

5" – NC50 (4 1/2 IF) – 6.625" OD X 3.063" ID – STANDARD - HWDP

TUBE / PIPE BODY	NOMINAL	
TYPE	STANDARD	
TUBE OD	5.000	in
TUBE ID	3.063	in
TUBE WALL	0.969	in
WALL SMYS	55,000	psi
TUBE TENSILE	691,150	lbs
TUBE TORSIONAL	56,495	ft-lbs
TUBE COLLAPSE	16,900	psi
TUBE BURST	20,600	psi

TOOL JOINT SPECIFICATIONS	NOMINAL	
TOOL JOINT DESCRIPTION	NC50 (4 1/2" IF)	
TOOL JOINT OD	6.625	in
TOOL JOINT ID	3.063	in
TOOL JOINT SMYS	120,000	psi
TOOL JOINT TENSILE	1,265,000	lbs
TOOL JOINT TORSIONAL	51,330	ft-lbs
THREAD COMPOUND	1.00	FF
NUMBER OF WEARPADS	1	
WEARPAD LENGTH	26	in

HWDP ASSEMBLY SPECIFICATIONS		
RANGE	2	
DRIFT	2.688	in
ADJUSTED WEIGHT (INCLUDES TOOL JOINTS)	50.10 ¹	lbs/ft
DISPLACEMENT ESTIMATE (INCLUDES TOOL JOINTS)	0.0184 ¹	bbbls/ft
CAPACITY ESTIMATE (INCLUDES TOOL JOINTS)	0.0088 ¹	bbbls/ft



¹AT NOMINAL WALL THICKNESS

MAKEUP TORQUE SPECIFICATIONS	THREAD COMPOUND FRICTION FACTOR	
	1.00 FF	1.15 FF*
MAXIMUM MAKEUP TORQUE	34,765 ft-lbs	39,980* ft-lbs
MINIMUM MAKEUP TORQUE	29,165 ft-lbs	33,540* ft-lbs
TOOL JOINT TORSIONAL YIELD	51,330 ft-lbs	59,030* 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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To order your 5", NC50 Standard Heavy Weight Drill Pipe for your offshore & land needs, or for further information, please contact:

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