

## API Drill Pipe Numbered Connections (NC)

Connection Size and Style RSC Type	Box OD (in)	Pin ID (in)	Make-Up Torque (ft-lbs)	Torsional Yield (ft-lbs)	Pin Tensile Yield (lbs)
NC 46	6	2 1/2	26,982	44,970 <b>b</b>	1,307,600
		2 3/4	26,615	44,359	1,183,900
		3	23,399	38,998	1,048,400
		3 1/4	19,937	33,228	901,100
	6 1/8	2 1/2	29,578	49,297	1,307,600
		2 3/4	26,615	44,359	1,183,900
		3	23,399	38,998	1,048,400
		3 1/4	19,937	33,228	901,100
	6 1/4	2 1/2	29,578	49,297	1,307,600
		2 3/4	26,615	44,359	1,183,900
		3	23,399	38,998	1,048,400
		3 1/4	19,937	33,228	901,100

**b - Torsional yield values shown in yellow indicate the connection is box weak in torsion.**

The torsional yield strength is based on a shear strength of 57.7% of the minimum yield strength

The tensile strength of the tool joint pin is based on 120,000 psi yield and the cross sectional area at the root of the thread 5/8" from the shoulder.