

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5-5-08

5-1/2" OD Heavy-Weight Drill Pipe, 4145, 5-1/2" FH 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.			
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 kN	1 464 800 6 516			1 464 800 6 516
Torsional yield tooljoint	lbf-ft kNm	57 670 78,2			42 260 57,3
Make up torque Maximum	lbf-ft kNm	32 800 44,5			24 000 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 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-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