

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5.5-08

TECHNICAL SPECIFICATIONS

5-1/2" OD Heavy-Weight Drill Pipe, 4145, 5-1/2" FH 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.			
Stress Relief Grooves		SRG / BB			
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	2,12		1,74	
Tensile yield tooljoint	lbf	1 464 800		1 464 800	
	kN	6 516		6 516	
Torsional yield tooljoint	lbf-ft	57 670		42 260	
	kNm	78,2		57,3	
Make up torque (Max.)	lbf-ft	32 800		24 000	
	kNm	44,5		32,5	

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio		0,40		0,54	
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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ODFJELL WELL SERVICES

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-HWDP-5125	27	OWS-160 to OWS-186
OWS-HWDP-51225	100	OWS-250 to OWS-349
OWS-HWDP-51226	100	OWS-350 to OWS-449
OWS-HWDP-51227	100	OWS-450 to OWS-605
OWS-HWDP-51228	100	OWS-606 to OWS-705
OWS-HWDP-51229	100	OWS-706 to OWS-805
OWS-HWDP-51230	100	OWS-850 to OWS-949