

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-3.5-01

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 00 <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		None			
OD x ID	inch	4,875	2,438	4,719	2,438
B.S.R.	x : 1	2,42		2,10	
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>	22 070 <i>29,9</i>		18 270 <i>24,8</i>	
Make up torque (Max.)	lbf-ft <i>kNm</i>	12 100 <i>16,4</i>		11 000 <i>14,9</i>	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio	=> 0.80 *	0,58		0,78	
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>	17,0 <i>25,3</i>			
Approx weight each joint	lbs <i>kg</i>	536 <i>243</i>			
Capacity	gal/ft <i>ltr/mtr</i>	0,275 <i>3,42</i>			
Open end displacement	gal/ft <i>ltr/mtr</i>	0,26 <i>3,23</i>			
Closed end displacement	gal/ft <i>ltr/mtr</i>	0,54 <i>6,64</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 !

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

Docs. # 1063729

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-BV-DP-312G	393	OWS-2001 to OWS-2393