

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

TUBE / PIPE BODY	NOMINAL	
TYPE	STANDARD	
TUBE OD	4.500	in
TUBE ID	2.750	in
TUBE WALL	0.875	in
WALL SMYS	55,000	psi
TUBE TENSILE	548,100	lbs
TUBE TORSIONAL	40,700	ft-lbs
TUBE COLLAPSE	17,229	psi
TUBE BURST	18,720	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
NUMBER OF WEARPADS	1	
WEARPAD LENGTH	26	in

HWDP ASSEMBLY SPECIFICATIONS		
RANGE	2	
DRIFT	2.500	in
ADJUSTED WEIGHT (INCLUDES TOOL JOINTS)	41.29 ¹	lbs/ft
DISPLACEMENT ESTIMATE (INCLUDES TOOL JOINTS)	0.0150 ¹	bbbls/ft
CAPACITY ESTIMATE (INCLUDES TOOL JOINTS)	0.0073 ¹	bbbls/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 Standard Heavy Weight Drill Pipe for your offshore & land needs, or for further information, please contact:

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