

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-4-05

TECHNICAL SPECIFICATIONS

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

New
Premium

80% Remaining Body Wall

DESCRIPTION

Type AISI-1340, 25.05#
 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	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

CONNECTIONS 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 (Max.)	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 !

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-HWDP-405	45	OWS-600 to OWS-644