

Cameron 18-3/4" 15M TL BOP

Size (in)	Weight. (ppf)	Grade	Minimum Yield (psi)	I.D. (in)	Wall (in)	Shear Pressure (psi) @ Ambient		Shear Pressure (psi) @ 5000psi Wellbore		Shear Pressure (psi) @ 10,000psi Wellbore	
						18" Piston with Shear Blind Rams	28" Piston with Casing Shear Rams	18" Piston with Shear Blind Rams	28" Piston with Casing Shear Rams	18" Piston with Shear Blind Rams	28" Piston with Casing Shear Rams
Casing											
13.375	68	L80	80000	12.415	0.480	1715	2005	3165	3912	4578	2295
9.625	47	L80	80000	8.681	0.472	3084	1487	3831	4578	1777	1777
7	29	L80	80000	6.184	0.408	1920	745	2667	1035	3414	1325
Drill String											
3.5	12.95	S135	135000	2.750	0.375	1412	548	2159	838	2905	1128
3.5	13.3	S135	135000	2.764	0.368	1388	539	2135	829	2882	1119
3.5	25.3	HWDP	55000	2.062	0.719	381	671	2228	671	3575	961
5	19.5	S135	135000	4.276	0.362	2022	785	2769	1075	3516	1365
5	49.3	HWDP	55000	3.000	1.000	1913	762	3710	1052	3527	1342
6.625	40.9	S135	135000	5.345	0.640	4614	1791	5851	2081	5219	2371
6.625	70.5	HWDP	55000	4.500	1.063	3902	1126	3943	1416	4892	1706
Drill Collars											
4.75	50	Drill Collar	110000	2.000	1.375	573	1768	833	2058	700	2348
6.5	91	Drill Collar	110000	2.813	1.844	856	3271	876	3541	503	3054
8	150	Drill Collar	100000	2.813	2.594	903	4887	853	5147	503	4887
9.5	216	Drill Collar	100000	3.000	3.250	864	7811	804	7326	503	7811

Note 1: Shear pressures in GREEN are within 5000psi operating system limitation and the geometry of the ram.

Note 2: Shear pressures in RED are outside the operating system capacity and/or the geometry of the ram.

Note 3: All shear pressures listed are calculated values. Actual shear pressures may differ due to variations in tubular mechanical properties, age or condition of tubular, and condition of ram blades.

Note 4: Calculated pressures in excess of 2700 psi should be verified by an actual shear test.

Above information is relative to Transocean's Deepwater Horizon MODU..htb 6/17/2005

