

## TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5.875-04

### 5-7/8" OD Drill Pipe, S-135, XT-57 Conn's.

**New**

**Premium**

80% remaining Body Wall

**DESCRIPTION**

Type IEU, 23.40 #  
 Range 3  
 Conventional=welded T-J. / Integral=Monoblock Conventional

#### TUBE DATA

Material grade		S-135			
Internal plastic coating		TK-34P			
Tube body OD x ID	inch	5,875	5,153	5,731	5,153
Wall thickness, nominal	inch	0,361		0,289	
Cross Sectional Area	inch <sup>2</sup>	6,254		4,937	
Polar Sectional Modulus	inch <sup>3</sup>	16,251		12,793	
Tensile yield pipe	lbf	844 200		666 500	
	kN	3 755		2 965	
Torsional yield pipe	lbf-ft	105 500		83 000	
	kNm	143,0		112,5	
80% Torsional Yield	lbf-ft	84 400		66 400	
	kNm	114,4		90,0	

#### CONNECTION DATA

Connection type		XT-57			
Material grade		120ksi			
Hardbanding		Arcco-300XT			
OD x ID	inch	7,000	4,250	6,763	4,250
B.S.R.	x : 1	NA		NA	
Tensile yield tooljoint	lbf	1 200 500		1 054 200	
	kN	5 340		4 689	
Torsional yield tooljoint	lbf-ft	94 300		72 100	
	kNm	127,9		97,8	
Make up torque (Max.)	lbf-ft	56 600		50 300	
	kNm	76,7		68,2	

#### OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio	=> 0.80	0,89	1,14	
Drift diameter	inch	4,125		
Type of elevator shoulder:		18°		
Burst pressure	psi	14 500		13 270
	Mpa	100		91
Collapse pressure	psi	10 800		6 200
	MPa	74		43
Adjusted weight	lbs/ft	26,58		
	kg/mtr	39,6		
Approx weight each joint	lbs	1 175		
	kg	533		
Capacity	gal/ft	1,04		
	ltr/mtr	12,92		
Open end displacement	gal/ft	0,41		
	ltr/mtr	5,09		
Closed end displacement	gal/ft	1,45		
	ltr/mtr	18,01		
Built In Length (shoulder to shoulder)	ft	44,20		
	mtr	13,47		

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-DP-5.875-04	618	NS08151 to NS08768
	407	OWS-800 to OWS-1206