

## API Drill Pipe Connections

Connection Size and Style RSC Type	Box OD (mm)	Pin ID (mm)	Make-Up Torque (Nm)	Torsional Yield (Nm)	Pin Tensile Yield (kg)
5 1/2 FH	177,80	82,55	51 171	85 285 b	806 578
		88,90	51 171	85 285 b	734 457
		95,25	51 171	85 285 b	656 983
		101,60	45 301	75 502	574 157
	180,98	82,55	57 521	95 867 b	806 578
		88,90	57 521	95 867 b	734 457
		95,25	52 218	87 029	656 983
		101,60	45 301	75 502	574 157
	184,15	82,55	64 035	106 725 b	806 578
		88,90	58 745	97 908	734 457
		95,25	52 218	87 029	656 983
		101,60	45 301	75 502	574 157
	190,50	82,55	64 871	108 117	806 578
		88,90	58 745	97 908	734 457
		95,25	52 218	87 029	656 983
		101,60	45 301	75 502	574 157

**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.