

**4 1/2" – GPDS™42 – 5.375" OD X 2.750" 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	GPDS™42	
TOOL JOINT OD	5.375	in
TOOL JOINT ID	2.750	in
TOOL JOINT SMYS	130,000	psi
TOOL JOINT TENSILE	905,200	lbs
TOOL JOINT TORSIONAL	42,800	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)	37.50 <sup>1</sup>	lbs/ft
DISPLACEMENT ESTIMATE (INCLUDES TOOL JOINTS)	0.0136 <sup>1</sup>	bbbls/ft
CAPACITY ESTIMATE (INCLUDES TOOL JOINTS)	0.0073 <sup>1</sup>	bbbls/ft



<sup>1</sup>AT NOMINAL WALL THICKNESS

MAKEUP TORQUE SPECIFICATIONS	THREAD COMPOUND FRICTION FACTOR	
	1.00 FF	1.15 FF*
MAXIMUM MAKEUP TORQUE	25,700 ft-lbs	29,555* ft-lbs
MINIMUM MAKEUP TORQUE	21,400 ft-lbs	24,610* ft-lbs
TOOL JOINT TORSIONAL YIELD	42,800 ft-lbs	49,220* 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", GPDS™42 Standard Heavy Weight Drill Pipe for your offshore & land needs, or for further information, please contact:

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