

Texas Steel Conversion Double Shouldered High Torque Connection (TSDS)

Connection Size and Style RSC Type	Box OD (in)	Pin ID (in)	Make-Up Torque (ft-lbs)	Torsional Yield (ft-lbs)	Pin Tensile Yield (lbs)
TSDS 65	8	4 1/4	92,760	154,600 b	2,365,000
		4 1/2	86,990	144,990 b	2,133,100
		4 3/4	79,150	131,930	1,887,900
		5	64,180	106,970	1,629,400
	8 1/8	4 1/4	99,660	166,110 b	2,365,000
		4 1/2	93,290	155,490	2,133,100
		4 3/4	79,150	131,930	1,887,900
		5	64,180	106,970	1,629,400
	8 1/4	4 1/4	106,600	177,670	2,365,000
		4 1/2	93,290	155,490	2,133,100
		4 3/4	79,150	131,930	1,887,900
		5	64,180	106,970	1,629,400

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

Values based on 135Ksi 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.