

Equipment No's: Ref. Enclosed page

Spec. No.: DP-3.5-02

TECHNICAL SPECIFICATIONS

3-1/2" OD Drill Pipe, S-135, NC-38 Conn's.

New

Premium

80% Remaining Body Wall

DESCRIPTION

Type EU, 15.5 #
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	3,500	2,602	3,320	2,602
Wall thickness, nominal	inch		0,449		0,359
Cross Sectional Area	inch ²		4,304		3,342
Polar Sectional Modulus	inch ³		5,847		4,477
Tensile yield pipe	lbf		581 000		451 100
	<i>kN</i>		<i>2 584</i>		<i>2 007</i>
Torsional yield pipe	lbf-ft		37 960		29 060
	<i>kNm</i>		<i>51,5</i>		<i>39,4</i>
80% Torsional Yield	lbf-ft		30 368		23 248
	<i>kNm</i>		<i>41,2</i>		<i>31,5</i>

CONNECTIONS DATA

Connection type				NC-38 Standard	
Material grade				120 ksi	
Hardbanding				Arnco-300XT	
OD x ID	inch	5,000	2,438	4,719	2,438
B.S.R.	x : 1		2,54		1,99
Tensile yield tooljoint	lbf		693 700		578 900
	<i>kN</i>		<i>3 086</i>		<i>2 575</i>
Torsional yield tooljoint	lbf-ft		22 200		18 270
	<i>kNm</i>		<i>30,1</i>		<i>24,8</i>
Make up torque (Max.)	lbf-ft		13 000		11 000
	<i>kNm</i>		<i>17,6</i>		<i>14,9</i>

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio	=> 0.80 *	0,58			0,76
Drift diameter	inch			2,313	
Type of elevator shoulder				18°	
Burst pressure	psi		30 300		27 700
	<i>Mpa</i>		<i>209</i>		<i>191</i>
Collapse pressure	psi		30 100		26 000
	<i>MPa</i>		<i>208</i>		<i>179</i>
Adjusted weight	lbs/ft			17,3	
	<i>kg/mtr</i>			<i>25,7</i>	
Approx weight each joint	lbs			545	
	<i>kg</i>			<i>247</i>	
Capacity	gal/ft			0,273	
	<i>ltr/mtr</i>			<i>3,39</i>	
Open end displacement	gal/ft			0,27	
	<i>ltr/mtr</i>			<i>3,35</i>	
Closed end displacement	gal/ft			0,54	
	<i>ltr/mtr</i>			<i>6,74</i>	
Built In Length (shoulder to shoulder)	ft			31,5	
	<i>mtr.</i>			<i>9,6</i>	

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

* API generally recommends a torsional ratio of 0.80 or larger

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

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



ODFJELL WELL SERVICES

A PART OF ODFJELL DRILLING

String number:	Joints:	Individual serial numbers:
OWS-BV-DP-312	400	ODCC-1000 to ODCC-1538
OWS-DP-3129	834	OWS-001 to OWS-834
94-UK-BV-3-1/2"S	256	DH-001 to DH-256
OWS-DP-3125	638	OWS-500 to 998 + OWS-1000 to 1138
OWS-DP-3126	647	OWS-2500 to OWS-3147
OWS-DP-31210	313	OWS-1200 to OWS-1512
OWS-DP-31211	646	OWS-1600 to OWS-2245