Tongue 2_ = Trunion 3_ = 3" Bolt Circle 5_ = 5" Bolt Circle 6_ = Vert. Trunion 7_ = F-Neck C_ = Ext. Drop Tongue D_ = Double Trunion E_ = High Str. Bracket F_ = Vert. RAM Bracket H_ = Horiz. RAM Bracket X0 = No EF</p>	<p>Linear Disance EF to EF</p>	<p>V = Variable M = Molded</p>	<table border="1"> <thead> <tr> <th></th> <th>Tower</th> <th>Line</th> </tr> </thead> <tbody> <tr> <td>X = None</td> <td>None</td> <td>None</td> </tr> <tr> <td>A = None</td> <td>6"</td> <td>6"</td> </tr> <tr> <td>B = None</td> <td>12"</td> <td>12"</td> </tr> <tr> <td>C = None</td> <td>17"</td> <td>17"</td> </tr> <tr> <td>E = 12"</td> <td>12"</td> <td>12"</td> </tr> </tbody> </table>		Tower	Line	X = None	None	None	A = None	6"	6"	B = None	12"	12"	C = None	17"	17"	E = 12"	12"	12"	<p>SS = Standard AL = Standard Alt. XG = Shed Profile XH = Shed Profile XV = Shed Profile</p>	
	Tower	Line																							
X = None	None	None																							
A = None	6"	6"																							
B = None	12"	12"																							
C = None	17"	17"																							
E = 12"	12"	12"																							
				<p>V = Variable Leakage Modular / Extruded MFG</p>		<p>M = Molded Leakage Injection Molded MFG</p>																			

