

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-3.5-04

3-1/2" OD Heavy-Weight Drill Pipe, 1340, NC-38 Conn's.

New

Premium

80% remaining Body Wall

DESCRIPTION

Type

AISI-1340, 21.24#

Range

2

Conventional=welded T-J. / Integral=Monoblock

Conventional

TUBE DATA

Material grade		AISI-1340 (55 ksi)			
Internal plastic coating		NA			
Tube body OD x ID	inch	3,500	2,063	3,213	2,063
Wall thickness, nominal	inch		0,719		0,575
Cross Sectional Area	inch ²		6,280		4,764
Polar Sectional Modulus	inch ³		7,403		5,404
Tensile yield pipe	lbf		345 400		262 000
	kN		1 536		1 165
Torsional yield pipe	lbf-ft		19 580		14 290
	kNm		26,5		19,4
80% Torsional Yield	lbf-ft		15 664		11 432
	kNm		21,2		15,5

CONNECTION DATA

Connection type		NC-38			
Stress Relief Grooves		SRG / BB			
Material grade		AISI-4145H (120 ksi)			
Hardbanding		Arnco-300XT			
OD x ID	inch	4,750	2,063	4,719	2,063
B.S.R.	x : 1		1,83		1,77
Tensile yield tooljoint	lbf		606 800		579 100
	kN		2 699		2 576
Torsional yield tooljoint	lbf-ft		19 180		18 270
	kNm		26,0		24,8
Make up torque Maximum	lbf-ft		11 500		11 000
	kNm		15,6		14,9

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio	=> 0.80		0,98		1,34
Drift diameter	inch			1,938	
Type of elevator shoulder:				18°	
Burst pressure	psi		19 770		18 070
	Mpa		136		125
Collapse pressure	psi		17 950		16 160
	MPa		124		111
Adjusted weight	lbs/ft			26,2	
	kg/mtr			39,0	
Approx weight each joint	lbs			812	
	kg			368	
Capacity	gal/ft			0,208	
	ltr/mtr			2,58	
Open end displacement	gal/ft			0,40	
	ltr/mtr			4,97	
Closed end displacement	gal/ft			0,61	
	ltr/mtr			7,55	
Built In Length (shoulder to shoulder)	ft			31,0	
	mtr			9,45	

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 !

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-HWDP-3122 (Conventional)	22	OWS S98688 98689 98690 98691 102803 102812 102813 102814 102815 102816 102817 102818 102828 102829 102830 102832 102833 102834 102836 102837 102838 102839