

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5.875-03

TECHNICAL SPECIFICATIONS

5-7/8" OD Drill Pipe, Z-140, 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			Z-140
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	875 500	691 200
	kN	3 894	3 075
Torsional yield pipe	lbf-ft	109 400	86 100
	kNm	148,3	116,7
80% Torsional Yield	lbf-ft	87 520	68 880
	kNm	118,7	93,4

CONNECTIONS DATA

Connection type			XT-57
Material grade			120 ksi
Hardbanding			Arnco-300XT
OD x ID	inch	7,000 4,250	6,566 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	43 300
	kNm	76,7	58,7

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio	=> 0.80	0,86	1,10
Drift diameter	inch		4,125
Type of elevator shoulder			18°
Burst pressure	psi	15 050	13 760
	Mpa	104	95
Collapse pressure	psi	11 000	6 300
	MPa	76	43
Adjusted weight	lbs/ft		26,15
	kg/mtr		38,9
Approx weight each joint	lbs		1 148
	kg		521
Capacity	gal/ft		1,05
	ltr/mtr		13,04
Open end displacement	gal/ft		0,40
	ltr/mtr		4,97
Closed end displacement	gal/ft		1,45
	ltr/mtr		18,01
Built In Length (shoulder to shoulder)	ft		43,90
	mtr.		13,38

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-5781	713	VIS-001 to VIS-713