

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-6.625-01

6-5/8" OD Heavy-Weight Drill Pipe, 6-5/8" FH. Conn's.

New

Premium

DESCRIPTION

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

80% remaining Body Wall
AISI-4145H, 74.06#
2
Integral

TUBE DATA

Material grade		AISI-4145H (110 ksi)			
Internal plastic coating		TK-34P / TC-2000			
Tube body OD x ID	inch	6,625	4,000	6,100	4,000
Wall thickness, nominal	inch	1,313		1,050	
Cross Sectional Area	inch ²	21,905		16,658	
Polar Sectional Modulus	inch ³	49,506		36,327	
Tensile yield pipe	lbf	2 409 600		1 832 400	
	kN	10 718		8 151	
Torsional yield pipe	lbf-ft	261 860		192 150	
	kNm	355,0		260,5	
80% Torsional Yield	lbf-ft	209 488		153 720	
	kNm	284,0		208,4	

CONNECTION DATA

Connection type		6-5/8" FH			
Stress Relief Grooves		SRG / BB			
Material grade		4130M7 (120 ksi)			
Hardbanding		Arnc0-300XT / TCS Titanium			
OD x ID	inch	8,000	4,000	7,750	4,000
B.S.R.	x : 1	1,60		1,42	
Tensile yield tooljoint	lbf	1 556 000		1 215 900	
	kN	6 921		5 409	
Torsional yield tooljoint	lbf-ft	80 500		62 400	
	kNm	109,1		84,6	
Make up torque Maximum	lbf-ft	45 750		35 500	
	kNm	62,0		48,1	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		0,31		0,42	
Drift diameter	inch		3,875		
Type of elevator shoulder:			18°		
Burst pressure	psi	38 140		34 870	
	Mpa	263		240	
Collapse pressure	psi	34 950		31 350	
	MPa	241		216	
Adjusted weight	lbs/ft		85,5		
	kg/mtr		127,2		
Approx weight each joint	lbs		2 651		
	kg		1 202		
Capacity	gal/ft		0,656		
	ltr/mtr		8,15		
Open end displacement	gal/ft		1,31		
	ltr/mtr		16,27		
Closed end displacement	gal/ft		1,97		
	ltr/mtr		24,42		
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-6581	29	79531 to 79560
OWS-HWDP-6582	30	OWS-1 to OWS-30
OWS-HWDP-6587	24	OWS-31 to OWS-54
OWS-HWDP-6588	30	OWS-55 to OWS-84
OWS-HWDP-65810	60	OWS-85 to OWS-144
OWS-HWDP-65813	18	OWS-250 to OWS-267