

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5-5-03

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

Premium

DESCRIPTION

Type
Range
Conventional=welded T-J. / Integral=Monoblock

80% remaining Body Wall
AISI-1340, 47.81#
2
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	

CONNECTION 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 Maximum	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		55,60		
	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 !

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-HWDP-5128	20	OWS-0001 to OWS-0020