

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5.5-11

TECHNICAL SPECIFICATIONS

5-1/2" OD Heavy-Weight Drill Pipe, 4145, 5-1/2" FH Vam Eis Conn's.

New

Premium

80% Remaining Body Wall

DESCRIPTION

Type AISI-4145, 47.81#
 Range 2
 Conventional=welded T-J. / Integral=Monoblock Integral

TUBE DATA

Material grade		AISI-4145H (110 ksi)			
Internal plastic coating		TK-34P / TC-2000			
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	1 555 100		1 188 800	
	kN	6 917		5 288	
Torsional yield pipe	lbf-ft	144 450		107 210	
	kNm	195,8		145,4	
80% Torsional Yield	lbf-ft	115 560		85 768	
	kNm	156,7		116,3	

CONNECTIONS DATA

Connection type		5-1/2" FH. Vam Eis			
Stress Relief Grooves		NA			
Material grade		AISI-4145H (110 ksi)			
Hardbanding		Arnco-300XT / TCS Titanium			
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	1 283 300		950 200	
	kN	5 708		4 227	
Torsional yield tooljoint	lbf-ft	87 270		71 900	
	kNm	118,3		97,5	
Make up torque (Max.)	lbf-ft	49 700		41 000	
	kNm	67,4		55,6	

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio		0,60		0,81	
Drift diameter	inch		3,375		
Type of elevator shoulder			18°		
Burst pressure	psi	35 000		32 000	
	Mpa	241		221	
Collapse pressure	psi	32 730		29 100	
	MPa	226		201	
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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String number:	Joints:	Individual serial numbers:
OWS-HWDP-51220	20	OWS- 22527 23473 23616 23620 23629 23636 23721 23738 23743 23751 23763 23778 23796 23797 23801 23802 23803 23810 23813 23819