

## 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 55	7	3 1/4	66,600	111,000 b	2,000,500
		3 1/2	62,910	104,850 b	1,821,600
		3 3/4	58,830	98,060 b	1,629,400
		4	49,490	82,480	1,424,000
	7 1/8	3 1/4	71,870	119,790 b	2,000,500
		3 1/2	68,180	113,640 b	1,821,600
		3 3/4	59,700	99,510	1,629,400
		4	49,490	82,480	1,424,000
	7 1/4	3 1/4	77,280	128,810 b	2,000,500
		3 1/2	69,200	115,330	1,821,600
		3 3/4	59,700	99,510	1,629,400
		4	49,490	82,480	1,424,000

**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.