

TECHNICAL SPECIFICATIONS

6-3/4" OD NMCS DP. (Non-Mag. Flex Collar), NC-50 Conn's.

New

Premium

80% Remaining Body Wall

DESCRIPTION

Type

Non-Magnetic

Range

2

Conventional=welded T-J. / Integral=Monoblock

Integral

TUBE DATA

Material grade		P-530 / Amagnit-501			
Internal plastic coating		N/A			
Tube body OD x ID	inch	5,000	2,813	4,563	2,813
Wall thickness, nominal	inch	1,094		0,875	
Cross Sectional Area	inch ²	13,422		10,137	
Polar Sectional Modulus	inch ³	22,087		15,957	
Tensile yield pipe	lbf	1 476 000		1 115 000	
	kN	6 566		4 960	
Torsional yield pipe	lbf-ft	116 800		84 400	
	kNm	158,4		114,4	
80% Torsional Yield	lbf-ft	93 440		67 520	
	kNm	126,7		91,5	

CONNECTIONS DATA

Connection type		NC-50 (API)			
Stress Relief Grooves		SRG / BB			
Material grade		P-530 / Amagnit-501			
Hardbanding		Inconel-625 / CastoMag-45513			
OD x ID	inch	6,750	2,813	6,313	2,813
B.S.R.	x : 1	2,37		1,78	
Tensile yield tooljoint	lbf	1 234 000		1 062 000	
	kN	5 489		4 724	
Torsional yield tooljoint	lbf-ft	51 300		43 400	
	kNm	69,6		58,8	
Make up torque (Max.)	lbf-ft	32 400		24 700	
	kNm	43,9		33,5	

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio		0,44		0,61	
Drift diameter	inch		2,688		
Type of elevator shoulder			18°		
Burst pressure	psi	42 110		38 500	
	Mpa	290		265	
Collapse pressure	psi	37 600		34 100	
	MPa	259		235	
Adjusted weight	lbs/ft		65,0		
	kg/mtr		96,8		
Approx weight each joint	lbs		2 016		
	kg		914		
Capacity	gal/ft		0,324		
	ltr/mtr		4,02		
Open end displacement	gal/ft		1,00		
	ltr/mtr		12,42		
Closed end displacement	gal/ft		1,32		
	ltr/mtr		16,44		
Built In Length (shoulder to shoulder)	ft		31,0		
	mtr.		9,45		

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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