			DRILL PIPE PERFORMANCE DATA SHEET						
LUIVII				Pipe Size: 4.750 in	(121mm)	Grade:	S135	Rang	ge: 3
UBULAR PRODUCTS				Pipe Weight: 17.5lb/f	Upset:	IEU	Connectio	on: 480 DUO	
Pipe									CDN
						NEW		API PREMIUN	/I CLASS 2
Pipe size	in	4.750	mm 1	.20.7 O	O mm	120.7		117.2	95.8
Pipe weight	lb/ft	17.50	kg/m 2	26.04 Thicknes	s mm	8.6		6.8	6.8
Upset Type		IEU		X-Sec Are	a cm²	30.1		23.7	18.9
Tube grade		S135		Section Modulu	s cm³	78.9		61.9	39.3
Range		3	Polar Section Modulus		s cm³	157.9		123.9	78.7
Tube Yield	МРа	931		Tensile Yie	d <i>kdaN</i>	281		221	137
ID	mm	103.5		Torsional Yie	d ft-lbs	62,500)	49,100	24,200
				80% Torsional Yie	d ft-lbs	50,000)	39,280	19,360
				Internal Pressure Yie	d <i>MPa</i>	115.8		105.5	96.5
				Collapse Yie	d <i>MPa</i>	103.4		65.5	85.5
				D,	't	14.09		17.12	14.18
			Connectio	n/Tube Torsional Rati	0	0.679			
Tool Joint									CDN
						NEW			
Connection Type		480 DUO		0	O mm	142.9			
Material Yield Strength	МРа	896		Tensile Yield Strengt	n <i>kdaN</i>	367			
OD	mm	142.9	Т	orsional Yield Strengt	n <i>ft-lbs</i>	42,400)		
ID	mm	95.3	Recomm	ended Makeup Torqu	e ft-lbs	25,500)		
Pin Shoulder Angle	deg	18	Max	kimum Makeup Torqu	e <i>ft-lbs</i>	27,600)		
	mm	256							
Pin Tool Joint Length	,,,,,,	356							
Pin Tool Joint Length Box Tool Joint Length	mm	356							
9									
9									CDN
Box Tool Joint Length			Sho	oulder-Shoulder Lengt		13.26			CDN
Box Tool Joint Length			Sho	oulder-Shoulder Lengt Adjusted Weigl		13.26 26.54			CDN
Box Tool Joint Length				=	t kg/m			m³/m 0 .	CDN .01170
Box Tool Joint Length			Clo	Adjusted Weigh osed End Displacemen Open End Displacemen	t kg/m t L/m t L/m	26.54 11.70 3.38		m³/m 0 .	.00338
Box Tool Joint Length			Clo	Adjusted Weigh osed End Displacemer	t kg/m t L/m t L/m	26.54 11.70		m³/m 0 .	

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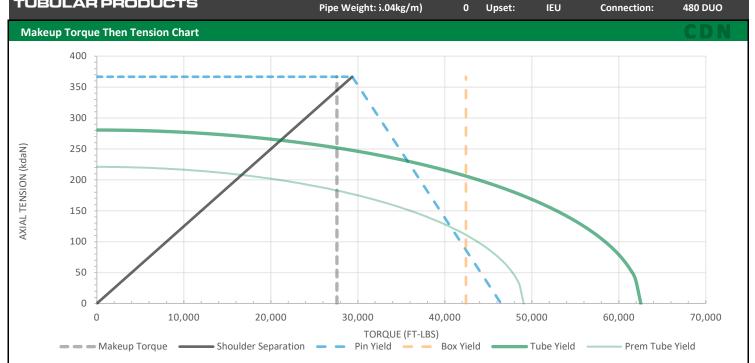
Calculations are based on uniform wall thickness and outside diameter – no safety factor has been applied. The information provided for inspection classes is based on uniform wear and is not intended to recommend or confirm operational limits of any used product. It is recommended that drilling torque 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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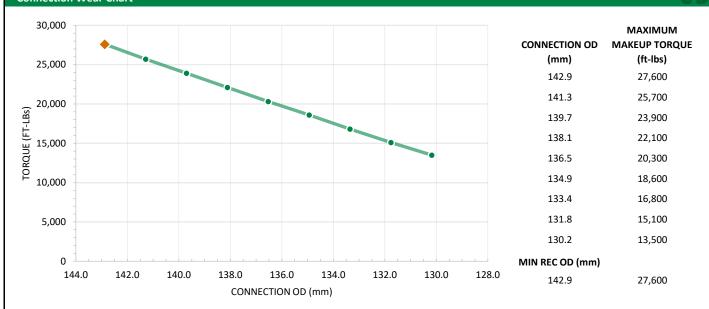
COMPLETE TUBULAR PRODUCTS

DRILL PIPE PERFORMANCE DATA SHEET

Pipe Size: (121mm) 0 Grade: S135 Range: 3



Connection Wear Chart



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