COMPLETE GROUP

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: CTP 23

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			Section Modulus	cm^3	**14.2**	10.9
Range		2			Polar Section Modulus	cm^3	**28.4**	21.9
Tube Yield	*MPa*	931			Tensile Yield	*kdaN*	**111**	86
ID	*mm*	46.1			Torsional Yield	*N-m*	**15,300**	11,800
					80% Torsional Yield	*N-m*	**12,200**	9,400
					Internal Pressure Yield	*MPa*	**192.4**	175.8
					Collapse Yield	*MPa*	**193.7**	166.2
					D/t		**8.48**	10.10
					Connection/Tube Torsional Ratio		**0.577**	

Tool Joint

METRIC

						NEW	REC MIN OD
Connection Type		CTP 23		OD	*mm*	**73.0**	71.4
Material Yield Strength	*MPa*	896		Tensile Yield Strength	*kdaN*	**103**	103
OD	*mm*	73.0		Torsional Yield Strength	*N-m*	**8,800**	8,800
ID	*mm*	38.1		Recommended Makeup Torque	*N-m*	**5,300**	5,300
Pin Shoulder Angle	*deg*	35		Enhanced Makeup Torque	*N-m*	**6,200**	6,100
Pin Tool Joint Length	*mm*	279					
Box Tool Joint Length	*mm*	330					

Drill Pipe Assembly

METRIC

Shoulder-Shoulder Length	*m*	**9.60**
Adjusted Weight	*kg/m*	**10.35**
Closed End Displacement	*L/m*	**2.94**
Open End Displacement	*L/m*	**1.32**
Fluid Capacity	*L/m*	**1.62**
Drift Size	*mm*	**34.9**

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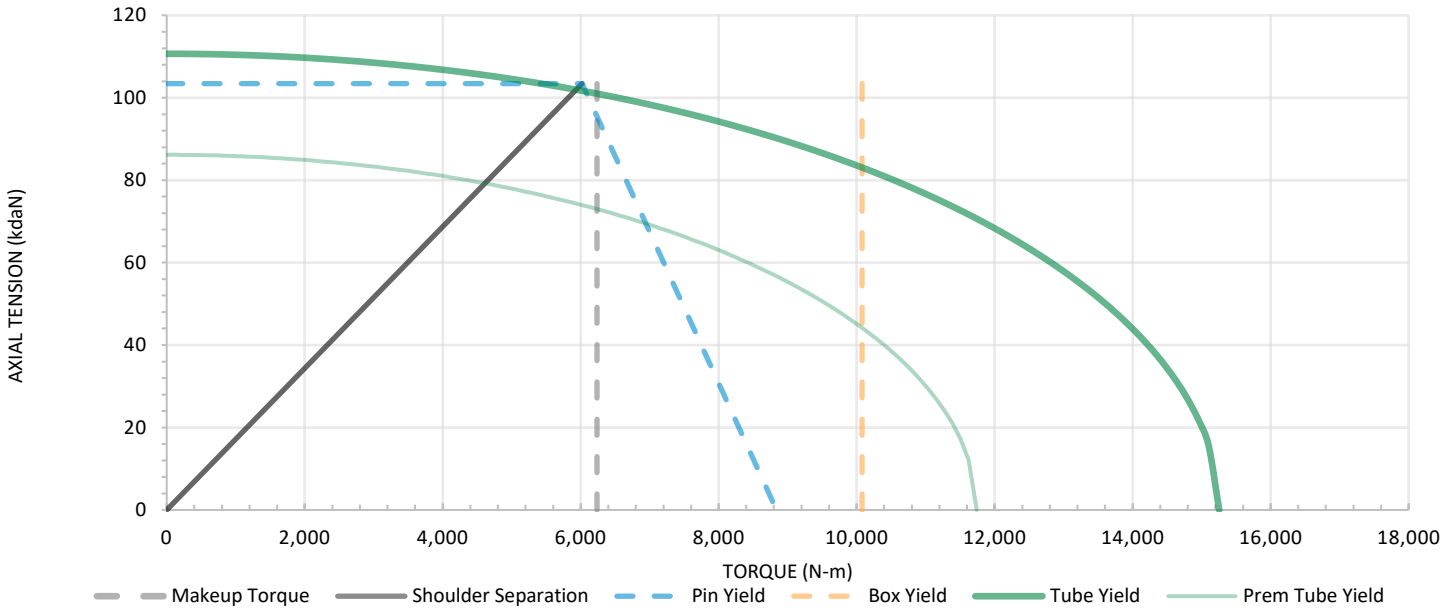
DRILL PIPE PERFORMANCE DATA SHEET

Pipe Size: in (60mm)	0	Grade:	S135	Range:	2
Pipe Weight: 9.90kg/m)	0	Upset:	EU	Connection:	CTP 23

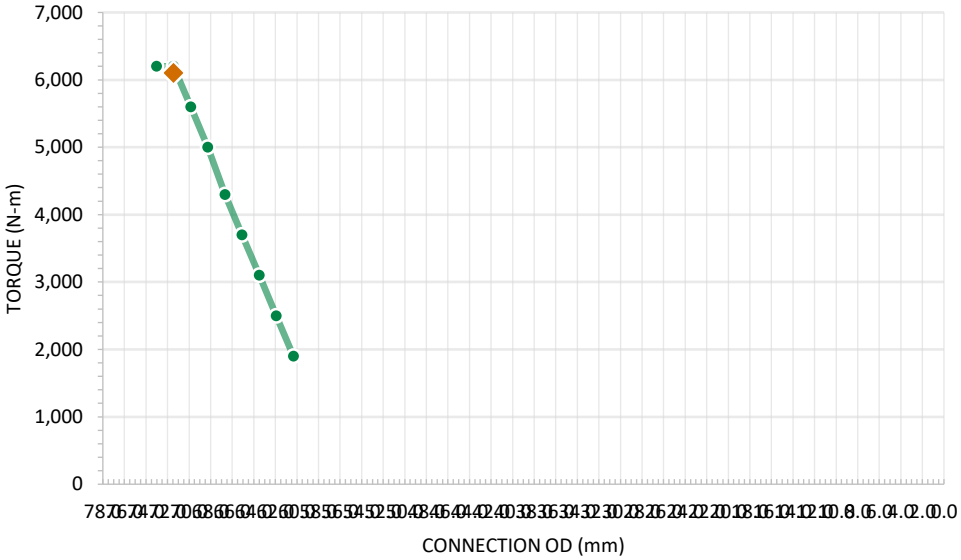
Makeup Torque Then Tension Chart

METRIC



Connection Wear Chart

METRIC



CONNECTION OD (mm)	ENHANCED MAKEUP TORQUE (N-m)
73.0	6,200
71.4	6,200
69.9	5,600
68.3	5,000
66.7	4,300
65.1	3,700
63.5	3,100
61.9	2,500
60.3	1,900
MIN REC OD (mm)	
71.4	6,100

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