

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 50	6 3/8	2 3/4	54,170	90,290	b	1,745,600
		3	51,370	85,620	b	1,593,200
		3 1/4	48,220	80,380	b	1,427,500
		3 1/2	40,650	67,750		1,248,600
	6 1/2	2 3/4	58,570	97,620	b	1,745,600
		3	55,760	92,940	b	1,593,200
		3 1/4	48,720	81,200		1,427,500
		3 1/2	40,650	67,750		1,248,600
	6 5/8	2 3/4	62,900	104,830		1,745,600
		3	56,140	93,560		1,593,200
		3 1/4	48,720	81,200		1,427,500
		3 1/2	40,650	67,750		1,248,600

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.