DRILL PIPE PERFORMANCE DATA SHEET Pipe Size: 2.375 in (60mm) Grade: **S135** Range: 2 Pipe Weight: 6.65lb/ft (9.90kg/m) **CTP 23** Upset: EU Connection: Pipe NEW **API PREMIUM** 60.3 57.5 Pipe size in 2.375 mm 60.3 OD mm 6.65 9.90 7.1 5.7 Pipe weight lb/ft kg/m Thickness mm**Upset Type** EU X-Sec Area cm² 11.9 9.3 Section Modulus Tube grade 14.2 10.9 S135 2 cm³ Polar Section Modulus Range 28.4 21.9 931 Tube Yield MPa Tensile Yield kdaN 111 86 15,300 ID 46.1 Torsional Yield N-m 11,800 mm 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** NEW **REC MIN OD** 73.0 71.4 **Connection Type** CTP 23 OD mm Material Yield Strength MPa 896 Tensile Yield Strength kdaN 103 103 OD mm 73.0 **Torsional Yield Strength** N-m 8,800 8,800 Recommended Makeup Torque 5,300 ID mm38.1 N-m 5,300 35 Enhanced Makeup Torque N-m 6,200 Pin Shoulder Angle deg 6,100 Pin Tool Joint Length mm 279 **Box Tool Joint Length** 330 **Drill Pipe Assembly** Shoulder-Shoulder Length 9.60 m 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

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 Group 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 Group 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 Group for the latest publication

Generated on: 11/26/2019 ©2019 Complete Group

COMPLETE GROUP

DRILL PIPE PERFORMANCE DATA SHEET

Pipe Size: in (60mm) 0 Grade: S135 Range: 2

Pipe Weight: 3.90kg/m) 0 l

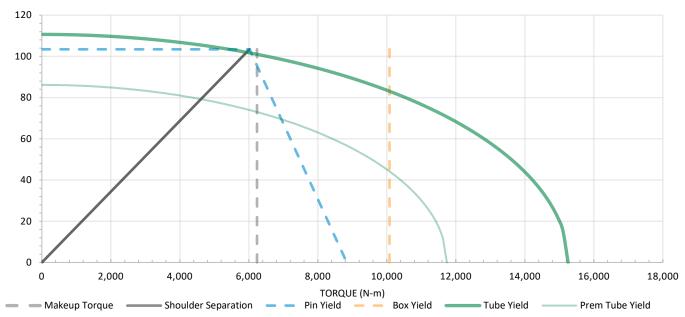
Upset:

EU

Connection:

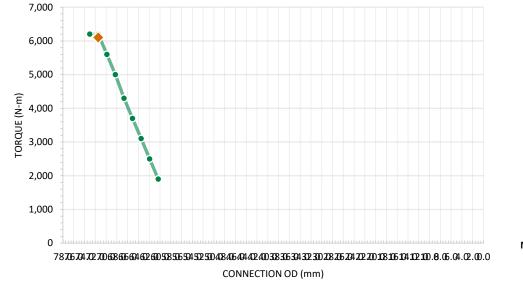
CTP 23





Connection Wear Chart

AXIAL TENSION (kdaN)



	ENHANCED
CONNECTION OD (mm)	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

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 Group 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 Group 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 Group for the latest publication