

Equipment No's: Ref. Enclosed page

Spec. No.: DP-3.5-01

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
	kN	2 584		2 007
Torsional yield pipe	lbf-ft	37 960		29 060
	kNm	51,5		39,4
80% Torsional Yield	lbf-ft	30 368		23 248
	kNm	41,2		31,5

CONNECTIONS 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	693 700		578 900
	kN	3 086		2 575
Torsional yield tooljoint	lbf-ft	22 070		18 270
	kNm	29,9		24,8
Make up torque (Max.)	lbf-ft	12 100		11 000
	kNm	16,4		14,9

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
	Mpa	209		191
Collapse pressure	psi	30 100		26 000
	MPa	208		179
Adjusted weight	lbs/ft		17,0	
	kg/mtr		25,3	
Approx weight each joint	lbs		536	
	kg		243	
Capacity	gal/ft		0,275	
	ltr/mtr		3,42	
Open end displacement	gal/ft		0,26	
	ltr/mtr		3,23	
Closed end displacement	gal/ft		0,54	
	ltr/mtr		6,64	
Built In Length (shoulder to shoulder)	ft		31,5	
	mtr.		9,6	

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 !

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ODFJELL WELL SERVICES

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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