

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5.875-04

TECHNICAL SPECIFICATIONS

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 ²	6,254		4,937
Polar Sectional Modulus	inch ³	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

CONNECTIONS DATA

Connection type			XT-57	
Material grade			120 ksi	
Hardbanding			Arnco-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 (Rec.)	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 !

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<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