

Equipment No's: Ref. Enclosed page

Spec. No.: DP-3.5-04

TECHNICAL SPECIFICATIONS

3-1/2" OD Drill Pipe, G-105, 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				G-105	
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	451 900			350 800
	kN	2 010			1 560
Torsional yield pipe	lbf-ft	29 500			22 600
	kNm	40,0			30,6
80% Torsional Yield	lbf-ft	23 600			18 080
	kNm	32,0			24,5

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
	kN	3 086			2 575
Torsional yield tooljoint	lbf-ft	22 200			18 270
	kNm	30,1			24,8
Make up torque (Max.)	lbf-ft	13 000			11 000
	kNm	17,6			14,9

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio	=> 0.80	0,75		0,98	
Drift diameter	inch		2,313		
Type of elevator shoulder			18°		
Burst pressure	psi	23 600			19 900
	Mpa	163			137
Collapse pressure	psi	23 480			20 190
	MPa	162			139
Adjusted weight	lbs/ft		17,0		
	kg/mtr		25,2		
Approx weight each joint	lbs		534		
	kg		242		
Capacity	gal/ft		0,277		
	ltr/mtr		3,44		
Open end displacement	gal/ft		0,26		
	ltr/mtr		3,22		
Closed end displacement	gal/ft		0,54		
	ltr/mtr		6,66		
Built In Length (shoulder to shoulder)	ft		31,5		
	mtr.		9,6		

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

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

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-3127	637	OWS-3200 to 3836