

New Tool Joints and New Drill Pipe

Pipe		Tool Joint							Pipe	Tool Joint	Pipe	Tool Joint	
API Label 1 (Pipe OD) (in)	API Label 2 (Nominal Weight) (lbs/ft)	Grade	Connection Size and Style RSC Type	OD (mm)	ID (mm)	Make-Up Torque (Nm)	Drift Diameter (mm)	Tensile Yield (kg)	Tensile Yield (kg)	Torsional Yield Strength (Nm)	Torsional Yield Strength (Nm)	Torsional Ratio	
3 1/2	13.30	E	NC 38	120,65	68,26	14 701	65,09	123 182	266 395	25 152	24 501	0.97	
		X	NC 38	127,00	65,09	16 347	61,91	156 030	294 427	31 859	27 245	0.86	
		X	TSDS 38	127,00	65,09	23 754	61,91	156 030	331 259	31 859	39 590	1.24	
		X	PTech39+	120,65	68,26	27 930	65,09	156 030	332 393	31 859	46 532	1.46	
		G	NC 38	127,00	61,91	17 925	58,74	172 454	321 143	35 213	29 875	0.85	
		G	TSDS 38	127,00	61,91	26 886	58,74	172 454	361 286	35 213	44 823	1.27	
		G	PTech39+	120,65	68,26	27 930	65,09	172 454	332 393	35 213	46 532	1.32	
		S	NC 38	127,00	53,98	21 560	50,80	221 727	382 106	45 274	35 933	0.79	
		S	TSDS 38	127,00	53,98	33 977	50,80	221 727	429 870	45 274	56 633	1.25	
	S	PTech39+	123,83	66,68	32 404	63,50	221 727	348 359	45 274	54 016	1.19		
	15.50	E	NC 38	120,65	61,91	15 597	58,74	146 408	321 143	28 589	25 996	0.91	
		X	NC 38	127,00	61,91	17 925	58,74	185 450	321 143	36 211	29 875	0.83	
		X	TSDS 38	127,00	61,91	26 886	58,74	185 450	361 286	36 211	44 823	1.24	
		G	NC 38	127,00	53,98	17 925	50,80	204 972	382 106	40 024	29 875	0.75	
G		TSDS 38	127,00	53,98	33 977	50,80	204 972	429 870	40 024	56 633	1.41		
S		NC 38	127,00	53,98	21 560	50,80	263 535	382 106	51 459	35 933	0.70		
S	TSDS 38	127,00	53,98	33 977	50,80	263 535	429 870	51 459	56 633	1.10			

The torsional yield strength is based on a shear strength of 57.7% of the minimum yield strength and nominal wall thickness.

TSDS Values and Ptech+ Values based on 930,8 MPa Material Yield Strength. API NC Values based on 827,4 MPa Material Yield Strength.

Pin tensile yield values are based on tensile loading conditions only, and do not include the combined effect of torsional and tensile loading.