Dahl Oilfield Services a.s.
STAVANGER – NORWAY

Technical 6.75" OD Elevator groove DC's **90 square or 18 taper shoulder**	**Unit**	**Standard** **90 Square**	**Alt 1** **18 taper**	**Alt 2** **18 taper**	**Alt 3** **18 taper**	**Alt 4** **18 taper**
Overall New Length	ft	30.63	30.63	30.63	30.63	30.63
Box tong space	in	20	20	20	20	20
Elevator Type		DC	DP	DP	DP	DP
Elevator recess OD	in	**6**	**5 7/8**	**5 1/2**	**5**	**4 1/2**
Elevator recess length	in	18	33 1/2	33 1/2	33 1/2	33 1/2
Wear pad 1	in	3	3	3	3	3
Slip recess length	in	21	39.5	39.5	39.5	39.5
Slip recess OD	in	**6 1/4**	**5 7/8**	**5 1/2**	**5**	**4 1/2**
Wear pad 2	in	12	12	12	12	12
Spiral section area	in^2	31.44	31.44	31.44	31.44	31.44
Spiral length	in	269.5	219.5	219.5	219.5	219.5
Pin tong space	in	24	40	40	40	40
Max. ID	in	2 13/16	2 13/16	2 13/16	2 13/16	2 13/16
Min. Wall thickness	in	1 10/16	1 9/16	1 6/16	1 2/16	14/16
Factor diff. stick. in hole	%	53%	50%	50%	50%	50%
Displacement	gal/ft	1.457	1.410	1.375	1.333	1.294
Capacity	gal/ft	0.32273	0.32273	0.32273	0.32273	0.32273
Closed end displacement	gal/ft	1.77962	1.73271	1.69814	1.65559	1.61710
Weight	lbf	2,934	2,840	2,770	2,684	2,607
Weight Variation from Std.	%	0%	97%	94%	91%	89%
Wt / ft	lbf/ft	95.80	92.73	90.45	87.64	85.13
Connection	API			NC 50		
OD	in			6.75		
ID	in			2.8125		
BB + SRG (NS-2)				yes		
Connection Tensile Capacity	lbf			987,913		
Connection Torsional Capacity	ft.lbf			45,966		
Make up torque (with SRG)	ft.lbf			26,117		
B.S.R (With SRFs)				2.55		
Body						
Tensile Capacity	lbf	2,110,251	1,998,737	1,678,282	1,283,875	927,031
Torsional Capacity	ft.lbf	213,491	199,531	160,970	116,819	80,195
Stiffness						
ER Area moment of inertia	in^4	60.5	55.4	41.8	27.6	17
ER Bending inertia variation from Std.	%	0%	92%	69%	46%	28%
SR Area moment of inertia	in	71.8	55.4	41.8	27.6	17
SR Bending inertia variation from Std.	%	0%	77%	58%	38%	24%
Stiffness Ratio	<3.5	1.45	1.55	1.92	2.65	3.86
Dawson Paslay Equivalent Buckling Resistance	lbf WOB	102,698	96,790	83,147	66,556	51,607
Material minimum yield strength	psi	**110,000**	**110,000**	**110,000**	**110,000**	**110,000**

Created for DOS by Fearnley Procter Norge based on information supplied to them.
API formulae used where applicable