

5 1/2" – FH – 7.500" OD X 3.500" ID – STANDARD - HWDP

TUBE / PIPE BODY	NOMINAL	
TYPE	STANDARD	
TUBE OD	5.500	in
TUBE ID	3.375	in
TUBE WALL	1.0625	in
WALL SMYS	55,000	psi
TUBE TENSILE	814,660	lbs
TUBE TORSIONAL	74,140	ft-lbs
TUBE COLLAPSE	16,500	psi
TUBE BURST	20,000	psi

TOOL JOINT SPECIFICATIONS	NOMINAL	
TOOL JOINT DESCRIPTION	FH	
TOOL JOINT OD	7.500	in
TOOL JOINT ID	3.500	in
TOOL JOINT SMYS	120,000	psi
TOOL JOINT TENSILE	1,349,300	lbs
TOOL JOINT TORSIONAL	60,177	ft-lbs
THREAD COMPOUND	1.00	FF
NUMBER OF WEARPADS	1	
WEARPAD LENGTH	26	in

HWDP ASSEMBLY SPECIFICATIONS		
RANGE	2	
DRIFT	3.125	in
ADJUSTED WEIGHT (INCLUDES TOOL JOINTS)	60.30 [†]	lbs/ft
DISPLACEMENT ESTIMATE (INCLUDES TOOL JOINTS)	0.0219 [†]	bbbls/ft
CAPACITY ESTIMATE (INCLUDES TOOL JOINTS)	0.0112 [†]	bbbls/ft



[†]AT NOMINAL WALL THICKNESS

MAKEUP TORQUE SPECIFICATIONS	THREAD COMPOUND FRICTION FACTOR	
	1.00 FF	1.15 FF*
MAXIMUM MAKEUP TORQUE	44,810 ft-lbs	51,532* ft-lbs
MINIMUM MAKEUP TORQUE	37,610 ft-lbs	43,252* ft-lbs
TOOL JOINT TORSIONAL YIELD	60,177 ft-lbs	69,204* 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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