



## GULF ENGINEERING SERVICES LTD. DRILL COLLAR PERFORMANCE SHEET

Size: 9.500" x 3.000"  
Type: Spiral  
MYS (ksi): 120  
Tool Joint: 9.500" x 3.000" 7 5/8" API Reg

### DRILL COLLAR BODY:

	Nominal 100% RBW
OD (in):	9.500
Wall Thickness (in):	3.250
Nominal ID (in):	3.000

### DRILL COLLAR ASSEMBLY:

Approximate Length (ft):	31.5
Adjusted Weight (lbs):	214.41
Type of Drill Collar:	Spiral
Fluid Displacement (gal/ft):	3.314
Fluid Displacement (bbls/ft):	0.0789
Fluid Capacity (gal/ft):	0.365
Fluid Capacity (bbls/ft):	0.0087
Drift Size (in):	2.875

### CONNECTION: 7 5/8" API Reg

Tool Joint OD (in): **9.500**  
Tool Joint ID (in): **3.000**  
Connection MYS (ksi): 120  
Bending Strength Ration (BSR): 2.82

Maximum MUT (ft-lbs): **97 400**  
Tension at Shoulder Separation @ Max MUT (lbs): **Tensile Limited**  
Tension at Connection Yield @ Max MUT (lbs): 2 763 200

Minimum MUT (ft-lbs): **81 200**  
Tension at Shoulder Separation @ Min MUT (lbs): 2 683 500  
Tension at Connection Yield @ Min MUT (lbs): 3 019 700

Tool Joint Torsional Strength (ft-lbs): 162 350  
Tool Joint Tensile Strength (lbs): 3 019 700

Note: MUT values are based on a friction factor of 1.0. There is no published pressure rating for this connection.

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