COMPLETE

DRILL PIPE PERFORMANCE DATA SHEET

Pipe Size: 2.375 in (60mm)	Grade:	S135	Range:	2
Pipe Weight: 6.65lb/ft (9.90kg/m)	Upset:	EU	Connection:	СТР

Pipe								METRIC
							NEW	API PREMIUM
Pipe size	in	2.375	mm	60.3	OD	mm	60.3	57.5
Pipe weight	lb/ft	6.65	kg/m	9.90	Thickness	mm	7.1	5.7
Upset Type		EU			X-Sec Area	cm ²	11.9	9.3
Tube grade		S135		S	ection Modulus	cm³	14.2	10.9
Range		2		Polar S	ection Modulus	cm³	28.4	21.9
Tube Yield	МРа	931			Tensile Yield	kdaN	111	86
ID	mm	46.1			Torsional Yield	N-m	15,300	11,800
				80%	6 Torsional Yield	N-m	12,200	9,400
				Interna	al Pressure Yield	МРа	192.4	175.8
					Collapse Yield	МРа	193.7	166.2
					D/t		8.48	10.10
			Connect	ion/Tube	Torsional Ratio		0.577	
Tool Joint								METRIC
							NEW	
Connection Type		CTP 23			OD	mm	73.0	
Material Yield Strength	МРа	896		Tensil	e Yield Strength	kdaN	103	
OD	mm	73.0		Torsion	al Yield Strength	N-m	8,800	
ID	mm	38.1	Recom	mended	Makeup Torque	N-m	5,300	
Pin Shoulder Angle	deg	18						
Pin Tool Joint Length	mm	356						
Box Tool Joint Length	mm	356						
Drill Pipe Assembly								METRIC
			S	houlder-9	Shoulder Length	m	9.60	
				A	Adjusted Weight	kg/m	10.51	
			(Closed En	d Displacement	L/m	2.96	
				О Г.	al Discolars and	L/m	1.34	
				Open En	d Displacement	L/III	1.54	
				Open En	Fluid Capacity	L/III L/m	1.62	

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.

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DRILL PIPE PERFORMANCE DATA SHEET

Upset:

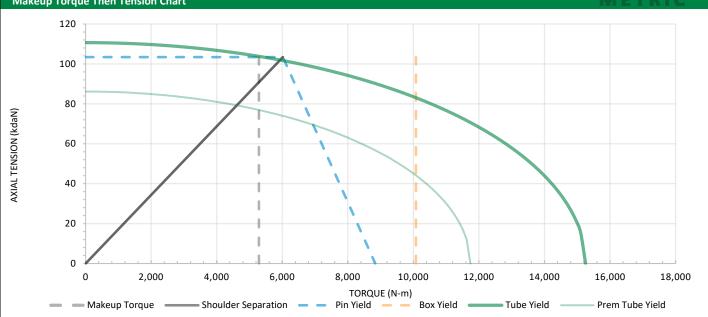
Pipe Size: n (60mm) Pipe Weight:).90kg/m) Grade: S135

ΕU

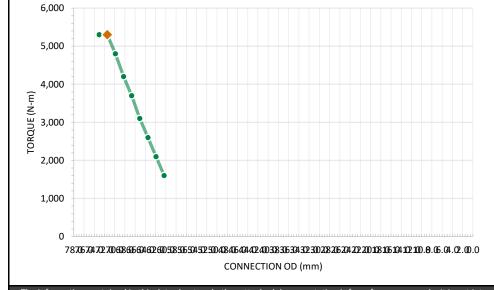
Range: **Connection:**

2 **CTP 23**





Connection Wear Chart



CONNECTION OD (mm)	MAKEUP TORQUE (N-m)						
73.0	5,300						
71.4	5,300						
69.9	4,800						
68.3	4,200						
66.7	3,700						
65.1	3,100						
63.5	2,600						
61.9	2,100						
60.3	1,600						
MIN REC OD (mm)							
71.4	5,300						

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