



**139.7 mm    34.23 kg/m    MS P110**

## EVRlock EB Enhanced Buttress

Mild Sour P110 Electric-welded

### Pipe Body Geometry

Outside Diameter	<b>139.70</b> mm	Inside Diameter	<b>118.62</b> mm
Wall Thickness	<b>10.54</b> mm	Standard Drift Diameter	<b>115.44</b> mm
Nominal Linear Mass (T&C)	<b>34.05</b> kg/m	Alternative Drift Diameter	<b>#N/A</b> mm
Plain End Weight	<b>33.57</b> kg/m		

### Pipe Body Performance

Grade	<b>MS P110</b>	Collapse Resistance [1]	<b>100.2</b> MPa
Yield Strength Minimum	<b>758</b> MPa	Internal Yield (Burst) [2]	<b>108.7</b> MPa
Tensile Strength Minimum	<b>862</b> MPa		
Body Yield Strength	<b>3,243</b> kN		

### Connection Geometry

Connection	<b>EVRlock EB</b>		
Coupling Outside Diameter	<b>160.02</b> mm		
Coupling Length	<b>232.41</b> mm		
Connection ID Type	<b>Flush</b>		
Make-up Loss [3]	<b>114.94</b> mm		

### Connection Performance

Connection	<b>EVRlock EB</b>		
T&C Joint Strength	<b>3,688</b> kN		
Joint Efficiency	<b>100</b> %		
Internal Pressure	<b>108.7</b> MPa		
Make-up Torque [4]	Optimum	<b>16,250</b> N m	
	Minimum	<b>13,500</b> N m	
	Maximum	<b>20,250</b> N m	
Plastic Torque [5]	Maximum	<b>28,200</b> N m	

### Notes

[1] Calculated based on equations from API TR 5C3 section 8.4.

[2] The internal yield (Burst) is calculated using API TR 5C3 Equation (10) using 95% RBW.

[3] Make-up loss is calculated as end of pin to plane of first contact with triangle stamp.

[4] Make-up Torque is established through physical make-and-breaks of biased tolerance test pups.

[5] Plastic torque is determined through torque to failure testing of physical samples manufactured to biased tolerances.

[6] This datasheet is only valid for the specified OD, Weight and Grade.

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