

## Heavy Wall/Light Wall Compatibility - Metric

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 Metric**

OD (mm)	Weight Demarcation (kg/m)									
114.3	17.3	20.1	22.5							
139.7		23.1	25.3	29.8	34.2					
177.8				29.8	34.2	38.7	43.2	47.6		
219.1							41.7	47.6	53.6	59.5
244.5									53.6	59.5
									64.7	69.9

\*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 Metric**

OD (mm)	Compatible Weights (kg/m)			Crossover Required	Compatible Weights (kg/m)	
114.3			17.3		20.1	22.5
139.7		23.1	25.3		29.8	34.2
177.8	29.8	34.2	38.7		43.2	47.6
219.1		41.7	47.6		53.6	59.5
244.5		53.6	59.5		64.7	69.9



# Technical Bulletin

EVRlock QB2 & QB1 HT

PC-REP-005