

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5-5-01

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

Premium

80% remaining Body Wall

DESCRIPTION

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

AISI-1340, 47.81#
2
Conventional

TUBE DATA

Material grade		AISI-1340 (55 ksi)			
Internal plastic coating		TK-34P			
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	777 500		594 400	
	kN	3 458		2 644	
Torsional yield pipe	lbf-ft	72 230		53 600	
	kNm	97,9		72,7	
80% Torsional Yield	lbf-ft	57 784		42 880	
	kNm	78,3		58,1	

CONNECTION DATA

Connection type		5-1/2" FH.			
Stress Relief Grooves		SRG / BB			
Material grade		AISI-4145H (120 ksi)			
Hardbanding		Arnco-300XT			
OD x ID	inch	7,250	3,500	6,719	3,500
B.S.R.	x : 1	2,25		1,60	
Tensile yield tooljoint	lbf	1 412 600		1 036 600	
	kN	6 284		4 611	
Torsional yield tooljoint	lbf-ft	64 100		46 100	
	kNm	86,9		62,5	
Make up torque Maximum	lbf-ft	43 400		27 700	
	kNm	58,8		37,6	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		0,89		1,20	
Drift diameter	inch		3,375		
Type of elevator shoulder:			18°		
Burst pressure	psi	17 500		16 000	
	Mpa	121		110	
Collapse pressure	psi	16 360		14 550	
	MPa	113		100	
Adjusted weight	lbs/ft		56,80		
	kg/mtr		84,5		
Approx weight each joint	lbs		1 761		
	kg		799		
Capacity	gal/ft		0,501		
	ltr/mtr		6,22		
Open end displacement	gal/ft		0,87		
	ltr/mtr		10,80		
Closed end displacement	gal/ft		1,37		
	ltr/mtr		17,03		
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 !

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-HWDP-5127	50	OWS-85404 to OWS-85453