EVRlock

lock into the connection that's designed to last

QB1-HT

Semi-Premium Connection

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 (metric)

OUTSIDE DIAMETER:	114.30mm			139.70mm		177.80mm		219.08mm		244.48mm		273.05mm		
Physical Properities														
T&C Nom Wt (kg/m)	17.30	20.10	22.50	25.30	29.80	34.20	38.70	41.70	47.60	53.60	59.50	60.30	67.70	75.90
Wall Thickness (mm)	6.35	7.37	8.56	7.72	9.17	8.05	9.19	7.72	8.94	8.94	10.03	8.89	10.16	11.43
Inside Diameter (mm)	101.60	99.56	97.18	124.26	121.36	161.70	159.42	203.64	201.20	226.50	224.40	255.30	252.70	250.20
API Std Drift (mm)	98.42	96.38	94.00	121.08	118.18	158.52	156.24	200.46	198.02	222.63	220.45	251.31	248.77	246.23
Coupling OD (mm)	127.00	127.00	127.00	153.67	153.67	194.46	194.46	244.48	244.48	269.88	269.88	298.45	298.45	298.45
Coupling Length (mm)	163.32	163.32	163.32	178.56	178.56	193.80	193.80	193.80	193.80	203.96	203.96	203.96	203.96	203.96
Make-up Loss (mm)	74.04	74.04	74.04	81.66	81.66	89.28	89.28	89.28	89.28	94.36	94.36	94.36	94.36	94.36
Mechanical Properities														
Collapse (kPa)														
J55/K55	34,200	-	-	33,900	45,600	22,500	29,900	13,000	17,400	13,900	17,700	10,900	14,400	18,600
L80	43,800	58,900	76,400	43,400	60,900	26,400	37,300	14,900	21,000	16,300	21,300	11,900	17,000	22,200
P110	52,300	73,700	98,900	51,600	76,500	30,500	43,000	15,200	23,600	17,000	23,900	11,900	18,000	25,200
HCP110	59,600	80,000	109,100	59,200	83,300	39,000	53,800	-	-	-	24,300	-	-	-
Burst (kPa)														
J55/K55	36,900	-	-	36,700	43,600	30,100	34,300	23,400	27,100	24,300	27,200	21,600	24,700	27,800
L80	53,600	62,200	72,300	53,400	63,400	43,700	49,900	34,000	39,400	35,300	39,600	31,400	35,900	40,400
P110/HCP110	73,700	85,600	92,900	73,400	87,100	60,100	68,700	46,700	54,200	48,500	54,500	43,200	49,400	55,600
Joint Strength (daN)														
UTS														
J55	111,200	-	-	165,500	180,600	222,000	281,100	265,100	305,100	342,100	382,100	381,700	433,700	485,700
K55	141,000	-	-	209,500	228,600	281,100	355,900	335,800	386,600	433,300	484,000	483,100	549,800	615,200
L80	141,000	161,900	162,800	209,500	228,600	281,100	355,900	335,800	386,600	433,300	484,000	483,100	549,800	615,200
P110	185,500	213,500	214,000	275,800	300,700	370,100	468,400	441,700	508,900	570,300	637,000	635,700	723,300	809,600
YS														
J55/K55	81,800	-	-	121,400	132,100	162,800	184,600	194,400	223,700	250,900	280,200	279,800	318,000	356,300
L80	118,800	136,600	137,000	176,600	192,600	236,600	268,700	282,900	325,600	364,800	407,500	407,000	462,600	518,200
P110	163,200	187,700	188,600	242,900	264,700	325,600	369,200	388,800	447,500	501,800	560,500	559,600	636,500	712,600
Make-up Torque* (N·m)														
J55 Window														
Optimal	**5,400**	6,800	6,800	10,800	11,500	13,600	**22,400**	14,200	15,600	16,300	16,300	17,600	17,600	17,600
(+/-)	**800**	1,000	1,000	1,600	1,700	2,000	**3,400**	2,100	2,300	2,400	2,400	2,600	2,600	2,600
Yield	**9,600**	-	-	-	-	-	**29,800**	-	-	-	-	-	-	-
K55 Window														
Optimal	5,400	6,800	6,800	10,800	11,500	13,600	**22,400**	14,200	15,600	16,300	16,300	17,600	17,600	17,600
(+/-)	800	1,000	1,000	1,600	1,700	2,000	**3,400**	2,100	2,300	2,400	2,400	2,600	2,600	2,600
Yield	8,500	-	-	-	-	-	**29,800**	-	-	-	-	-	-	-
L80 Window														
Optimal	**6,100**	6,800	**9,200**	**12,200**	11,500	**14,900**	**22,400**	**21,000**	15,600	16,300	**29,200**	17,600	17,600	17,600
(+/-)	**900**	1,000	**1,400**	**1,800**	1,700	**2,200**	**3,400**	**3,200**	2,300	2,400	**4,400**	2,600	2,600	2,600
Yield	**10,600**	13,800	**15,700**	**21,000**	24,100	**25,600**	**38,000**	**35,000**	40,100	45,600	**49,400**	46,100	52,900	61,000
P110 Window														
Optimal	**8,100**	6,800	**9,500**	**12,200**	11,500	13,600	13,600	14,200	15,600	16,300	16,300	17,600	17,600	17,600
(+/-)	1,200	1,000	**1,400**	**1,800**	1,700	2,000	2,000	2,100	2,300	2,400	2,400	2,600	2,600	2,600
Yield	**13,800**	15,200	**16,000**	**19,100**	21,200	-	-	-	-	-	-	-	-	-

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

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