



**TECHNICAL SPECIFICATIONS**

**4-3/4" OD NMCS DP. (Non-Mag. Flex Collar), NC-38 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	3,500	2,250	3,250	2,250
Wall thickness, nominal	inch	0,625		0,500	
Cross Sectional Area	inch <sup>2</sup>	5,645		4,320	
Polar Sectional Modulus	inch <sup>3</sup>	6,981		5,192	
Tensile yield pipe	lbf	621 000		475 000	
	<i>kN</i>	2 762		2 113	
Torsional yield pipe	lbf-ft	36 900		27 400	
	<i>kNm</i>	50,0		37,1	
80% Torsional Yield	lbf-ft	29 520		21 920	
	<i>kNm</i>	40,0		29,7	

**CONNECTIONS DATA**

Connection type	NC-38 (API)				
Stress Relief Grooves	SRG / BB				
Material grade	P-530 / Amagnit-501				
Hardbanding	Inconel-625 / CastoMag-45513				
OD x ID	inch	4,750	2,250	4,719	2,250
B.S.R.	x : 1	1,92		1,86	
Tensile yield tooljoint	lbf	556 000		530 000	
	<i>kN</i>	2 473		2 358	
Torsional yield tooljoint	lbf-ft	17 500		16 700	
	<i>kNm</i>	23,7		22,6	
Make up torque (Max.)	lbf-ft	10 000		9 500	
	<i>kNm</i>	13,6		12,9	

**OPERATIONAL DATA**

Tool-joint/Drill-pipe torsional ratio		0,47		0,64
Drift diameter	inch		2,125	
Type of elevator shoulder			18°	
Burst pressure	psi	34 380		31 430
	<i>Mpa</i>	237		217
Collapse pressure	psi	32 270		28 640
	<i>MPa</i>	222		197
Adjusted weight	lbs/ft			28,9
	<i>kg/mtr</i>			43,1
Approx weight each joint	lbs			897
	<i>kg</i>			407
Capacity	gal/ft			0,207
	<i>ltr/mtr</i>			2,57
Open end displacement	gal/ft			0,44
	<i>ltr/mtr</i>			5,46
Closed end displacement	gal/ft			0,65
	<i>ltr/mtr</i>			8,04
Built In Length (shoulder to shoulder)	ft			31,0
	<i>mtr.</i>			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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