

Equipment No's: Ref. Enclosed page

Spec. No.:

DP-3.5-05

TECHNICAL SPECIFICATIONS

3-1/2" OD Drill Pipe, C-105S, NC-38 DSTJ Conn's.

New

Premium

80% Remaining Body Wall

DESCRIPTION

Type EU, 15.5 #, H₂S
 Range 2
 Conventional=welded T-J. / Integral=Monoblock Conventional

TUBE DATA

Material grade				NK-C105S
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 DSTJ
Material grade				110 ksi
Hardbanding				Arnco-300XT
OD x ID	inch	5,000	2,438	4,625 2,438
B.S.R.	x : 1	2,54		1,82
Tensile yield tooljoint	lbf	635 900		455 000
	kN	2 829		2 024
Torsional yield tooljoint	lbf-ft	25 190		18 500
	kNm	34,2		25,1
Make up torque (Max.)	lbf-ft	17 600		12 900
	kNm	23,9		17,5

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio	=> 0.80	0,85		1,11
Drift diameter	inch		2,313	
Type of elevator shoulder			18°	
Burst pressure	psi	23 570		19 900
	Mpa	163		137
Collapse pressure	psi	23 480		20 190
	MPa	162		139
Adjusted weight	lbs/ft		17,6	
	kg/mtr		26,2	
Approx weight each joint	lbs		554	
	kg		251	
Capacity	gal/ft		0,271	
	ltr/mtr		3,37	
Open end displacement	gal/ft		0,27	
	ltr/mtr		3,34	
Closed end displacement	gal/ft		0,54	
	ltr/mtr		6,71	
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-3128	648	OWS-G1000 to OWS-G1647