

4 1/2" – NC46 – 6.250" OD X 2.875" ID – SPIRAL - HWDP

TUBE / PIPE BODY	NOMINAL
TYPE	SPIRAL
TUBE OD	4.500 in
TUBE ID	2.750 in
TUBE WALL	0.875 in
WALL SMYS	55,000 psi
TUBE TENSILE	548,060 lbs
TUBE TORSIONAL	40,715 ft-lbs
TUBE COLLAPSE	16,450 psi
TUBE BURST	19,850 psi

TOOL JOINT SPECIFICATIONS	NOMINAL
TOOL JOINT DESCRIPTION	NC46
TOOL JOINT OD	6.250 in
TOOL JOINT ID	2.875 in
TOOL JOINT SMYS	120,000 psi
TOOL JOINT TENSILE	1,024,000 lbs
TOOL JOINT TORSIONAL	38,253 ft-lbs
THREAD COMPOUND	1.00 FF

HWDP ASSEMBLY SPECIFICATIONS	
RANGE	2
DRIFT	2.500 in
ADJUSTED WEIGHT (INCLUDES TOOL JOINTS)	46.30 ¹ lbs/ft
DISPLACEMENT ESTIMATE (INCLUDES TOOL JOINTS)	0.0168 ¹ bbls/ft
CAPACITY ESTIMATE (INCLUDES TOOL JOINTS)	0.0074 ¹ bbls/ft



¹AT NOMINAL WALL THICKNESS

MAKEUP TORQUE SPECIFICATIONS	THREAD COMPOUND FRICTION FACTOR	
	1.00 FF	1.15 FF*
MAXIMUM MAKEUP TORQUE	25,835 ft-lbs	29,710* ft-lbs
MINIMUM MAKEUP TORQUE	21,735 ft-lbs	24,995* ft-lbs
TOOL JOINT TORSIONAL YIELD	38,253 ft-lbs	43,991* 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 TOOL JOINT TORSIONAL YIELD WILL INCREASE BY AN ADDITIONAL 15%.

- MAXIMUM MAKEUP TORQUE SHOULD BE USED WHEN POSSIBLE.
- NOMINAL BURST CALCULATED AT 87.5% RBW PER API.
- TUBE TENSILE, TORSIONAL, COLLAPSE, DISPLACEMENT, CAPACITY & ADJUSTED WEIGHT CALCULATED AT NOMINAL WALL THICKNESS.
- BURST & COLLAPSE ASSUME NO AXIAL LOAD OR BENDING IN STRING.
- 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 1/2", NC46 Spiral Heavy Weight Drill Pipe for your offshore & land needs, or for further information, please contact:

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