

EVRlock EB Enhanced Buttress
Mild Sour P110 Electric-welded
Pipe Body Geometry

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

Pipe Body Performance

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

Connection Geometry

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

Connection Performance

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