

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-2.875-01

2-7/8" OD Drill Pipe, S-135, WT-23 Conn's.

New

Premium

80% remaining Body Wall

DESCRIPTION

Type
Range
Conventional=welded T-J. / Integral=Monoblock

IU, 10.4 #
2
Conventional

TUBE DATA

Material grade		S-135			
Internal plastic coating		TK-34P			
Tube body OD x ID	inch	2,875	2,151	2,730	2,151
Wall thickness, nominal	inch	0,362		0,290	
Cross Sectional Area	inch ²	2,858		2,220	
Polar Sectional Modulus	inch ³	3,204		2,456	
Tensile yield pipe	lbf <i>kN</i>	385 800 <i>1 716</i>		299 800 <i>1 334</i>	
Torsional yield pipe	lbf-ft <i>kNm</i>	20 800 <i>28,2</i>		15 950 <i>21,6</i>	
80% Torsional Yield	lbf-ft <i>kNm</i>	16 640 <i>22,6</i>		12 760 <i>17,3</i>	

CONNECTION DATA

Connection type		Hydril WT-23			
Material grade		120ksi			
Hardbanding		Arnco-300XT			
OD x ID	inch	3,125	1,500	2,938	1,500
B.S.R.	x : 1	NA		NA	
Tensile yield tooljoint	lbf <i>kN</i>	387 000 <i>1 721</i>			
Torsional yield tooljoint	lbf-ft <i>kNm</i>	10 400 <i>14,1</i>			
Make up torque Minimum (Note 1)	lbf-ft <i>kNm</i>	2 200 <i>3,0</i>			
Make up torque Maximum (Note 1)	lbf-ft <i>kNm</i>	8 300 <i>11,3</i>			

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		0,50	0,65
Drift diameter	inch	1,375	
Type of elevator shoulder:		18°	
Burst pressure	psi <i>Mpa</i>	29 700 <i>205</i>	27 200 <i>188</i>
Collapse pressure	psi <i>MPa</i>	29 700 <i>205</i>	25 600 <i>177</i>
Adjusted weight	lbs/ft <i>kg/mtr</i>	10,5 <i>15,6</i>	
Approx weight each joint	lbs <i>kg</i>	331 <i>150</i>	
Capacity	gal/ft <i>ltr/mtr</i>	0,184 <i>2,29</i>	
Open end displacement	gal/ft <i>ltr/mtr</i>	0,16 <i>1,99</i>	
Closed end displacement	gal/ft <i>ltr/mtr</i>	0,34 <i>4,27</i>	
Built In Length (shoulder to shoulder)	ft <i>mtr.</i>	31,5 <i>9,6</i>	

Calculated using nominal OD & ID. Safety & Dope friction factor used: 1.0. Connection data from Hydril
Values herein is meant as guidelines only. Odfjell will not be held liable for any damage or injuries !

<http://www.ows.no/Legal-Notice>

Docs. # 1057352

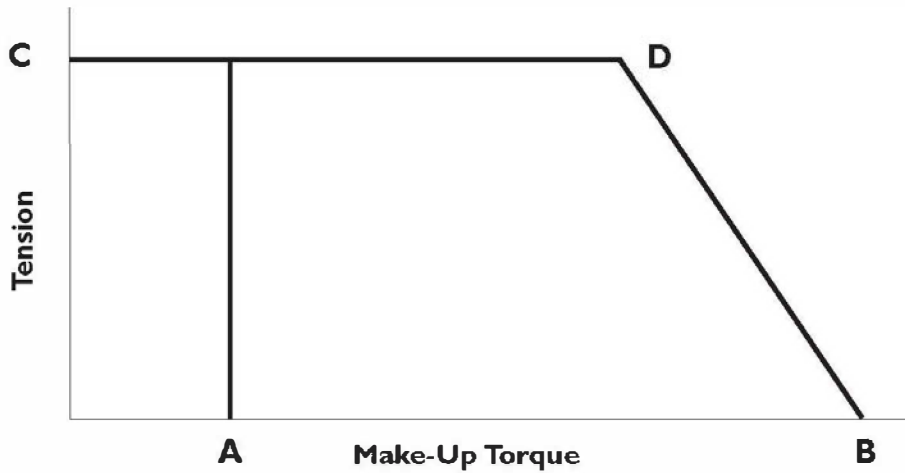
FRB - 11.12.2014

Note 1: THE CONNECTIONS EXTERNAL TORQUE SHOULDER DO NOT MAKE CONTACT - THERE SHALL BE A GAP!

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-2782	330	OWS-1000 to OWS-1330
OWS-DP-2787	324	OWS-2800 to OWS-3123



Tension Vs. Make-Up Torque For Wedge Thread Tool Joint



Tension Versus Make-Up Torque

Size	Tool Joint		A	B	C	D	
	OD	ID	Minimum Torque	Yield Torque/l.l	Tensile Yield/l.l	Transition Point	
	Inches	Inches	1000 ft.-lbs.	1000 ft.-lbs.	1000 lbs.	Torque	Tension
						1000 ft.-lbs.	1000 lbs.
WT14S	3.375	1.975	2.8	10.1	285	7.3	285
WT23	3.125	1.500	2.2	9.5	352	6.5	352
WT23	3.375	1.500	2.2	9.5	352	6.5	352
WT26	3.375	1.750	2.8	11.2	378	7.7	378
WT31	4.125	2.000	6.1	26	634	19.1	634
WT38	4.750	2.500	9.0	37	825	27	825
WT38	4.750	2.563	9.0	37	797	27	797
WT38	5.000	2.563	9.0	37	797	27	797
WT39	5.000	2.813	10.0	42	827	30	827
WT39	5.125	2.813	10.0	42	827	30	827
WT40	5.375	3.125	12.0	49	907	36	907
WT40	5.500	3.125	12.0	49	907	36	907
WT46	5.875	3.500	15.0	64	1164	44	1164
WT46	6.000	3.500	15.0	64	1164	44	1164
WT46	6.250	3.500	15.0	64	1164	44	1164
WT50	6.625	3.625	23.0	99	1555	70	1555
WT50	7.000	3.875	23.0	99	1394	73	1394
WT50	7.000	4.000	23.0	99	1309	74	1309
WT54	7.000	4.375	25.0	109	1278	83	1278
WT56	7.000	4.375	27.0	119	1532	87	1532
WT56	7.000	4.500	27.0	119	1436	89	1436
WT56	7.000	4.625	27.0	119	1339	91	1339
WT56	7.250	4.625	27.0	119	1339	91	1339
WT66	8.000	5.375	35.0	153	1504	117	1504