COMPLETE

Pipe

DRILL PIPE PERFORMANCE DATA SHEET

Pipe Size: 4.750 in (121mm)	Grade:	S135	Range:	2
Pipe Weight: 17.5lb/ft (26.04kg/m)	Upset:	IEU	Connection:	480 DUO

ripe								141 6 1	
							NEW	API PREMIUM	
Pipe size	in	4.750	mm	120.7	OD	mm	120.7	117.2	
Pipe weight	lb/ft	17.50	kg/m	26.04	Thickness	mm	8.6	6.8	
Upset Type		IEU			X-Sec Area	cm ²	30.1	23.7	
Tube grade		S135		Se	ection Modulus	cm³	78.9	61.9	
Range		2		Polar Se	ection Modulus	cm³	157.9	123.9	
Tube Yield	МРа	931			Tensile Yield	kdaN	281	221	
ID	mm	103.5			Torsional Yield	N-m	84,700	66,600	
				80%	Torsional Yield	N-m	67,800	53,300	
				Interna	l Pressure Yield	МРа	115.8	105.5	
					Collapse Yield	МРа	103.4	65.5	
					D/t		14.09	17.12	
			Connection/Tube Torsional Ratio			0.824			
Tool Joint								MET	RIC
							NEW		
Connection Type		480 DUO)		OD	mm	146.1		
Material Yield Strength	МРа	896		Tensile	Yield Strength	kdaN	409		
OD	mm	146.1	-	Torsiona	l Yield Strength	N-m	69,800		
ID	mm	92.1	Recomm	nended N	Makeup Torque	N-m	41,900		
Pin Shoulder Angle	deg	18	Ma	ximum N	Makeup Torque	N-m	45,400		
Pin Tool Joint Length	mm	356							
Box Tool Joint Length	mm	356							
J									
								MET	RIC
			Sh	oulder-S	houlder Length	m	9.60	MET	RIC
			Sh		houlder Length djusted Weight		9.60 28.53	MET	RIC
				А	_			MET	RIC
Drill Pipe Assembly			Cl	A losed En	djusted Weight	kg/m	28.53	MET	RIC
			Cl	A losed En	djusted Weight d Displacement	kg/m L/m	28.53 11.85	MET	RIC

The information contained in this data sheet and other attached documentation is for reference use only. It is not intended to imply any explicit recommendation regarding processes, procedures, or performance of the end product. It is the responsibility of the end user to verify and determine the appropriate use of the technical information - no expressed or implied warranty by Complete Tubular Products is intended.

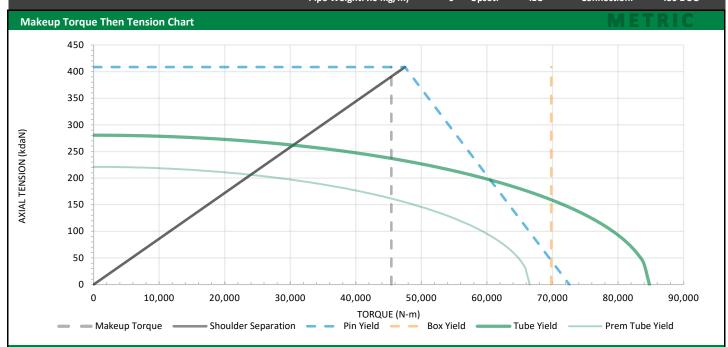
Calculations are based on uniform wall thickness and outside diameter – no safety factor has been applied. The information provided for inspection classes is based on uniform wear and is not intended to recommend or confirm operational limits of any used product. It is recommended that drilling torque not exceed 80% of the makeup torque, however it is the responsibility of the end user to determine the acceptable use of the end product including appropriate performance ratings and safety factors where applicable. All connection torque calculations have been performed using a thread compound friction factor of 1.0. Complete Tubular Products does not endorse any specific thread compound and waives all responsibility in determining appropriate makeup torque values for any specific drilling circumstance. Modifying makeup torque values for any reason shall be done at the end users discretion and risk.

The information in this publication is subject to change without notice, please contact Complete Tubular Products for the latest publication

COMPLETE TUBULAR PRODUCTS

DRILL PIPE PERFORMANCE DATA SHEET

Pipe Size: (121mm) 0 Grade: S135 Range: 2
Pipe Weight: 3.04kg/m) 0 Upset: IEU Connection: 480 DUO



Connection Wear Chart 50,000 MAXIMUM CONNECTION OD **MAKEUP TORQUE** 45,000 (mm) (N-m) 40.000 146.1 45,400 35,000 42,800 144.5 142.9 40,200 **FORQUE (N-m** 30,000 141.3 37,700 25,000 139.7 35,200 20,000 138.1 32,700 15,000 136.5 30,300 10,000 134.9 28,000 5,000 133.4 25,600 0 MIN REC OD (mm) 148.0 146.0 144.0 142.0 140.0 138.0 136.0 134.0 132.0 142.9 40,100 CONNECTION OD (mm)

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