

API Drill Pipe Numbered Connections (NC)

Connection Size and Style RSC Type	Box OD (mm)	Pin ID (mm)	Make-Up Torque (Nm)	Torsional Yield (Nm)	Pin Tensile Yield (kg)
NC 31	104,78	41,28	11 542	19 236 b	282 951
		50,80	10 704	17 840	224 846
		53,98	9 591	15 985	202 801
	111,13	41,28	13 675	22 790	282 951
		50,80	10 704	17 840	224 846
		53,98	9 591	15 985	202 801

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 8 437 kg/cm² yield and the cross sectional area at the root of the thread 16mm from the shoulder.