

Pipe

CDN

				NEW	API PREMIUM			
Pipe size	in	5.000	mm	127.0	OD	mm	127.0	123.3
Pipe weight	lb/ft	19.50	kg/m	29.02	Thickness	in(mm)	0.362 (9.2)	0.290 (7.4)
Upset Type		IEU			X-Sec Area	cm ²	34.0	26.8
Tube grade		S135			Section Modulus	cm ³	93.5	73.4
Range		2			Polar Section Modulus	cm ³	187.1	146.7
Tube Yield	MPa	931			Tensile Yield	kdaN	317	250
ID	mm	108.6			Torsional Yield	ft-lbs	74,100	58,100
					80% Torsional Yield	ft-lbs	59,300	46,480
					Internal Pressure Yield	MPa	117.9	107.6
					Collapse Yield	MPa	108.2	68.9
					D/t		13.81	16.77
					Connection/Tube Torsional Ratio		1.136	1.449

Tool Joint

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				NEW		
Connection Type		530 DUO		OD	mm	165.1
Material Yield Strength	MPa	931		Tensile Yield Strength	kdaN	594
OD	mm	165.1		Torsional Yield Strength	ft-lbs	84,200
ID	mm	95.3		Recommended Makeup Torque(60% TYS)	ft-lbs	50,500
Pin Shoulder Angle	deg	18		Max Makeup Torque(65% TYS)	ft-lbs	54,700
Pin Tool Joint Length	mm	356				
Box Tool Joint Length	mm	356				

Drill Pipe Assembly

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Shoulder-Shoulder Length	m	9.60	
Adjusted Weight	kg/m	34.26	
Closed End Displacement	L/m	13.38	m ³ /m 0.01338
Open End Displacement	L/m	4.37	m ³ /m 0.00437
Fluid Capacity	L/m	9.01	m ³ /m 0.00901
Drift Size	mm	92.1	

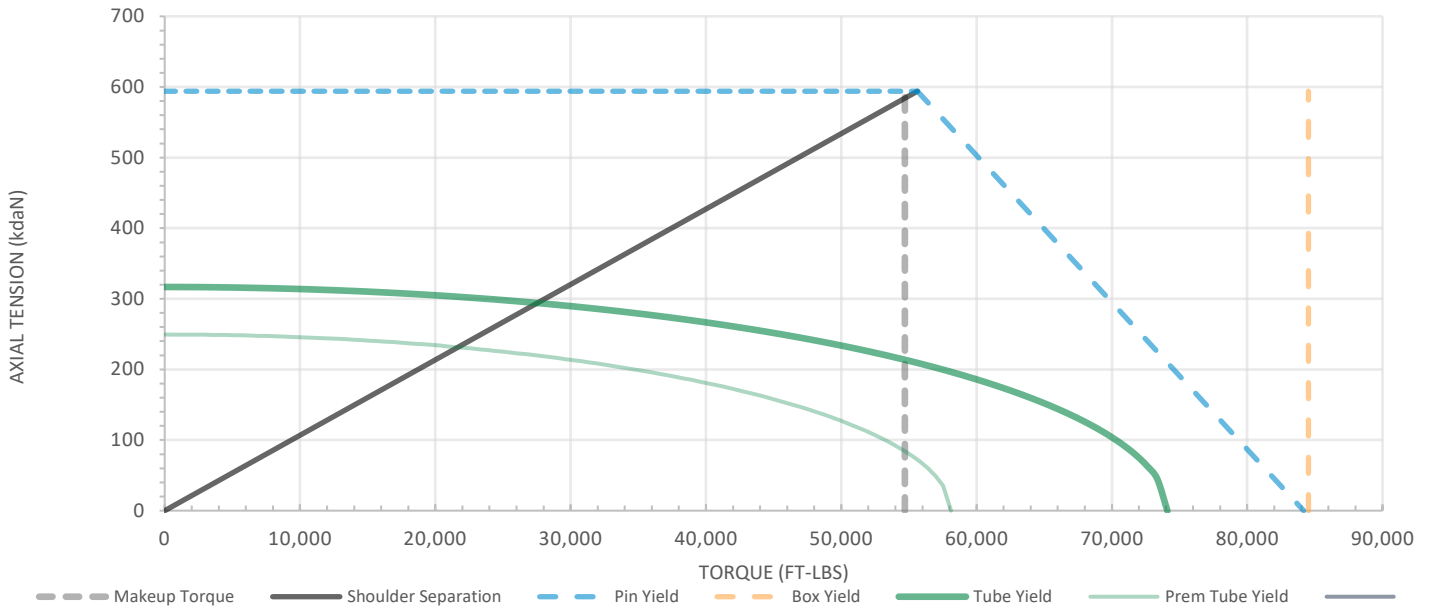
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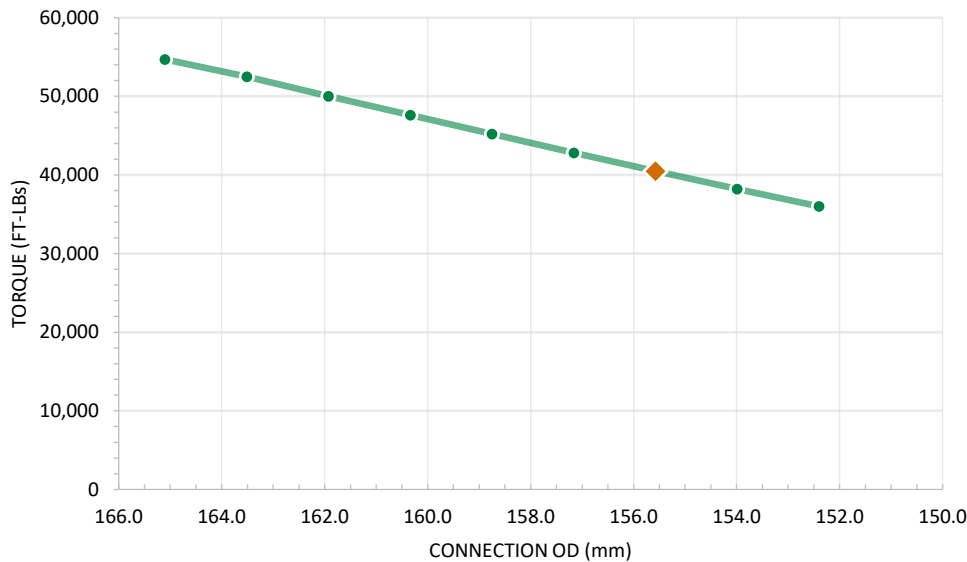
Makeup Torque Then Tension Chart

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Connection Wear Chart

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CONNECTION OD (mm)	MAXIMUM MAKEUP TORQUE (ft-lbs)
165.1	54,700
163.5	52,500
161.9	50,000
160.3	47,600
158.8	45,200
157.2	42,800
155.6	40,500
154.0	38,200
152.4	36,000
MIN REC OD (mm)	155.6
	40,500

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