Bases



Fixed Gain - H2 9C



Bendable Gain - H2 90



Bendable Flat - H2 10



5" Bolt Circle - H2 50

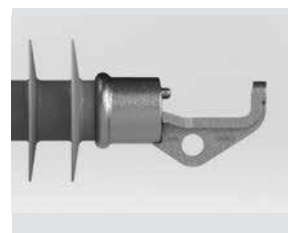
End Fittings



Drop Tongue H2-XX-10



Extended Drop Tongue H2-XX-C0



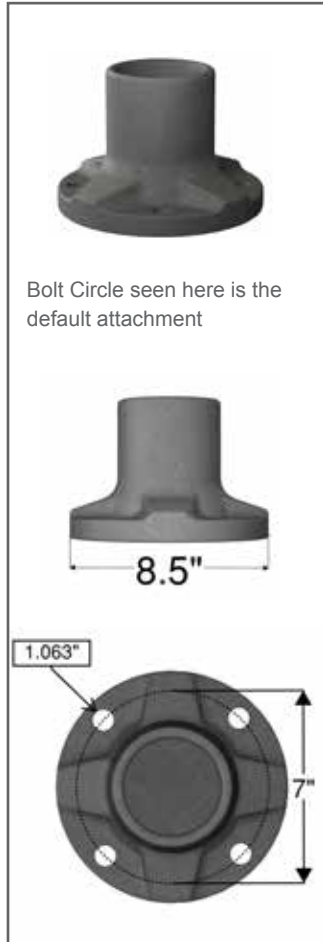
Horizontal Trunion H2-XX-20



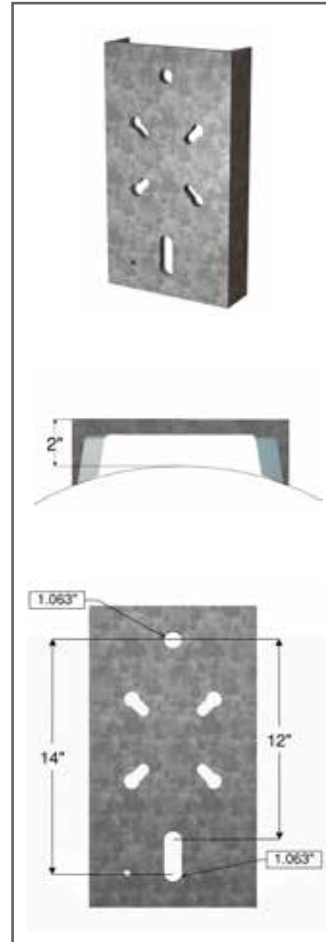
Vertical Trunion V2-XX-60

Structural Attachment Options

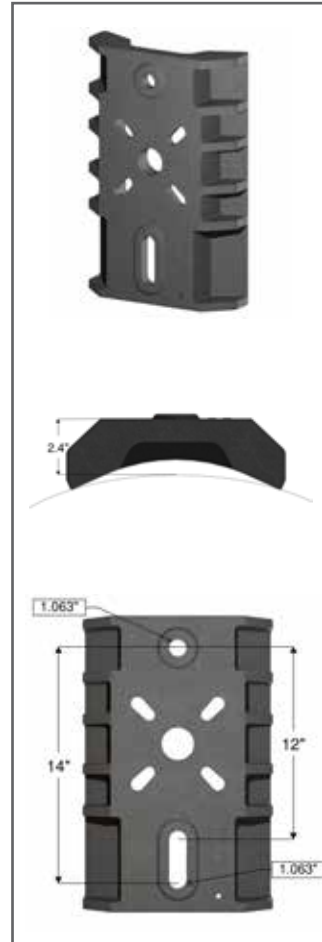
7" Bolt Circle
B470



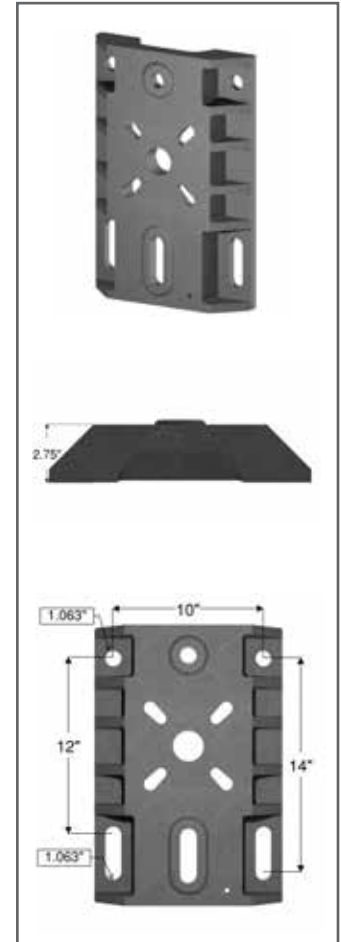
Gain Base Steel
B47N / B35N



Gain Base Cast
B497 / B395

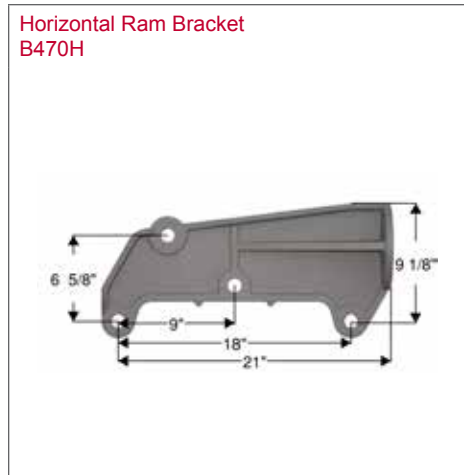


Flat Base Cast
B417 / B31H

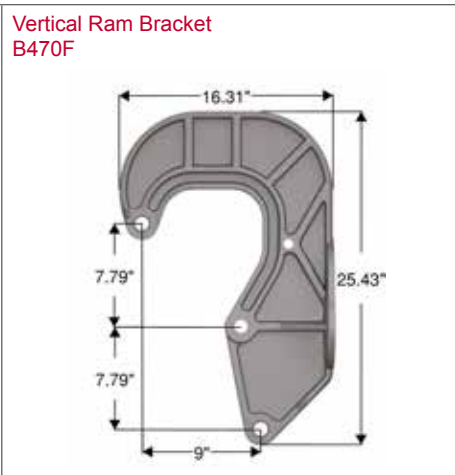


345 kV Line Hardware

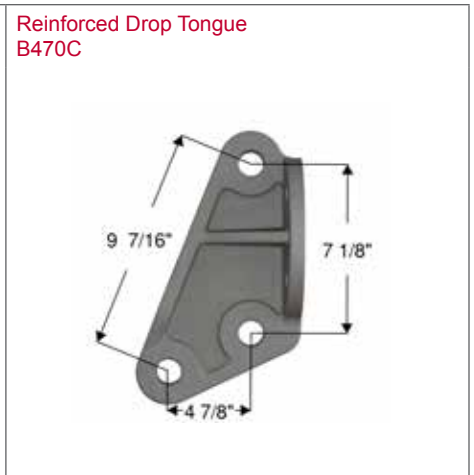
Horizontal Ram Bracket
B470H



Vertical Ram Bracket
B470F



Reinforced Drop Tongue
B470C



Note: Contact MacLean Power Systems for any additional design options.

Line Post Insulators

Corona Rings



High voltages can result in unwanted noise (RIV) and corona. To minimize the effects of corona, corona rings are applied to one or both ends of the insulator (attached onto the end fittings). Typically, for system voltages 230 kV and above, a corona ring or combination of rings is necessary. However, some applications may require rings at lower system voltages. Refer to the Corona Ring section of the Application Guide for detailed information or contact the factory.

Recommended Corona Ring Applications

Class	End Fitting	138 kV	161 kV	230 kV	345 kV	500 kV
2 - 2.50"	Line End	None	None	6"	12"	12"
	Tower End	None	None	None	None	17"
3 - 3.50"	Line End	None	None	None	12"	12"
	Tower End	None	None	None	None	12"



6" Corona Ring



12" Corona Ring

For insulators 230 kV and above, MPS recommends use of Corona Rings. The Application Table above depicts typical coronaring usage on MPS suspension Insulators. For corona ring usage on special applications, environments, and elevations, please contact MPS.