

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5-05

TECHNICAL SPECIFICATIONS

5" OD Drill Pipe, S-135, NC-50 Conn's.

New
Premium

80% Remaining Body Wall

DESCRIPTION

 Type IEU, 19.5 #
 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	5,000	4,276	4,855 4,276
Wall thickness, nominal	inch	0,362		0,290
Cross Sectional Area	inch ²	5,275		4,152
Polar Sectional Modulus	inch ³	11,415		8,949
Tensile yield pipe	lbf	712 100		560 600
	kN	3 168		2 494
Torsional yield pipe	lbf-ft	74 100		58 100
	kNm	100,5		78,8
80% Torsional Yield	lbf-ft	59 280		46 480
	kNm	80,4		63,0

CONNECTIONS DATA

Connection type			NC-50 Standard	
Material grade			120ksi	
Hardbanding			TCS TI / Arnco-300 XT	
OD x ID	inch	6,625	3,250	6,313 3,250
B.S.R.	x : 1	2,43		1,97
Tensile yield tooljoint	lbf	1 249 800		1 158 300
	kN	5 559		5 152
Torsional yield tooljoint	lbf-ft	51 700		47 300
	kNm	70,1		64,1
Make up torque (Max.)	lbf-ft	31 000		28 400
	kNm	42,0		38,5

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio		0,70		0,89
Drift diameter	inch		3,125	
Type of elevator shoulder			18°	
Burst pressure	psi	17 100		15 600
	Mpa	118		108
Collapse pressure	psi	15 700		10 000
	MPa	108		69
Adjusted weight	lbs/ft		22,8	
	kg/mtr		33,9	
Approx weight each joint	lbs		1 010	
	kg		458	
Capacity	gal/ft		0,72	
	ltr/mtr		9,0	
Open end displacement	gal/ft		0,35	
	ltr/mtr		4,35	
Closed end displacement	gal/ft		1,07	
	ltr/mtr		13,34	
Built In Length (shoulder to shoulder)	ft		44,50	
	mtr.		13,6	

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-501	274	VIS-001 to VIS-274
OWS-DP-502	311	OWS-001 to OWS-311