

Texas Steel Conversion TSDS 40 comparison with API NC 40

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					
130,18	61,91	32 553 + 60%	54 260 b + 60%	457 811 + 13%	TSDS 40
		20 401	34 001 b	406 918	API NC 40
	65,09	31 157 + 53%	51 928 b + 53%	427 738 + 13%	TSDS 40
		20 401	34 001 b	380 201	API NC 40
	68,26	29 652 + 45%	49 433 b + 45%	396 168 + 12%	TSDS 40
		20 401	34 001 b	352 169	API NC 40
133,35	61,91	36 472 + 53%	60 795 b + 53%	457 811 + 13%	TSDS 40
		23 883	39 804 b	406 918	API NC 40
	65,09	33 543 + 49%	55 914 + 49%	427 738 + 13%	TSDS 40
		22 528	37 548	380 201	API NC 40
	68,26	30 072 + 45%	50 125 + 45%	396 168 + 12%	TSDS 40
		20 770	34 617	352 169	API NC 40
139,70	61,91	36 851 + 52%	61 419 + 52%	457 811 + 13%	TSDS 40
		24 212	40 355	406 918	API NC 40
	65,09	33 543 + 49%	55 914 + 49%	427 738 + 13%	TSDS 40
		22 528	37 548	380 201	API NC 40
	68,26	30 072 + 45%	50 125 + 45%	396 168 + 12%	TSDS 40
		20 770	34 617	352 169	API NC 40

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 NC 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.