

Drilling Tools - Data Performance Sheet

Drill Collar - Slick

Drill Collar Size	OD 3.75"x ID 1.5"
Connection	2 3/8 IF

Drill collar configuration

OD (in)	3 3/4
Wall thickness (in)	1.125
ID (in)	1.5000
Approx. Length (ft)	30.7
Min Yield strength (Psi)	110 000
BSR	3.181

Connection performance

As per API 7G.max make up torque is min. make up torque plus 10%

Torsional Strength (ft-lbs)	9 110
Max Recommended Make up Torque (ft-lbs)	5 466
Min Recommended Make up Torque (ft-lbs)	5 011
Tensile strength (lbs)	380 300
Balanced OD	3.507

Drill collar properties

Adjusted weight(lbs/ft)	31.60
Fluid displacement(gal/ft)	0.482
Fluid capacity(gal/ft)	0.092
Drift size(in)	1.374

Drill collar body properties

Cross sectional area pipe body(in ²)	9.28
Cross sectional area OD(in ²)	11.045
Cross sectional area ID(in ²)	1.767
Section modulus (in ³)	5.045
Polar section modulus (in ³)	10.089
Moment of inertia drill collar body (in ⁴)	9.46
Polar moment of inertia drill collar body (in ⁴)	18.92

