

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5-05

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		NA			
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		Arnco-300XT			
OD x ID	inch	6,625	3,063	6,313	3,063
B.S.R.	x : 1		2,31		1,88
Tensile yield tooljoint	lbf		1 207 500		1 158 900
	kN		5 371		4 876
Torsional yield tooljoint	lbf-ft		50 000		47 300
	kNm		67,8		64,1
Make up torque Maximum	lbf-ft		33 700		28 400
	kNm		45,7		38,5

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		0,88		1,21
Drift diameter	inch		2,938	
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		52,2	
	kg/mtr		77,7	
Approx weight each joint	lbs		1 618	
	kg		734	
Capacity	gal/ft		0,371	
	ltr/mtr		4,61	
Open end displacement	gal/ft		0,81	
	ltr/mtr		10,06	
Closed end displacement	gal/ft		1,18	
	ltr/mtr		14,67	
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-528	38	T87388 to T87436 + U40642 to U40688