

## 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)
6 5/8 FH	203,20	107,95	71 471	119 117 b	953 542
		114,30	71 471	119 117 b	860 011
		120,65	69 526	115 878	761 173
		127,00	59 568	99 279	656 983
	206,38	107,95	79 787	132 979 b	953 542
		114,30	79 057	131 761	860 011
		120,65	69 526	115 878	761 173
		127,00	59 568	99 279	656 983
	209,55	107,95	88 145	146 907	953 542
		114,30	79 057	131 761	860 011
		120,65	69 526	115 878	761 173
		127,00	59 568	99 279	656 983
	215,90	107,95	88 145	146 907	953 542
		114,30	79 057	131 761	860 011
		120,65	69 526	115 878	761 173
		127,00	59 568	99 279	656 983

**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.