

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5.5-05

TECHNICAL SPECIFICATIONS

5-1/2" OD Heavy-Weight Drill Pipe, 1340, 5-1/2" FH DSTJ Conn's.
New
Premium

80% Remaining Body Wall

DESCRIPTION

 Type AISI-1340, 40.46#
 Range 2
 Conventional=welded T-J. / Integral=Monoblock Conventional

TUBE DATA

Material grade		AISI-1340 (55 ksi)			
Internal plastic coating		NA			
Tube body OD x ID	inch	5,500	3,875	5,175	3,875
Wall thickness, nominal	inch	0,813		0,650	
Cross Sectional Area	inch ²	11,965		9,240	
Polar Sectional Modulus	inch ³	24,618		18,657	
Tensile yield pipe	lbf	658 100		508 200	
	kN	2 927		2 261	
Torsional yield pipe	lbf-ft	65 110		49 340	
	kNm	88,3		66,9	
80% Torsional Yield	lbf-ft	52 088		39 472	
	kNm	70,6		53,5	

CONNECTIONS DATA

Connection type		5-1/2" FH. DSTJ			
Stress Relief Grooves		NA			
Material grade		AISI-4145H (120 ksi)			
Hardbanding		Arnco-300XT			
OD x ID	inch	7,000	3,875	6,719	3,875
B.S.R.	x : 1	2,21		1,84	
Tensile yield tooljoint	lbf	1 337 300		1 036 600	
	kN	5 949		4 611	
Torsional yield tooljoint	lbf-ft	75 000		59 640	
	kNm	101,7		80,9	
Make up torque (Max.)	lbf-ft	52 500		41 700	
	kNm	71,2		56,5	

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio		1,15		1,52
Drift diameter	inch		3,750	
Type of elevator shoulder			18°	
Burst pressure	psi	14 220		13 000
	Mpa	98		90
Collapse pressure	psi	13 850		12 080
	MPa	95		83
Adjusted weight	lbs/ft		48,24	
	kg/mtr		71,8	
Approx weight each joint	lbs		1 495	
	kg		678	
Capacity	gal/ft		0,614	
	ltr/mtr		7,63	
Open end displacement	gal/ft		0,74	
	ltr/mtr		9,19	
Closed end displacement	gal/ft		1,35	
	ltr/mtr		16,82	
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-51222	21	107327 to 107347
OWS-HWDP-51223	33	107294 to 107326