

# Drill Collar Data & Performance Sheet

## 10" x 3" Spiral DC with 7-5/8 Reg

### TUBE BODY DATA

Tube OD	10.000	in.
Wall Thickness	3.500	in.
Tube ID	3.000	in.
Material Grade	100,000	psi.
Tensile Yield Strength	5,224,125	lbs.
Torsional Yield Strength	644,015	ft-lbs.
Tube Burst	52,993	psi.
Tube Collapse	42,224	psi.

### CONNECTION DATA

Connection	7-5/8 REG
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### CONNECTION PERFORMANCE

Make Up Torque (API)	97,500	ft-lbs. (1.0 FF)
	112,125	ft-lbs. (1.15 FF)
Connection Tensile Yield	2,629,800	lbs.
Connection Torsional Yield	141,500	ft-lbs.

### ENGINEERING DATA

Approximate Length	30	ft.		
Drift Diameter	2.875	in.		
Adj. Weight	242.97	lbs. / ft.		
Displacement	3.7128	gal. / ft.	0.0884	bbls. / ft.
Capacity	0.3672	gal. / ft.	0.0087	bbls. / ft.
BSR	3.375			

### Notes:

- Ensure sufficient MUT is applied to the connection. Stick and slip is very damaging to connections and can induce higher-than-planned torque. Adjust MUT according to thread compound friction factor. Higher MUT values may be used under extreme conditions and is recommended when downhole torque and/or backoff is a concern.
- Dimensions, wall thickness, and lengths shown above are nominal. Figures may exclude the effects of wear, stress relief, boreback, ID chamfers, and/or spiral features.

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