

## Texas Steel Conversion TSDS 65 comparison with API 6 5/8 FH

Box OD (mm)	Pin ID (mm)	Make-Up Torque (Nm)	Torsional Yield (Nm)	Pin Tensile Yield (kg)	Connection Size and Style RSC Type
Values in green indicate the improved performance of TSDS over API					
203,20	107,95	125 766 + 76%	209 610 b + 76%	1 072 746 + 13%	TSDS 65
		71 471	119 117 b	953 542	API 6 5/8 FH
	114,30	117 943 + 65%	196 580 b + 65%	967 558 + 13%	TSDS 65
		71 471	119 117 b	860 011	API 6 5/8 FH
	120,65	107 313 + 54%	178 873 + 54%	856 337 + 13%	TSDS 65
		69 526	115 878	761 173	API 6 5/8 FH
	127,00	87 017 + 46%	145 032 + 46%	739 083 + 12%	TSDS 65
		59 568	99 279	656 983	API 6 5/8 FH
206,38	107,95	135 121 + 69%	225 215 b + 69%	1 072 746 + 13%	TSDS 65
		79 787	132 979 b	953 542	API 6 5/8 FH
	114,30	126 484 + 60%	210 816 + 60%	967 558 + 13%	TSDS 65
		79 057	131 761	860 011	API 6 5/8 FH
	120,65	107 313 + 54%	178 873 + 54%	856 337 + 13%	TSDS 65
		69 526	115 878	761 173	API 6 5/8 FH
	127,00	87 017 + 46%	145 032 + 46%	739 083 + 12%	TSDS 65
		59 568	99 279	656 983	API 6 5/8 FH
209,55	107,95	144 530 + 64%	240 889 + 64%	1 072 746 + 13%	TSDS 65
		88 145	146 907	953 542	API 6 5/8 FH
	114,30	126 484 + 60%	210 816 + 60%	967 558 + 13%	TSDS 65
		79 057	131 761	860 011	API 6 5/8 FH
	120,65	107 313 + 54%	178 873 + 54%	856 337 + 13%	TSDS 65
		69 526	115 878	761 173	API 6 5/8 FH
	127,00	87 017 + 46%	145 032 + 46%	739 083 + 12%	TSDS 65
		59 568	99 279	656 983	API 6 5/8 FH

b - Torsional yield values shown in yellow indicate the connection is box weak in torsion.

TSDS Values based on 930,8 MPa Material Yield Strength. API FH Values based on 827,4 MPa Material Yield Strength.

Torsional values are based on using a thread compound with a 1.0 API friction factor.

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