

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-4-05

4" OD Heavy-Weight Drill Pipe, 1340, TT-390 Conn's.

New

Premium

80% remaining Body Wall

DESCRIPTION

Type

Range

Conventional=welded T-J. / Integral=Monoblock

AISI-1340, 25.05#

2

Conventional

TUBE DATA

Material grade		AISI-1340 (55 ksi)			
Internal plastic coating		TK-34P			
Tube body OD x ID	inch	4,000	2,563	3,713	2,563
Wall thickness, nominal	inch		0,719		0,575
Cross Sectional Area	inch ²		7,409		5,668
Polar Sectional Modulus	inch ³		10,450		7,766
Tensile yield pipe	lbf		407 500		311 700
	kN		1 813		1 387
Torsional yield pipe	lbf-ft		27 640		20 540
	kNm		37,5		27,8
80% Torsional Yield	lbf-ft		22 112		16 432
	kNm		30,0		22,3

CONNECTION DATA

Connection type		Turbo Torque 390			
Stress Relief Grooves		NA			
Material grade		AISI-4145H (120 ksi)			
Hardbanding		TCS-Titanium			
OD x ID	inch	4,875	2,563	4,577	2,563
B.S.R.	x : 1		NA		NA
Tensile yield tooljoint	lbf		695 700		518 400
	kN		3 095		2 306
Torsional yield tooljoint	lbf-ft		42 500		32 500
	kNm		57,6		44,1
Make up torque Maximum	lbf-ft		29 800		22 700
	kNm		40,4		30,8

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		1,54		2,07	
Drift diameter	inch			2,438	
Type of elevator shoulder:				18°	
Burst pressure	psi		17 290		15 810
	Mpa		119		109
Collapse pressure	psi		16 210		14 400
	MPa		112		99
Adjusted weight	lbs/ft			28,38	
	kg/mtr			42,2	
Approx weight each joint	lbs			880	
	kg			399	
Capacity	gal/ft			0,269	
	ltr/mtr			3,34	
Open end displacement	gal/ft			0,43	
	ltr/mtr			5,34	
Closed end displacement	gal/ft			0,70	
	ltr/mtr			8,68	
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-405	45	OWS-600 to OWS-644