

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

TUBE / PIPE BODY	NOMINAL	
TYPE	SPIRAL	
TUBE OD	5.000	in
TUBE ID	3.063	in
TUBE WALL	0.969	in
WALL SMYS	55,000	psi
TUBE TENSILE	674,800	lbs
TUBE TORSIONAL	55,800	ft-lbs
TUBE COLLAPSE	17,183	psi
TUBE BURST	18,650	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

HWDP ASSEMBLY SPECIFICATIONS		
RANGE	2	
DRIFT	2.688	in
ADJUSTED WEIGHT (INCLUDES TOOL JOINTS)	58.66 [†]	lbs/ft
DISPLACEMENT ESTIMATE (INCLUDES TOOL JOINTS)	0.0213 [†]	bbbls/ft
CAPACITY ESTIMATE (INCLUDES TOOL JOINTS)	0.0091 [†]	bbbls/ft



[†]AT 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.

Information is provided for reference and illustration purposes only. It has been extracted from information available from the manufacturer and other public domain sources. Quality Rental Tools accepts no responsibility or liability to any party for the accuracy of the technical information provided or for any error, omission, or misstatement. The reader is fully responsible for the accuracy of all technical data and expected to make independent enquiry and to rely on their own skill and judgement in evaluating whether any product or equipment is suitable. Figures may exclude the effects of wear, bore back, ID chamfers, stress relief features and/or spiral features.

Start saving time and money today!

To order your 5", NC50 Spiral Heavy Weight Drill Pipe for your offshore & land needs, or for further information, please contact:

Toll Free T: 888-922-3449
 Houma, Louisiana T: 985-851-3449
 Cadiz, Ohio T: 330-205-2718
 Midland, Texas T: 432-219-3400
 company@qualityrentaltools.com
 www.qualityrentaltools.com