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TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page **Spec. No.:** HWDP-5-5-11

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*	

CONNECTION 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 Maximum	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