

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 is USC

OD (in)	Compatible Weights (lbs/ft)				Compatible Weights (lbs/ft)	
4 1/2			11.6	Crossover Required	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

EVRIlock QB2 & QB1 HT

PC-REP-005