

The EVRlock QB1-HT Semi-Premium Connection was developed specifically for use in applications where high torque and high strength are a priority. Utilizing the same proven thread form as the EVRlock QB2 Premium Connection, EVRlock QB1-HT replaces the metal-to-metal radial seal with an axial shoulder to provide a connection with improved torque capacity and runnability. With engineered design features that provide the ability to rotate while cementing and eliminate the need for torque turn monitoring, EVRlock QB1-HT also reduces well costs.

PERFORMANCE PROPERTIES (USC)

OUTSIDE DIAMETER:	4 1/2"			5 1/2"		7"		8 5/8"		9 5/8"		10 3/4"		
Physical Properties														
T&C Nom Wt (lb/ft)	11.6	13.5	15.1	17.0	20.0	23.0	26.0	28.0	32.0	36.0	40.0	40.5	45.5	51.0
Wall Thickness (in.)	0.250	0.290	0.337	0.304	0.361	0.317	0.362	0.304	0.352	0.352	0.395	0.350	0.400	0.450
Inside Diameter (in.)	4.000	3.920	3.826	4.892	4.778	6.366	6.276	8.017	7.921	8.921	8.835	10.050	9.950	9.850
API Std Drift (in.)	3.875	3.795	3.701	4.767	4.653	6.241	6.151	7.892	7.796	8.765	8.679	9.894	9.794	9.694
Coupling OD (in.)	5.000	5.000	5.000	6.050	6.050	7.656	7.656	9.625	9.625	10.625	10.625	11.750	11.750	11.750
Coupling Length (in.)	6.430	6.430	6.430	7.030	7.030	7.630	7.630	7.630	7.630	8.030	8.030	8.030	8.030	8.030
Make-up Loss (in.)	2.915	2.915	2.915	3.215	3.215	3.515	3.515	3.515	3.515	3.715	3.715	3.715	3.715	3.715
Mechanical Properties														
Collapse (PSI)														
J55/K55	4,960	-	-	4,910	6,620	3,270	4,330	1,880	2,530	2,020	2,570	1,580	2,090	2,700
L80	6,350	8,540	11,080	6,290	8,830	3,830	5,410	2,160	3,040	2,370	3,090	1,730	2,470	3,220
P110	7,580	10,690	14,340	7,480	11,100	4,430	6,230	2,210	3,420	2,470	3,470	1,730	2,610	3,660
HCP110	8,650	11,600	15,830	8,580	12,080	5,650	7,800	-	-	-	3,530	-	-	-
Burst (PSI)														
J55/K55	5,350	-	-	5,320	6,320	4,360	4,980	3,390	3,930	3,520	3,950	3,130	3,580	4,030
L80	7,780	9,020	10,480	7,740	9,190	6,340	7,240	4,930	5,710	5,120	5,750	4,560	5,210	5,860
P110/HCP110	10,690	12,410	13,470	10,640	12,640	8,720	9,960	6,780	7,860	7,040	7,900	6,270	7,160	8,060
Joint Strength (kip)														
UTS														
J55	250	-	-	372	406	499	632	596	686	769	859	858	975	1,092
K55	317	-	-	471	514	632	800	755	869	974	1,088	1,086	1,236	1,383
L80	317	364	366	471	514	632	800	755	869	974	1,088	1,086	1,236	1,383
P110	417	480	481	620	676	832	1,053	993	1,144	1,282	1,432	1,429	1,626	1,820
YS														
J55/K55	184	-	-	273	297	366	415	437	503	564	630	629	715	801
L80	267	307	308	397	433	532	604	636	732	820	916	915	1,040	1,165
P110	367	422	424	546	595	732	830	874	1,006	1,128	1,260	1,258	1,431	1,602
Make-up Torque* (ft.lb)														
J55 Window														
Optimal	4,000	5,000	5,000	8,000	8,500	10,000	16,500	10,500	11,500	12,000	12,000	13,000	13,000	13,000
(+/-)	600	750	750	1,200	1,275	1,500	2,475	1,575	1,725	1,800	1,800	1,950	1,950	1,950
Yield	7,100	-	-	-	-	-	22,000	-	-	-	-	-	-	-
K55 Window														
Optimal	4,000	5,000	5,000	8,000	8,500	10,000	16,500	10,500	11,500	12,000	12,000	13,000	13,000	13,000
(+/-)	600	750	750	1,200	1,275	1,500	2,475	1,575	1,725	1,800	1,800	1,950	1,950	1,950
Yield	6,250	-	-	-	-	-	22,000	-	-	-	-	-	-	-
L80 Window														
Optimal	4,500	5,000	6,750	9,000	8,500	11,000	16,500	15,500	11,500	12,000	21,500	13,000	13,000	13,000
(+/-)	675	750	1,000	1,350	1,275	1,650	2,475	2,325	1,725	1,800	3,225	1,950	1,950	1,950
Yield	7,800	10,200	11,600	15,500	17,800	18,900	28,000	25,800	29,600	33,600	36,400	34,000	39,000	45,000
P110 Window														
Optimal	6,000	5,000	7,000	9,000	8,500	10,000	10,000	10,500	11,500	12,000	12,000	13,000	13,000	13,000
(+/-)	900	750	1,000	1,350	1,275	1,500	1,500	1,575	1,725	1,800	1,800	1,950	1,950	1,950
Yield	10,200	11,200	11,800	14,100	15,600	-	-	-	-	-	-	-	-	-

*Yield torque data represent absolute limits. Bolded torque values have been verified by field trials.

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