

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5-02

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

New

Premium

80% remaining Body Wall

DESCRIPTION

Type

AISI-1340, 42.49#

Range

2

Conventional=welded T-J. / Integral=Monoblock

Conventional

TUBE DATA

Material grade		AISI-1340 (55 ksi)			
Internal plastic coating		TK-34P			
Tube body OD x ID	inch	5,000	3,000	4,600	3,000
Wall thickness, nominal	inch		1,000		0,800
Cross Sectional Area	inch ²		12,566		9,550
Polar Sectional Modulus	inch ³		21,363		15,654
Tensile yield pipe	lbf		691 200		525 300
	kN		3 075		2 337
Torsional yield pipe	lbf-ft		56 500		41 400
	kNm		76,6		56,1
80% Torsional Yield	lbf-ft		45 200		33 120
	kNm		61,3		44,9

CONNECTION DATA

Connection type		NC-50			
Stress Relief Grooves		SRG / BB			
Material grade		AISI-4145H (120 ksi)			
Hardbanding		Arnc0-300XT/TCS-Titanium			
OD x ID	inch	6,625	3,000	6,313	3,000
B.S.R.	x : 1		2,10		1,85
Tensile yield tooljoint	lbf		1 243 500		1 158 900
	kN		5 531		5 155
Torsional yield tooljoint	lbf-ft		51 200		47 300
	kNm		69,4		64,1
Make up torque Maximum	lbf-ft		34 200		28 400
	kNm		46,9		38,5

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		0,91		1,24
Drift diameter	inch		2,875	
Type of elevator shoulder:			18°	
Burst pressure	psi	19 250		17 600
	Mpa	133		121
Collapse pressure	psi	17 600		15 800
	MPa	121		109
Adjusted weight	lbs/ft		50,0	
	kg/mtr		74,4	
Approx weight each joint	lbs		1 551	
	kg		703	
Capacity	gal/ft		0,369	
	ltr/mtr		4,58	
Open end displacement	gal/ft		0,78	
	ltr/mtr		9,69	
Closed end displacement	gal/ft		1,15	
	ltr/mtr		14,27	
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-504	30	OWS-79561 to OWS-79590
OWS-HWDP-505	30	OWS-85597 to OWS-85626
OWS-HWDP-513	21	Between: 95539 to 95887
OWS-HWDP-523	58	Between: 108848 to 110461