

Equipment No's: Ref. Enclosed page

Spec. No.: DP-4-05

TECHNICAL SPECIFICATIONS

4" OD Drill Pipe, S-135, TT-390 Conn's.

New
Premium

80% Remaining Body Wall

DESCRIPTION

Type IU, 14.0 #
 Range 2
 Conventional=welded T-J. / Integral=Monoblock Conventional

TUBE DATA

Material grade				S-135	
Internal plastic coating				TK-34P	
Tube body OD x ID	inch	4,000	3,340	3,868	3,340
Wall thickness, nominal	inch	0,330			0,264
Cross Sectional Area	inch ²	3,805			2,989
Polar Sectional Modulus	inch ³	6,458			5,046
Tensile yield pipe	lbf	513 600			403 500
	<i>kN</i>	<i>2 285</i>			<i>1 795</i>
Torsional yield pipe	lbf-ft	41 900			32 800
	<i>kNm</i>	<i>56,8</i>			<i>44,5</i>
80% Torsional Yield	lbf-ft	33 520			26 240
	<i>kNm</i>	<i>45,4</i>			<i>35,6</i>

CONNECTIONS DATA

Connection type				Turbo Torque 390	
Material grade				130 ksi	
Hardbanding				TCS-Titanium	
OD x ID	inch	5,000	2,563	4,577	2,563
B.S.R.	x : 1	2,00			NA
Tensile yield tooljoint	lbf	753 700			561 400
	<i>kN</i>	<i>3 353</i>			<i>2 497</i>
Torsional yield tooljoint	lbf-ft	47 000			35 200
	<i>kNm</i>	<i>63,7</i>			<i>47,7</i>
Make up torque (Max.)	lbf-ft	32 900			24 600
	<i>kNm</i>	<i>44,6</i>			<i>33,4</i>

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio	=> 0.80	1,12		1,43
Drift diameter	inch		2,438	
Type of elevator shoulder			18°	
Burst pressure	psi	19 490		17 820
	<i>Mpa</i>	<i>134</i>		<i>123</i>
Collapse pressure	psi	20 140		13 840
	<i>MPa</i>	<i>139</i>		<i>95</i>
Adjusted weight	lbs/ft		16,96	
	<i>kg/mtr</i>		<i>25,2</i>	
Approx weight each joint	lbs		544	
	<i>kg</i>		<i>247</i>	
Capacity	gal/ft		0,43	
	<i>ltr/mtr</i>		<i>5,34</i>	
Open end displacement	gal/ft		0,26	
	<i>ltr/mtr</i>		<i>3,23</i>	
Closed end displacement	gal/ft		0,69	
	<i>ltr/mtr</i>		<i>8,57</i>	
Built In Length (shoulder to shoulder)	ft		32,1	
	<i>mtr.</i>		<i>9,8</i>	

Calculated using nominal OD & ID. Safety & Dope friction factor used: 1.0

Values herein is meant as guidelines only. Odfjell will not be held liable for any damage or injuries !

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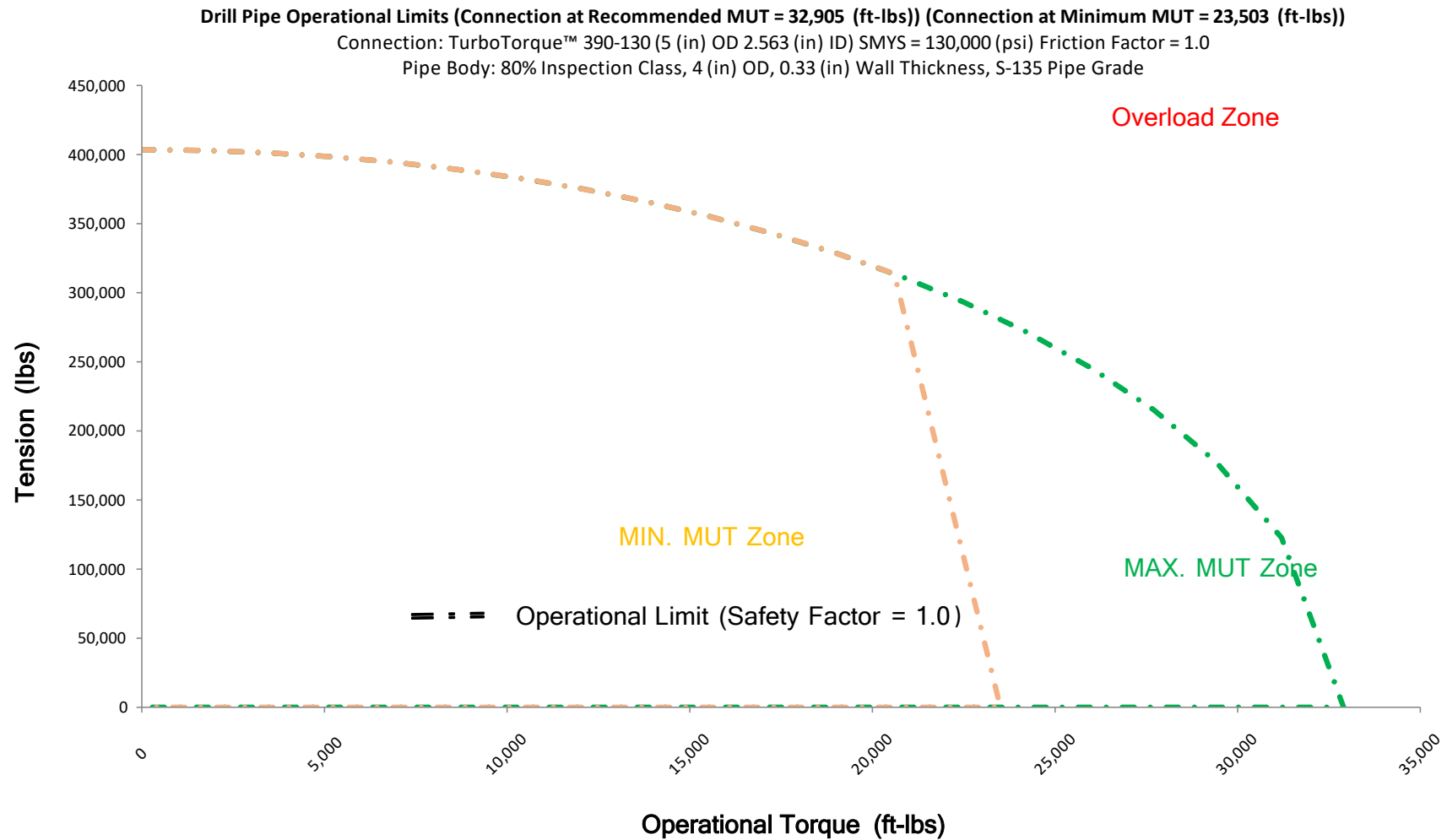
Docs. # 1065505

