

TECHNICAL SPECIFICATIONS

Equipment No's:

Spec. No.:

NMCS-4.750

4-3/4" OD NMCS DP. (Non-Mag. Flex Collar), NC-38 Conn's.

New

Premium

DESCRIPTION

Type

Range

Conventional=welded T-J. / Integral=Monoblock

Non-Magnetic

2

Integral

80% remaining Body Wall

TUBE DATA

Material grade		P-530 / Amagnit-501			
Internal plastic coating		NA			
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 ²	5,645		4,320	
Polar Sectional Modulus	inch ³	6,981		5,192	
Tensile yield pipe	lbf	621 000		475 000	
	kN	2 762		2 113	
Torsional yield pipe	lbf-ft	36 900		27 400	
	kNm	50,0		37,1	
80% Torsional Yield	lbf-ft	29 520		21 920	
	kNm	40,0		29,7	

CONNECTION 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	
	kN	2 473		2 358	
Torsional yield tooljoint	lbf-ft	17 500		16 700	
	kNm	23,7		22,6	
Make up torque (Max.)	lbf-ft	10 000		9 500	
	kNm	13,6		12,9	

OPERATION 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	
	Mpa	237		217	
Collapse pressure	psi	32 270		28 640	
	MPa	222		197	
Adjusted weight	lbs/ft		28,9		
	kg/mtr		43,1		
Approx weight each joint	lbs		897		
	kg		407		
Capacity	gal/ft		0,207		
	ltr/mtr		2,57		
Open end displacement	gal/ft		0,44		
	ltr/mtr		5,46		
Closed end displacement	gal/ft		0,65		
	ltr/mtr		8,04		
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 !