

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

Box OD (in)	Pin ID (in)	Make-Up Torque (ft-lbs)	Torsional Yield (ft-lbs)	Pin Tensile Yield (lbs)	Connection Size and Style RSC Type
Values in green indicate the improved performance of TSDS over API					
8	4 1/4	92,760 + 76%	154,600 b + 76%	2,365,000 + 13%	TSDS 65
		52,714	87,856 b	2,102,200	API 6 5/8 FH
	4 1/2	86,990 + 65%	144,990 b + 65%	2,133,100 + 13%	TSDS 65
		52,714	87,856 b	1,896,000	API 6 5/8 FH
	4 3/4	79,150 + 54%	131,930 + 54%	1,887,900 + 13%	TSDS 65
		51,280	85,467	1,678,100	API 6 5/8 FH
	5	64,180 + 46%	106,970 + 46%	1,629,400 + 12%	TSDS 65
		43,935	73,224	1,448,400	API 6 5/8 FH
8 1/8	4 1/4	99,660 + 69%	166,110 b + 69%	2,365,000 + 13%	TSDS 65
		58,848	98,080 b	2,102,200	API 6 5/8 FH
	4 1/2	93,290 + 60%	155,490 + 60%	2,133,100 + 13%	TSDS 65
		58,309	97,182	1,896,000	API 6 5/8 FH
	4 3/4	79,150 + 54%	131,930 + 54%	1,887,900 + 13%	TSDS 65
		51,280	85,467	1,678,100	API 6 5/8 FH
	5	64,180 + 46%	106,970 + 46%	1,629,400 + 12%	TSDS 65
		43,935	73,224	1,448,400	API 6 5/8 FH
8 1/4	4 1/4	106,600 + 64%	177,670 + 64%	2,365,000 + 13%	TSDS 65
		65,012	108,353	2,102,200	API 6 5/8 FH
	4 1/2	93,290 + 60%	155,490 + 60%	2,133,100 + 13%	TSDS 65
		58,309	97,182	1,896,000	API 6 5/8 FH
	4 3/4	79,150 + 54%	131,930 + 54%	1,887,900 + 13%	TSDS 65
		51,280	85,467	1,678,100	API 6 5/8 FH
	5	64,180 + 46%	106,970 + 46%	1,629,400 + 12%	TSDS 65
		43,935	73,224	1,448,400	API 6 5/8 FH
<p align="center">b - Torsional yield values shown in yellow indicate the connection is box weak in torsion.</p> <p align="center">TSDS Values based on 135Ksi Material Yield Strength. API FH Values based on 120Ksi Material Yield Strength.</p> <p align="center">Torsional values are based on using a thread compound with a 1.0 API friction factor.</p> <p align="center">Pin tensile yield values are based on tensile loading conditions only, and do not include the combined effect of torsional and tensile loading.</p>					