

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 50	161,93	69,85	41 068	68 447 b	703 839
		76,20	41 068	68 447 b	642 378
		82,55	41 068	68 447 b	575 563
		88,90	36 165	60 274	503 442
		95,25	30 317	50 530	425 923
	165,10	69,85	46 357	77 260 b	703 839
		76,20	46 357	77 260 b	642 378
		82,55	41 664	69 441	575 563
		88,90	36 165	60 274	503 442
		95,25	30 317	50 530	425 923
	168,28	69,85	51 570	85 949	703 839
		76,20	46 803	78 006	642 378
		82,55	41 664	69 441	575 563
		88,90	36 165	60 274	503 442
		95,25	30 317	50 530	425 923

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.