EVRAZ 193.68 mm 44.2 kg/m HC L80

95% RBW **High Collapse L80 Electric-welded**

Pipe Body Geometry

Outside Diameter	**193.68**	mm	Inside Diameter	**174.62**	mm
Wall Thickness	**9.53**	mm	Standard Drift Diameter	**171.45**	mm
Nominal Linear Mass (T&C)	**44.20**	kg/m	Alternative Drift Diameter	**#N/A**	mm
Plain End Weight	**43.28**	kg/m			

Pipe Body Performance

Grade	**HC L80**		Collapse Resistance [1]	**39.9**	MPa
Yield Strength Minimum	**552**	MPa	Internal Yield (Burst) [2]	**51.6**	MPa
Tensile Strength Minimum	**655**	MPa			
Body Yield Strength	**3,038**	kN			

Connection Geometry

Connection	**BC with SCC**	
Coupling Outside Diameter	**206.38**	mm
Coupling Length	**263.53**	mm
Connection ID Type	**Non-flush**	
Make-up Loss [3]	**119.06**	mm
API Compatible	**Yes**	

Connection Performance

Connection		**BC with SCC**	
T&C Joint Strength		**3,207**	kN
Joint Efficiency		**88.9**	%
Internal Pressure		**45.2**	MPa
Make-up Torque [4]	Optimum	**14,950**	N m
	Minimum	**11,190**	N m
	Maximum	**18,710**	N m

Notes

[1] Collapse strength determined by a combination of 8 x OD collapse testing, manufacturing controls and predictive modeling.
[2] The internal yield (Burst) is calculated using API TR 5C3 Equation (10) using 95% RBW.
[3] For SC and LC, make-up loss is defined as the end of pipe to thread vanish point (API 5B Tables 1 & 4, L4). For BC, it is defined as the end of pipe to base of triangle stamp (API 5B Table 5, A1)
[4] For BC, data is taken from API 5TP, based on utilizing API Modified Thread Compounds assuming phosphate couplings. If other thread compounds are utilized, the torque correction factor noted by the compound manufacturer shall be considered. For BC with SCC, the torque values are estimates and the reduced OD may impact the final torque at position. Torque must be verified by triangle position for BC and BC with SCC.

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