

DRILL COLLAR SPECIFICATION SHEET

4 7/8" – NC38 – 4.875" OD X 2.250" ID - DRILL COLLAR

| DRILL COLLAR BODY | NOMINAL | |
|-------------------|---------|--------|
| TYPE | SPIRAL | |
| OD | 4.875 | in |
| ID | 2.250 | in |
| WEIGHT | 47.50 | lbs/ft |
| WALL THICKNESS | 1.313 | in |
| SLIP RECESS | YES | |
| ASSEMBLY DRIFT | 2.125 | in |

| CONNECTION SPECIFICATIONS | NOMINAL | |
|---------------------------|------------------|--------|
| CONNECTION | NC38 (3 1/2" IF) | |
| CONNECTION OD | 4.875 | in |
| CONNECTION ID | 2.250 | in |
| CONNECTION TENSILE | 711,800 | lbs |
| CONNECTION TORSIONAL | 20,999 | ft-lbs |
| BENDING STRENGTH RATIO | 2.143 | BSR |
| THREAD COMPOUND | 1.00 | FF |

| CONNECTION SPECIFICATIONS | bbls/ft |
|--|---------------------|
| DISPLACEMENT ESTIMATE (INCLUDES CONNECTIONS) | 0.0173 ¹ |
| CAPACITY ESTIMATE (INCLUDES CONNECTIONS) | 0.0049 ¹ |



¹AT NOMINAL WALL THICKNESS

| MAKEUP TORQUE SPECIFICATIONS | THREAD COMPOUND FRICTION FACTOR | |
|------------------------------|---------------------------------|----------------|
| | 1.00 FF | 1.15 FF* |
| MAXIMUM MAKEUP TORQUE | 13,130 ft-lbs | 15,180* ft-lbs |
| MINIMUM MAKEUP TORQUE | 11,930 ft-lbs | 13,720* ft-lbs |
| CONNECTION TORSIONAL | 20,999 ft-lbs | 24,149* ft-lbs |

*FRICTION FACTOR ADJUSTMENT BASED ON USING COPPER BASED THREAD COMPOUND WITH A FRICTION FACTOR OF 1.15.

*WHEN APPLYING A 1.15 FF THREAD COMPOUND THE CONNECTION TORSIONAL STRENGTH WILL INCREASE BY AN ADDITIONAL 15%.

- MAXIMUM MAKEUP TORQUE SHOULD BE USED WHEN POSSIBLE.
- NO SAFETY FACTOR APPLIED
- VALUES BASED ON UNIFORM (NOMINAL) OD AND WALL THICKNESS.
- IT IS RECOMMENDED THAT DRILLING TORQUE SHOULD NOT EXCEED 80% OF MAKEUP TORQUE.

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Start saving time and money today!

To order your 4 7/8", NC38 Drill Collars for your offshore & land needs, or for further information, please contact:

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