

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5-04

TECHNICAL SPECIFICATIONS

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

CONNECTIONS DATA

Connection type		NC-50			
Stress Relief Grooves		SRG / BB			
Material grade		AISI-4145H (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 (Max.)	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		1,18	
	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 !

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ODFJELL WELL SERVICES

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-HWDP-506	34	17200 to 17217 + 17635 to 17651