COMPLETE

Pipe

DRILL PIPE PERFORMANCE DATA SHEET

Pipe Size: 4.500 in (114mm)	Grade:	S135	Range:	2
Pipe Weight: 16.6lb/ft (24.70kg/m)	Upset:	IEU	Connection:	430 DUO

							NEW	API PREMIUM	
Pipe size	in	4.500	mm	114.3	OD	mm	114.3	110.9	
Pipe weight	lb/ft	16.60	kg/m	24.70	Thickness	mm	8.6	6.8	
Upset Type		IEU			X-Sec Area	cm ²	28.4	22.4	
Tube grade		S135		Se	ection Modulus	cm³	70.0	54.8	
Range		2		Polar Se	ection Modulus	cm³	140.0	109.7	
Tube Yield	МРа	931			Tensile Yield	kdaN	265	208	
ID	mm	97.2			Torsional Yield	N-m	75,200	59,000	
				80%	Torsional Yield	N-m	60,200	47,200	
				Interna	Pressure Yield	МРа	122.0	111.7	
					Collapse Yield	МРа	115.8	75.8	
					D/t		13.35	16.19	
Connection/Tube Torsional Ratio						0.781			
Tool Joint								METI	RIC
							NEW		
Connection Type		430 DUO			OD	mm	133.4		
Material Yield Strength	МРа	896		Tensile	Yield Strength	kdaN	368		
OD	mm	133.4		Torsiona	Yield Strength	N-m	58,800		
ID	mm	76.2	Recom	nmended N	/lakeup Torque	N-m	35,300		
Pin Shoulder Angle	deg	18	Ν	1aximum N	/lakeup Torque	N-m	38,200		
Pin Tool Joint Length	mm	356							
Box Tool Joint Length	mm	356							
Drill Pipe Assembly								METI	RIC
			9	Shoulder-Sl	noulder Length	m	9.60		
				A	djusted Weight	kg/m	27.20		
				Closed End	d Displacement	L/m	10.57		
				CIOSCA LIIC		•			
					d Displacement	L/m	3.47		
					•	-	3.47 7.10		

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

DRILL PIPE PERFORMANCE DATA SHEET

Pipe Size: (114mm) Grade: S135 Range: 2 430 DUO Pipe Weight: 1.70kg/m) Upset: IEU **Connection:**

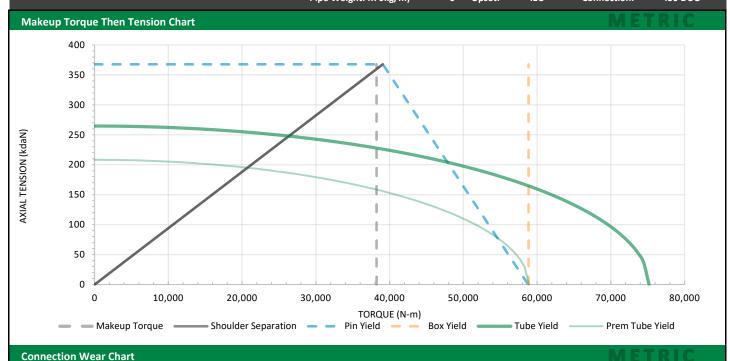
120.7

MIN REC OD (mm)

125.4

22,100

27,900



45,000 MAXIMUM CONNECTION OD **MAKEUP TORQUE** 40,000 (mm) (N-m) 35,000 133.4 38,200 36,100 131.8 30,000 TORQUE (N-m) 130.2 34,000 25,000 31,900 128.6 20,000 127.0 29,900 125.4 27,900 15,000 25,900 123.8 10,000 122.2 24,000 5,000

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124.0

122.0

120.0

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126.0

CONNECTION OD (mm)

0

134.0

132.0

130.0

128.0