

## TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5-10

**5" OD TWDP. "Landing String", 110 ksi, NC-50 Conn's.**

**New**

**Premium**

80% remaining Body Wall

**DESCRIPTION**

Type 42.5 #  
 Range 2  
 Conventional=welded T-J. / Integral=Monoblock Integral

**TUBE DATA**

Material grade	AISI-4145H				
Internal plastic coating	None				
Tube body OD x ID	inch	5,000	3,000	4,600	3,000
Wall thickness, nominal	inch	1,000	0,800		
Cross Sectional Area	inch <sup>2</sup>	12,566	9,550		
Polar Sectional Modulus	inch <sup>3</sup>	21,363	15,654		
Tensile yield pipe	lbf	1 382 300	1 050 500		
	kN	6 149	4 673		
Torsional yield pipe	lbf-ft	113 000	82 800		
	kNm	153,2	112,3		
80% Torsional Yield	lbf-ft	90 400	66 240		
	kNm	122,6	89,8		

**CONNECTION DATA**

Connection type	NC-50 Standard				
Material grade	AISI-4145H				
Hardbanding	None				
OD x ID	inch	6,500	3,000	6,313	3,000
B.S.R.	x : 1	2,10	1,85		
Tensile yield tooljoint	lbf	1 269 400	1 061 800		
	kN	5 560	4 723		
Torsional yield tooljoint	lbf-ft	52 250	43 380		
	kNm	70,8	58,8		
Make up torque (Max.)	lbf-ft	29 700	24 600		
	kNm	40,3	33,4		

**OPERATION DATA**

Tool joint/Drill pipe torsional ratio	0,46		0,63	
Drift diameter	inch	2,875		
Type of elevator shoulder:	18°			
Burst pressure	psi	38 500	35 200	
	Mpa	265	243	
Collapse pressure	psi	35 200	31 607	
	MPa	243	218	
Adjusted weight	lbs/ft	49,5		
	kg/mtr	73,7		
Approx weight each joint	lbs	1 559		
	kg	707		
Capacity	gal/ft	0,37		
	ltr/mtr	4,58		
Open end displacement	gal/ft	0,76		
	ltr/mtr	9,44		
Closed end displacement	gal/ft	1,13		
	ltr/mtr	14,02		
Built In Length (shoulder to shoulder)	ft	31,5		
	mtr.	9,60		

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 !

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DPL-52	67	OWS-8198, 8199, 8200, 8201, 8202, 8203, 8205, 8206, 8207, 8211, 8214, 8215, 8220, 8224, 8225, 8226, 8228, 8229, 8230, 8232, 8233, 8238, 8240, 8242, 8248, 8494, 8508, 8512, 8515, 8517, 8521, 8663, 8667, 8683, 8688, 8689, 8690, 8691, 8692, 8693, 8695, 8696, 8697, 8698, 8702, 8703, 8705, 8706, 8708, 8710, 8711, 8713, 8718, 8719, 8721, 8722, 8728, 8734, 8738, 8739, 8740, 8741, 8742, 8743, 8745, 8748, 8748