

## Drill Collar Buoyancy Factor

Mud Weight (lbs/gal)	Mud Weight (kgf/l)	Buoyancy Factor
8.5	1.02	0.870
9.0	1.08	0.862
9.5	1.14	0.855
10.0	1.20	0.847
10.5	1.26	0.839
11.0	1.32	0.832
11.5	1.38	0.824
12.0	1.44	0.816
12.5	1.50	0.809
13.0	1.56	0.801
13.5	1.62	0.793
14.0	1.68	0.786
14.5	1.74	0.778
15.0	1.80	0.771
15.5	1.86	0.763
16.0	1.92	0.755
16.5	1.98	0.748
17.0	2.04	0.740
17.5	2.10	0.732
18.0	2.16	0.725

**Example:**

$$BF = 1 - ((MW1)/65.37)$$

BF = Buoyancy Factor

MW1 = Mud Weight (lbs/gal)

$$BF = 1 - ((MW2)/7.83)$$

BF = Buoyancy Factor

MW2 = Mud Weight (kgf/l)

**Note:** lb/gal x .11983 = kgf/l