

## TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-2.875-04

### 2-7/8" OD Drill Pipe, S-135, 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		S-135			
Internal plastic coating		TC-2000			
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 <sup>2</sup>	2,858		2,220	
Polar Sectional Modulus	inch <sup>3</sup>	3,204		2,456	
Tensile yield pipe	lbf <i>kN</i>	385 800 <i>1 716</i>		299 800 <i>1 334</i>	
Torsional yield pipe	lbf-ft <i>kNm</i>	20 800 <i>28,2</i>		15 950 <i>21,6</i>	
80% Torsional Yield	lbf-ft <i>kNm</i>	16 640 <i>22,6</i>		12 760 <i>17,3</i>	

#### CONNECTION DATA

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

#### OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio	=> 0.80 *	0,41		0,53	
Drift diameter	inch			1,375	
Type of elevator shoulder:				18°	
Burst pressure	psi <i>Mpa</i>	29 750 <i>205</i>		27 200 <i>188</i>	
Collapse pressure	psi <i>MPa</i>	29 700 <i>205</i>		25 600 <i>177</i>	
Adjusted weight	lbs/ft <i>kg/mtr</i>			10,4 <i>15,5</i>	
Approx weight each joint	lbs <i>kg</i>			328 <i>149</i>	
Capacity	gal/ft <i>ltr/mtr</i>			0,184 <i>2,29</i>	
Open end displacement	gal/ft <i>ltr/mtr</i>			0,160 <i>1,99</i>	
Closed end displacement	gal/ft <i>ltr/mtr</i>			0,344 <i>4,27</i>	
Built In Length (shoulder to shoulder)	ft <i>mtr.</i>			31,5 <i>9,6</i>	

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-2785	200	OWS-2300 to OWS-2499
OWS-DP-2786	300	OWS-2500 to OWS-2799
OWS-DP-2788	480	OWS-3200 to OWS-3679