

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	
6 5/8	25.20	E	6 5/8 FH	203,20	127,00	59 568	123,83	222 017	656 983	95 694	99 279	1.04	
		X	6 5/8 FH	203,20	127,00	59 568	123,83	281 222	656 983	121 213	99 279	0.82	
		X	TSDS 65	203,20	127,00	87 017	123,83	281 222	739 083	121 213	145 032	1.20	
		G	6 5/8 FH	209,55	120,65	69 526	117,48	310 824	761 173	133 971	115 878	0.86	
		G	TSDS 65	209,55	120,65	107 313	117,48	310 824	856 337	133 971	178 873	1.34	
		S	6 5/8 FH	215,90	107,95	88 145	104,78	399 631	953 542	172 249	146 907	0.85	
		S	TSDS 65	215,90	107,95	144 530	104,78	399 631	1 072 746	172 249	240 889	1.40	
	27.70	E	6 5/8 FH	203,20	127,00	59 568	123,83	242 309	656 983	103 442	99 279	0.96	
		X	6 5/8 FH	203,20	127,00	59 568	123,83	306 924	656 983	131 026	99 279	0.76	
		X	TSDS 65	203,20	127,00	87 017	123,83	306 924	739 083	131 026	145 032	1.11	
		G	6 5/8 FH	209,55	120,65	69 526	117,48	339 231	761 173	144 819	115 878	0.80	
		G	TSDS 65	209,55	120,65	107 313	117,48	339 231	856 337	144 819	178 873	1.24	
		S	6 5/8 FH	215,90	107,95	88 145	104,78	436 154	953 542	186 195	146 907	0.79	
		S	TSDS 65	215,90	107,95	144 530	104,78	436 154	1 072 746	186 195	240 889	1.29	

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 and nominal wall thickness.

TSDS 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.