

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-3.5-02

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

New

Premium

80% remaining Body Wall

DESCRIPTION

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

EU, 15.5 #
2
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 <i>kN</i>	581 000 <i>2 584</i>		451 100 <i>2 007</i>	
Torsional yield pipe	lbf-ft <i>kNm</i>	37 960 <i>51,5</i>		29 060 <i>39,4</i>	
80% Torsional Yield	lbf-ft <i>kNm</i>	30 368 <i>41,2</i>		23 248 <i>31,5</i>	

CONNECTION 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 <i>kN</i>	693 700 <i>3 086</i>		578 900 <i>2 575</i>	
Torsional yield tooljoint	lbf-ft <i>kNm</i>	22 200 <i>30,1</i>		18 270 <i>24,8</i>	
Make up torque (Max.)	lbf-ft <i>kNm</i>	13 000 <i>17,6</i>		11 000 <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 <i>Mpa</i>	30 300 <i>209</i>	27 700 <i>191</i>
Collapse pressure	psi <i>MPa</i>	30 100 <i>208</i>	26 000 <i>179</i>
Adjusted weight	lbs/ft <i>kg/mtr</i>	17,3 <i>25,7</i>	
Approx weight each joint	lbs <i>kg</i>	545 <i>247</i>	
Capacity	gal/ft <i>ltr/mtr</i>	0,273 <i>3,39</i>	
Open end displacement	gal/ft <i>ltr/mtr</i>	0,27 <i>3,35</i>	
Closed end displacement	gal/ft <i>ltr/mtr</i>	0,54 <i>6,74</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

* 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 !

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