

Pipe

				NEW	API PREMIUM	
Pipe size	<i>in</i>	5.500	OD	<i>in</i>	5.500	5.334
Pipe weight	<i>lb/ft</i>	24.70	Thickness	<i>in</i>	0.415	0.332
Upset Type		IEU	X-Sec Area	<i>in²</i>	6.630	5.217
Tube grade		S135	Section Modulus	<i>in³</i>	7.844	6.145
Range		2	Polar Section Modulus	<i>in³</i>	15.688	12.290
Tube Yield	<i>ksi</i>	135	Tensile Yield	<i>lbs</i>	895,000	704,000
ID	<i>in</i>	4.670	Torsional Yield	<i>ft-lbs</i>	101,800	79,800
			80% Torsional Yield	<i>ft-lbs</i>	81,400	63,840
			Internal Pressure Yield	<i>psi</i>	17,800	16,300
			Collapse Yield	<i>psi</i>	17,000	11,200
			D/t		13.25	16.07
			Connection/Tube Torsional Ratio		0.822	1.049

Tool Joint

				NEW	
Connection Type		550 DUO	OD	<i>in</i>	6.625
Material Yield Strength	<i>ksi</i>	135	Tensile Yield Strength	<i>lbs</i>	1,310,000
OD	<i>in</i>	6.625	Torsional Yield Strength	<i>ft-lbs</i>	83,700
ID	<i>in</i>	4.000			
Pin Shoulder Angle	<i>deg</i>	18	Recommended Makeup Torque(60% TYS)	<i>ft-lbs</i>	50,200
Pin Tool Joint Length	<i>in</i>	14.0	Max Makeup Torque(65% TYS)	<i>ft-lbs</i>	54,400
Box Tool Joint Length	<i>in</i>	14.0			

Drill Pipe Assembly

Shoulder-Shoulder Length	<i>ft</i>	31.50		
Adjusted Weight	<i>lbs/ft</i>	27.30		
Closed End Displacement	<i>gal/ft</i>	1.280	<i>bbl/ft</i>	0.0305
Open End Displacement	<i>gal/ft</i>	0.417	<i>bbl/ft</i>	0.0099
Fluid Capacity	<i>gal/ft</i>	0.863	<i>bbl/ft</i>	0.0205
Drift Size	<i>in</i>	3.875		

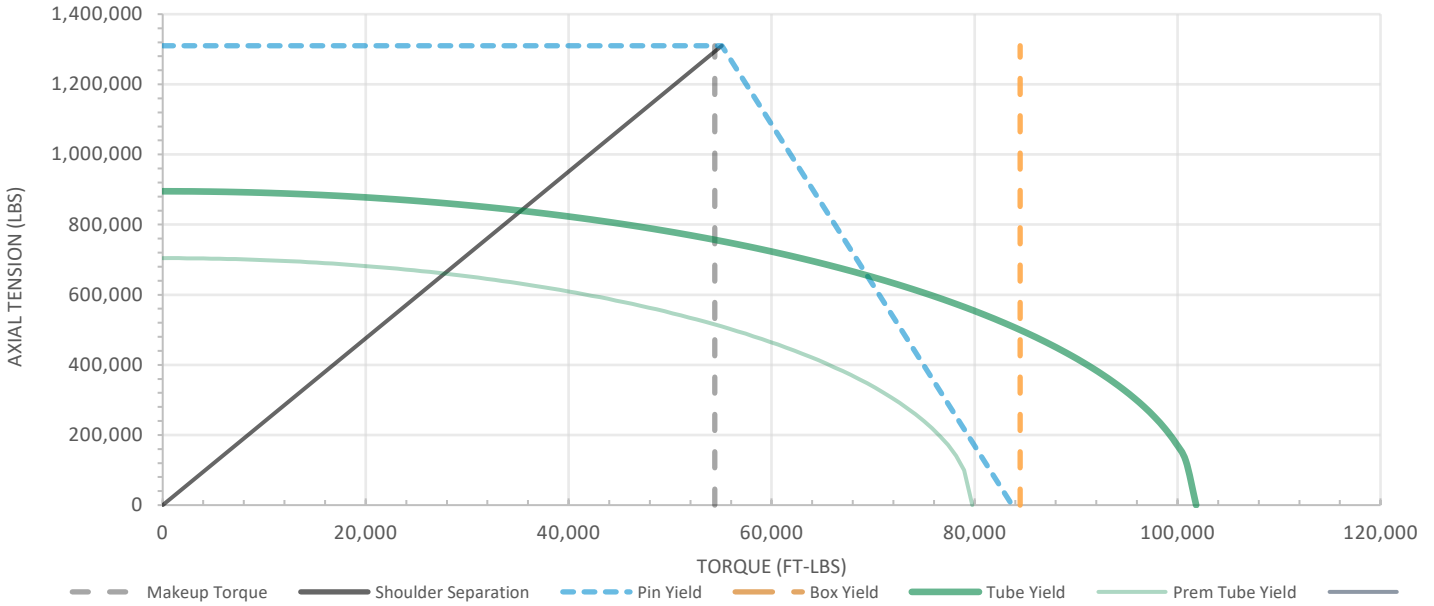
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Calculations are based on uniform wall thickness and outside diameter – no safety factor has been applied. The information provided for inspection classes is based on uniform wear and is not intended to recommend or confirm operational limits of any 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.

