

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-2.875-03

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

New

Premium

80% remaining Body Wall

DESCRIPTION

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

IU, 10.4 #
2
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	

CONNECTION DATA

Connection type	2-7/8" HT-PAC				
Material grade	120ksi				
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	' &" %%
	Mpa	&*.	&) +
Collapse pressure	psi	' (*&%%	&. : %%
	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	31,50	
	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 !

<http://www.ows.no/Legal-Notice>

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<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