

TUBE DATA (NEW)	
OD, Tube (in)	4.000
ID, Tube (in)	2.563
Nominal Wall Thickness, Tube (in)	0.719
Center Upset OD (in)	4.500
Elevator Upset OD (in)	4.125
Cross Sectional Area, Tube (in ²)	7.409
Polar Section Modulus, Tube, J/c (in ³)	10.450
Section Modulus, Tube, I/c (in ³)	5.225

TUBE PERFORMANCE PROPERTIES (NEW)	
Tensile Yield (lb)	407,500
Torsional Yield (ft-lb)	27,630
Collapse Pressure (psi)	16,200
Internal Yield Pressure (psi)	17,290
Material Yield Strength (psi)	55,000

TOOL JOINT DATA (NEW)		
Connection Size	TSDS38	
OD (in)	4.875	
ID (in)	2.563	
Box Tool Joint OAL, Ref. (in)	27.0	
Pin Tool Joint OAL, Ref. (in)	30.0	
Material Yield Strength (psi)	135,000	
Thread Compound Friction Factor	1.0 (a)	1.15 (b)
Recommended Make-Up Torque (ft-lb)	17,520	20,200
Torsional Yield (ft-lb)	29,200	
Tool Joint Tensile Yield (lb)	714,000	
Approximate Tension to Yield Pin at Recommended Make-Up Torque (lb)	549,000	
Balanced OD (in)	4.781	

Technical drawing of the TSDS38 BOX and PIN assembly. The drawing shows a vertical cross-section of the assembly with various dimensions and labels. The total height is 31.0 FT (Approx). The box section has a height of 26.0 (Approx) and a pin section height of 29.0 (Approx). The pin section has a height of 25. The drawing includes labels for 'Raised Hardband', '18°', '4.875 OD', '4.125 OD', '4.000 OD', '2.563 ID (Ref)', '0.719 Nominal Wall Thickness', and '2.563 ID'.

ASSEMBLY DATA (NEW)							
Weight (Approx.)		Capacity (Approx.)		Displacement Open Ends (Approx.)		Drift Diameter	Overall Length (Approx.)
(lb/joint)	(lb/ft)	(US Gal/ft)	(BBL/ft)	(US Gal/ft)	(BBL/ft)	(in)	(ft)
891	28.98	0.2682	0.0064	0.4427	0.0105	2.313	31.0

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