

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5.5-03

TECHNICAL SPECIFICATIONS

5-1/2" OD Heavy-Weight Drill Pipe, 1340, 5-1/2" FH Vam Eis Conn's.
New
Premium

80% Remaining Body Wall

DESCRIPTION

 Type AISI-1340, 47.81#
 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	5,500	3,500	5,100	3,500
Wall thickness, nominal	inch	1,000		0,800	
Cross Sectional Area	inch ²	14,137		10,807	
Polar Sectional Modulus	inch ³	27,310		20,269	
Tensile yield pipe	lbf	777 500		594 400	
	kN	3 458		2 644	
Torsional yield pipe	lbf-ft	72 230		53 600	
	kNm	97,9		72,7	
80% Torsional Yield	lbf-ft	57 784		42 880	
	kNm	78,3		58,1	

CONNECTIONS DATA

Connection type		5-1/2" FH Vam Eis			
Stress Relief Grooves		NA			
Material grade		AISI-4145H (120 ksi)			
Hardbanding		Arnco-300XT			
OD x ID	inch	7,000	3,500	6,719	3,500
B.S.R.	x : 1	1,97		1,64	
Tensile yield tooljoint	lbf	1 399 900		1 036 600	
	kN	6 227		4 611	
Torsional yield tooljoint	lbf-ft	95 200		78 430	
	kNm	129,1		106,3	
Make up torque (Max.)	lbf-ft	54 300		44 700	
	kNm	73,6		60,6	

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio		1,32		1,78
Drift diameter	inch		3,375	
Type of elevator shoulder			18°	
Burst pressure	psi	17 500		16 000
	Mpa	121		110
Collapse pressure	psi	16 360		14 550
	MPa	113		100
Adjusted weight	lbs/ft		55,6	
	kg/mtr		82,7	
Approx weight each joint	lbs		1 724	
	kg		782	
Capacity	gal/ft		0,501	
	ltr/mtr		6,22	
Open end displacement	gal/ft		0,85	
	ltr/mtr		10,56	
Closed end displacement	gal/ft		1,35	
	ltr/mtr		16,78	
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-5128	20	OWS-0001 to OWS-0020