

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-3.5-05

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

New

Premium

80% remaining Body Wall

DESCRIPTION

Type

AISI-1340, 19.09#

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	2,250	3,250	2,250
Wall thickness, nominal	inch	0,625		0,500	
Cross Sectional Area	inch ²	5,645		4,320	
Polar Sectional Modulus	inch ³	6,981		5,192	
Tensile yield pipe	lbf	310 500		237 600	
	kN	1 381		1 057	
Torsional yield pipe	lbf-ft	18 460		13 730	
	kNm	25,0		18,6	
80% Torsional Yield	lbf-ft	14 768		10 984	
	kNm	20,0		14,9	

CONNECTION DATA

Connection type		NC-38			
Stress Relief Grooves		SRG / BB			
Material grade		AISI-4145H (120 ksi)			
Hardbanding		Arnco-100XT			
OD x ID	inch	4,750	2,250	4,719	2,250
B.S.R.	x : 1	1,92		1,86	
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		1,04		1,40	
Drift diameter	inch		2,125		
Type of elevator shoulder:			18°		
Burst pressure	psi	17 190		15 710	
	Mpa	119		108	
Collapse pressure	psi	16 140		14 320	
	MPa	111		99	
Adjusted weight	lbs/ft		24,6		
	kg/mtr		36,6		
Approx weight each joint	lbs		763		
	kg		346		
Capacity	gal/ft		0,208		
	ltr/mtr		2,58		
Open end displacement	gal/ft		0,38		
	ltr/mtr		4,72		
Closed end displacement	gal/ft		0,59		
	ltr/mtr		7,30		
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-3128	40	91626 to 91720