FLE 12.04.2021



<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-407	388	OWS-500 to OWS-887
OWS-DP-408	489	OWS-900 to OWS-1388
OWS-DP-410	636	OWS-1700 to OWS-2337
OWS-DP-4-05	647	OWS-2400 to OWS-3046

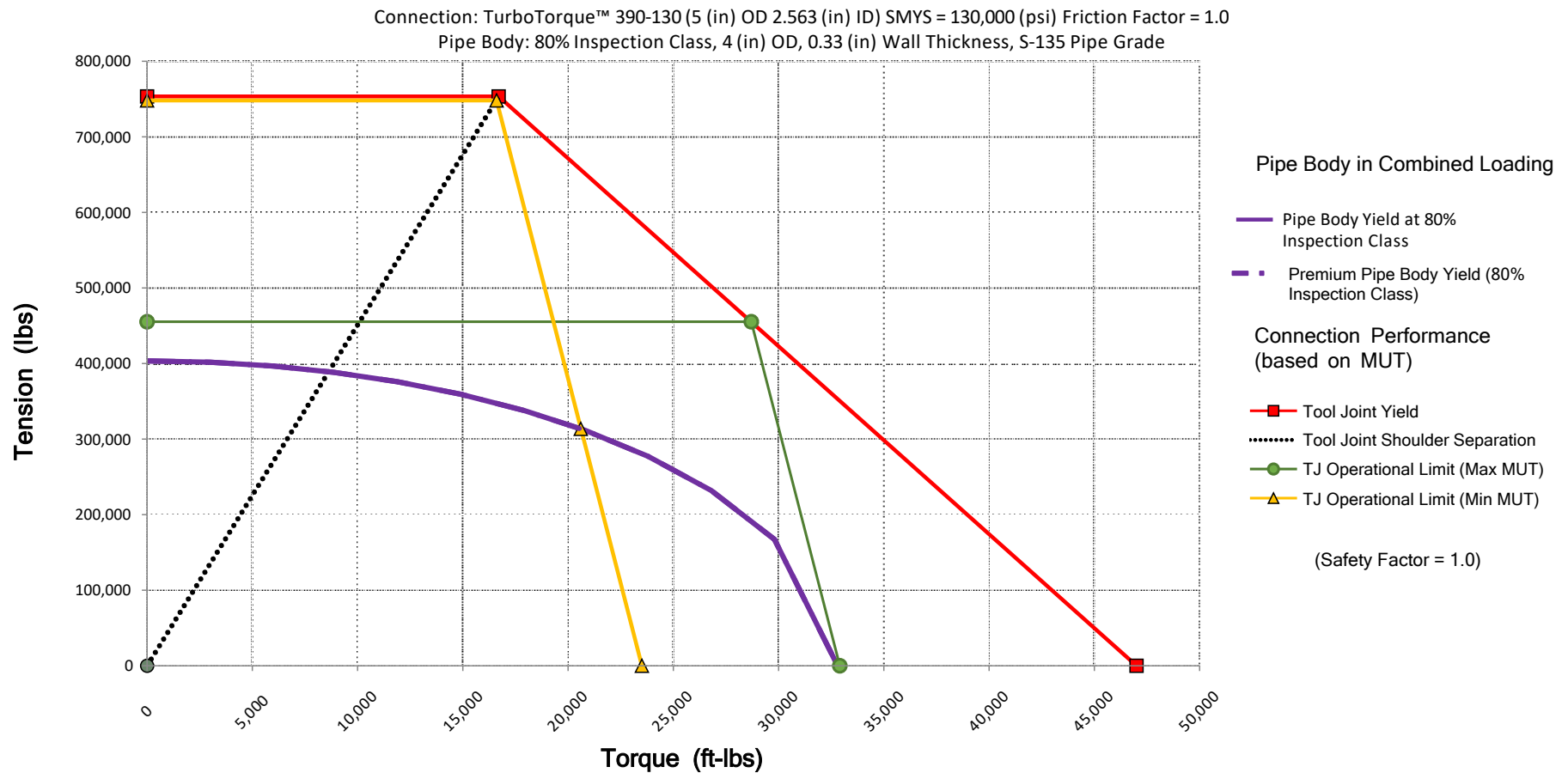
3/24/2021



All references to any internal standards or specifications are per the current edition/revision at the point of manufacturing, unless otherwise stated. All references to any external standards or specifications are per the current edition/revision at the original purchase order (P.O.) date, unless otherwise stated.

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Torque-Tension Graph



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