

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 <sup>2</sup>	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
<b>Connection</b>		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				
<b>Body</b>						
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
<b>Stiffness</b>						
ER Area moment of inertia	in <sup>4</sup>	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
<b>Material minimum yield strength</b>	psi	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>

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