

## 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 46	152,40	63,50	36 583	60 971 <b>b</b>	593 117
		69,85	36 085	60 143	537 008
		76,20	31 725	52 874	475 546
		82,55	27 031	45 051	408 732
	155,58	63,50	40 102	66 838	593 117
		69,85	36 085	60 143	537 008
		76,20	31 725	52 874	475 546
		82,55	27 031	45 051	408 732
	158,75	63,50	40 102	66 838	593 117
		69,85	36 085	60 143	537 008
		76,20	31 725	52 874	475 546
		82,55	27 031	45 051	408 732

**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/cm<sup>2</sup> yield and the cross sectional area at the root of the thread 16mm from the shoulder.