

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5-5-09

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	1,97		1,64	
Tensile yield tooljoint	lbf kN	1 464 800 6 516		1 464 800 6 516	
Torsional yield tooljoint	lbf-ft kNm	74 760 101,4		57 850 78,4	
Make up torque Maximum	lbf-ft kNm	52 300 70,9		40 500 54,9	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		0,52		0,70	
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		55,6 82,7		
Approx weight each joint	lbs kg		1 724 782		
Capacity	gal/ft ltr/mtr		0,501 6,22		
Open end displacement	gal/ft ltr/mtr		0,85 10,56		
Closed end displacement	gal/ft ltr/mtr		1,35 16,78		
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-5124	70	OS-512-08 to OS-512-159
OWS-HWDP-51213	5	90297 90298 90301 90303 90311
OWS-HWDP-51221	59	Between 15025 - 23825
OWS-HWDP-51224	30	Between 9100 - 9208