

## Heavy Wall/Light Wall Compatibility - USC

Premium and semi-premium connections are typically designed with one geometry per diameter of casing. As a result, as casing wall thickness increases, a connection's pipe body efficiency (PBE) decreases until at some point, it becomes less than 100% PBE.

In order to ensure that EVRlock QB2 & QB1 HT connections maintain greater than 100% PBE for all weights per diameter of casing, Heavy Wall (HW) variants of the connection were made with changes to the design of the connection. As a result, HW variants are not compatible with legacy EVRlock QB2 & QB1-HT connections and would require a cross-over in order to connect mixed strings. Tables 1 and 2 show the demarcation of legacy and HW QB2 & QB1-HT.

**Update:** If you are utilizing QB1-HT and/or QB2 inventory produced 2018 or earlier, please contact EVRAZ NA to confirm that any new production will be compatible. For a quick response, please have the EVRAZ C/O ready as well as confirm the coupling length/make-up loss.

For any questions, please contact EVRAZ NA for more information.

**Table 1, Weight Demarcation of the EVRlock QB2 and QB1-HT in USC**

OD (in)	Weight Demarcation (lbs/ft)									
4.5	11.6	13.5	15.1							
5.5		15.5	17	20	23					
7			20	23	26	29	32			
8.625				28	32	36	40			
9.625					36	40	43.5	47		

\*Green to green or red to red is compatible. Green to red is not compatible.

\*\*Smaller or greater weights may exist for each diameter, however, the demarcation will still apply

**Table 2, Weight Compatibility of the EVRlock QB2 and QB1 HT in USC**

OD (in)	Compatible Weights (lbs/ft)			Crossover Required	Compatible Weights (lbs/ft)	
4 1/2		11.6			13.5	15.1
5 1/2		15.5	17		20	23
7	20	23	26		29	32
8 5/8		28	32		36	40
9 5/8		36	40		43.5	47



# Technical Bulletin

EVRlock QB2 & QB1 HT

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