

DRILL PIPE PERFORMANCE CHARACTERISTICS SHEET

DRILL PIPE			
Pipe Size and Weight:	4.5" x 16.6PPf	-	-
Pipe Grade:	G	│	
Range:	2		6.25" OD
Tool Joint:	6.1/4" x 3.00" NC46	-	
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PIPE		7)	
Dimensional Data	New		1!
OD (in)	4.500		! 3.0" ID
Wall thickness (in)	0.337		/ ! ····
Minimum wall (%)	95.0		l i l
ID (in)	3.826		i
Cross sectional area pipe body (in²)	4.407		l i l
Cross sectional area OD (in²)	15.904		
Cross sectional area ID (in²)	11.497		
Section modulus (in³)	4.271		
Polar section modulus (in³)	8.543		
		_	4.5"OD
Performance Data	New		
Torsional strength (ft-lbs)	43,130	_	!
Tensile strength (lbs)	462,781	_	ļ ļ
80% Torsional strength (ft-lbs)	34,504	_ ;	1
Burst Pressure capacity (psi)	13,761	2. E	i i
Collapse capacity (psi)	13,825	- "	
TOOL JOINT		 	
Dimensional Data	New		3.826" ID
OD (in)	6.250		`!
ID (in)	3.000		!
Pin tong length (in)	9		ļ ļ
Box tong length (in)	12		i
Connection	NC46		i
Performance Data	New	_	
	New 39,659	-	
Torsional Strength (ft-lbs)	39,659 23,795	\dashv \mid \mid	
Max Recommended Make-up Torque (ft-lbs)	23,795 17,847	-	
Min Recommended Make-up Torque (ft-lbs)		-	3.0" ID
Tensile strength (lbs) Tool joint/Drill pipe torsional ratio (New pipe)	1,048,426 0.92	⊣	1 X
тоог јошириш рире когѕюнагтано (wew pipe)	0.92		
			Ki
Drill pipe assembly with NC46 tool joint			i
Average length (ft)	31.5		١ ¡
Drift size (in)	2.875	\	
Note: Hardbanding - Arnco 100XT on Box Make & Break - 3 Cycles		\	<u> </u>

Note: Tool Joint and Pipe body values were derived as per API RP 7G and DS1 Latest edition. The above values are for refrence only. DPI LLC is not responsible or liable for any loss or damage or injury resulting from the use of above information. All data described are the users own risk & responsibility.