

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5-5-10

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

Premium

DESCRIPTION

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

80% remaining Body Wall
AISI-4145, 47.81#
2
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 kN	1 555 100 6 917		1 188 800 5 288	
Torsional yield pipe	lbf-ft kNm	144 450 195,8		107 210 145,4	
80% Torsional Yield	lbf-ft kNm	115 560 156,7		85 768 116,3	

CONNECTION DATA

Connection type		5-1/2" FH. DSTJ			
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	2,29		1,64	
Tensile yield tooljoint	lbf kN	1 464 800 6 516		950 200 4 227	
Torsional yield tooljoint	lbf-ft kNm	84 380 114,4		57 850 78,4	
Make up torque Maximum	lbf-ft kNm	59 100 80,1		40 500 54,9	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		0,58		0,79	
Drift diameter	inch		3,375		
Type of elevator shoulder:			18°		
Burst pressure	psi Mpa	35 000 241		32 000 221	
Collapse pressure	psi MPa	32 730 226		29 100 201	
Adjusted weight	lbs/ft kg/mtr		56,85 84,6		
Approx weight each joint	lbs kg		1 762 799		
Capacity	gal/ft litr/mtr		0,501 6,22		
Open end displacement	gal/ft litr/mtr		0,87 10,80		
Closed end displacement	gal/ft litr/mtr		1,37 17,03		
Built In Length (shoulder to shoulder)	ft mtr		31,0 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-51214	28	OWS-5441 to OWS-5468			
OWS-HWDP-51218	24	12862	12880	12883	12897
		14309	14401	14619	14662
		14664	14670	14672	14674
		14676	14679	14685	14689
		14948	14949	14950	14952
		14953	14954	14956	14958
OWS-HWDP-51219	41	OWS-	12427	13355	14397
		14400	14663	14668	14673
		14678	14686	15672	16242
		16297	16300	16304	16314
		16332	16341	16791	17071
		17752	17946	17976	18212
		18303	18602	18603	18605
		18607	18608	18610	18611
		18612	18614	18615	18616
		18652	18654	18655	18666
		18668	18670		