

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
5 1/2	21.90	E	NC 38	177,80	101,60	45 301	98,43	198 272	574 157	68 754	75 502	1.10
		X	NC 38	177,80	95,25	51 171	92,08	251 145	656 983	87 088	85 285	0.98
		X	TSDS 38	177,80	95,25	79 763	92,08	251 145	739 083	87 088	132 952	1.53
		X	PTech55+	171,45	95,25	78 366	92,08	251 145	712 866	87 088	130 565	1.50
		X	PTech59+	177,80	107,95	81 214	104,78	251 145	693 497	87 088	135 446	1.56
		G	NC 38	180,98	101,60	45 301	98,43	277 582	574 157	96 255	75 502	0.78
		G	TSDS 38	180,98	101,60	67 100	98,43	277 582	645 916	96 255	111 828	1.16
		G	PTech55+	171,45	101,60	71 858	98,43	277 582	619 698	96 255	119 719	1.24
		G	PTech59+	177,80	107,95	81 214	104,78	277 582	693 497	96 255	135 446	1.41
		S	NC 38	180,98	101,60	45 301	98,43	356 891	574 157	123 757	75 502	0.61
		S	TSDS 38	180,98	101,60	67 100	98,43	356 891	645 916	123 757	111 828	0.90
		S	PTech55+	171,45	101,60	71 858	98,43	356 891	619 698	123 757	119 719	0.97
	S	PTech59+	177,80	107,95	81 214	104,78	356 891	693 497	123 757	135 446	1.09	
	24.70	E	NC 38	177,80	101,60	45 301	98,43	225 536	574 157	76 704	75 502	0.98
		X	NC 38	177,80	95,25	51 171	92,08	285 679	656 983	97 158	85 285	0.88
		X	TSDS 38	177,80	95,25	79 763	92,08	285 679	739 083	97 158	132 952	1.37
		X	PTech55+	171,45	95,25	78 366	92,08	285 679	712 866	97 158	130 565	1.34
		X	PTech59+	177,80	107,95	81 214	104,78	285 679	693 497	97 158	135 446	1.39
		G	NC 38	180,98	101,60	45 301	98,43	315 751	574 157	107 386	75 502	0.70
		G	TSDS 38	180,98	101,60	67 100	98,43	315 751	645 916	107 386	111 828	1.04
		G	PTech55+	171,45	101,60	71 858	98,43	315 751	619 698	107 386	119 719	1.11
		G	PTech59+	177,80	107,95	81 214	104,78	315 751	693 497	107 386	135 446	1.26
S		NC 38	180,98	101,60	45 301	98,43	405 965	574 157	138 067	75 502	0.55	
S		TSDS 38	180,98	101,60	67 100	98,43	405 965	645 916	138 067	111 828	0.81	
S		PTech55+	171,45	101,60	71 858	98,43	405 965	619 698	138 067	119 719	0.87	
S	PTech59+	177,80	101,60	88 535	98,43	405 965	792 698	138 067	147 513	1.07		

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.