

## Texas Steel Conversion TSDS 38 comparison with API NC 38

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					
120,65	53,98	27 266 + 75%	45 447 b + 75%	429 870 + 13%	TSDS 38
		15 597	25 996 b	382 106	API NC 38
	61,91	24 269 + 56%	40 458 b + 56%	361 286 + 13%	TSDS 38
		15 597	25 996 b	321 143	API NC 38
	65,09	22 913 + 47%	38 193 b + 47%	331 259 + 13%	TSDS 38
		15 597	25 996 b	294 427	API NC 38
123,83	53,98	30 682 + 65%	51 142 b + 65%	429 870 + 13%	TSDS 38
		18 636	31 059 b	382 106	API NC 38
	61,91	26 886 + 50%	44 823 + 50%	361 286 + 13%	TSDS 38
		17 925	29 875	321 143	API NC 38
	65,09	23 754 + 45%	39 590 + 45%	331 259 + 13%	TSDS 38
		16 347	27 245	294 427	API NC 38
127,00	53,98	33 977 + 58%	56 633 + 58%	429 870 + 13%	TSDS 38
		21 560	35 933	382 106	API NC 38
	61,91	26 886 + 50%	44 823 + 50%	361 286 + 13%	TSDS 38
		17 925	29 875	321 143	API NC 38
	65,09	23 754 + 45%	39 590 + 45%	331 259 + 13%	TSDS 38
		16 347	27 245	294 427	API NC 38

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.