

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5-04

5" OD Heavy-Weight Drill Pipe, 1340, NC-50 Conn's.

New

Premium

80% remaining Body Wall

DESCRIPTION

Type

AISI-1340, 38.34#

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	5,000	3,250	4,650	3,250
Wall thickness, nominal	inch		0,875		0,700
Cross Sectional Area	inch ²		11,339		8,687
Polar Sectional Modulus	inch ³		20,162		15,031
Tensile yield pipe	lbf		623 700		477 800
	kN		2 774		2 125
Torsional yield pipe	lbf-ft		53 320		39 750
	kNm		72,3		53,9
80% Torsional Yield	lbf-ft		42 656		31 800
	kNm		57,8		43,1

CONNECTION DATA

Connection type		NC-50			
Stress Relief Grooves		SRG / BB			
Material grade		AISI-4140H (120 ksi)			
Hardbanding		OTW-12			
OD x ID	inch	6,625	3,250	6,313	3,250
B.S.R.	x : 1		2,43		1,98
Tensile yield tooljoint	lbf		1 096 200		1 096 200
	kN		4 876		4 876
Torsional yield tooljoint	lbf-ft		45 400		44 800
	kNm		61,6		60,7
Make up torque Maximum	lbf-ft		31 000		28 400
	kNm		42,0		38,5

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio			0,85		1,14
Drift diameter	inch			3,125	
Type of elevator shoulder:				18°	
Burst pressure	psi		16 840		15 400
	Mpa		116		106
Collapse pressure	psi		15 880		14 070
	MPa		109		97
Adjusted weight	lbs/ft			48,5	
	kg/mtr			72,2	
Approx weight each joint	lbs			1 504	
	kg			682	
Capacity	gal/ft			0,433	
	ltr/mtr			5,38	
Open end displacement	gal/ft			0,75	
	ltr/mtr			9,31	
Closed end displacement	gal/ft			1,19	
	ltr/mtr			14,69	
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-506	34	17200 to 17217 + 17635 to 17651