

Equipment No's: Ref. Enclosed page

Spec. No.: DP-2.875-03

TECHNICAL SPECIFICATIONS
2-7/8" OD Drill Pipe, G-105, 2-7/8" HT-PAC Conn's.
New
Premium

80% Remaining Body Wall

DESCRIPTION

 Type IU, 10.4 #
 Range 2
 Conventional=welded T-J. / Integral=Monoblock Conventional

TUBE DATA

Material grade		G-105			
Internal plastic coating		None / TC2000			
Tube body OD x ID	inch	2,875	2,151	2,730	2,151
Wall thickness, nominal	inch	0,362			0,290
Cross Sectional Area	inch ²	2,858			2,220
Polar Sectional Modulus	inch ³	3,204			2,456
Tensile yield pipe	lbf	300 100			233 100
	kN	1 335			1 037
Torsional yield pipe	lbf-ft	16 180			12 400
	kNm	21,9			16,8
80% Torsional Yield	lbf-ft	12 944			9 920
	kNm	17,5			13,4

CONNECTIONS DATA

Connection type		2-7/8" HT-PAC			
Material grade		120 ksi			
Hardbanding		Arnco-100XT / None			
OD x ID	inch	3,125	1,500	2,945	1,500
B.S.R.	x : 1	NA			NA
Tensile yield tooljoint	lbf	273 000			273 000
	kN	1 214			1 214
Torsional yield tooljoint	lbf-ft	8 500			7 000
	kNm	11,5			9,5
Make up torque (Max.)	lbf-ft	5 100			4 200
	kNm	6,9			5,7

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio	=> 0.80 *	0,53		0,69
Drift diameter	inch		1,375	
Type of elevator shoulder			18°	
Burst pressure	psi	23 100		21 200
	Mpa	159		146
Collapse pressure	psi	23 100		19 900
	MPa	159		137
Adjusted weight	lbs/ft		10,4	
	kg/mtr		15,5	
Approx weight each joint	lbs		328	
	kg		149	
Capacity	gal/ft		0,184	
	ltr/mtr		2,29	
Open end displacement	gal/ft		0,16	
	ltr/mtr		1,97	
Closed end displacement	gal/ft		0,34	
	ltr/mtr		4,26	
Built In Length (shoulder to shoulder)	ft		31,5	
	mtr.		9,6	

Calculated using nominal OD & ID. Safety & Dope friction factor used: 1.0

Connection data from Grant Prideco

* API generally recommends a torsional ratio of 0.80 or larger

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

A PART OF ODFJELL DRILLING

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-2783	299	OWS-1500 to OWS-1798
OWS-DP-2784	405	OWS-1801 to OWS-2205
OWS-DP- 1801	145	OWS-A27000 to OWS-A27500
OWS-DP-2789	200	OWS-3700 to OWS-3899