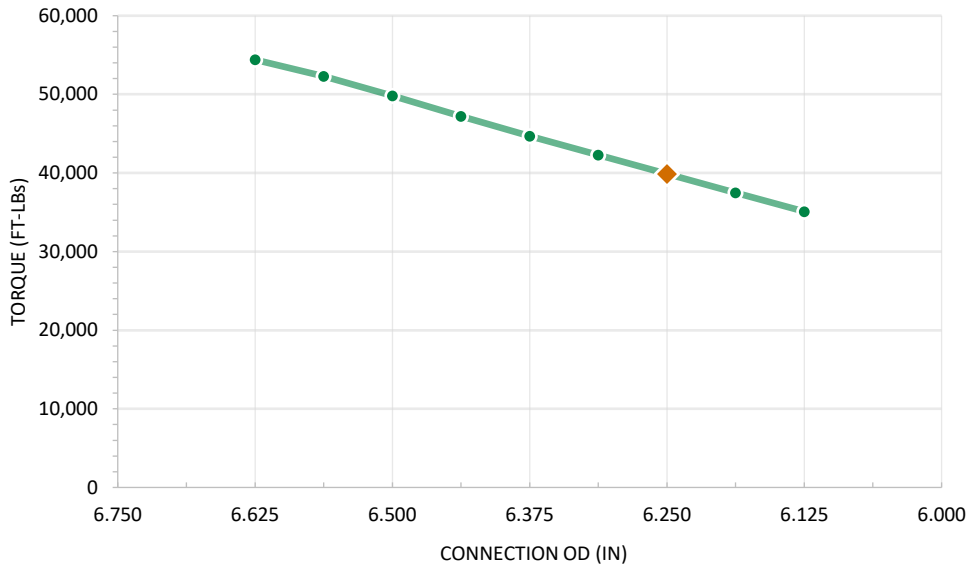
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Pipe Size: 5.500 in Grade: S135 Range: 2
 Pipe Weight: 24.70 lb/ft Upset: IEU Connection: 550 DUO

Makeup Torque Then Tension Chart



Connection Wear Chart



CONNECTION OD (in)	MAXIMUM MAKEUP TORQUE (ft-lbs)
6.625	54,400
6.563	52,300
6.500	49,800
6.438	47,200
6.375	44,700
6.313	42,300
6.250	39,900
6.188	37,500
6.125	35,100
MIN REC OD (in)	
6.250	39,900

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