

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5-05

TECHNICAL SPECIFICATIONS

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	

CONNECTIONS 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		5 155	
Torsional yield tooljoint	lbf-ft	50 000		47 300	
	kNm	67,8		64,1	
Make up torque (Max.)	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 !

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Docs. # 1084838

Frb - 12.12.2014



ODFJELL WELL SERVICES

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-HWDP-528	38	T87388 to T87436 + U40642 to U40688