

Technical 8.00 " 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
Overall New Length	ft	30.58	30.58	30.58	30.58
Box tong space	in	20	20	20	20
Elevator Type		DC	DP	DP	DP
Elevator recess OD	in	7 1/4	6 5/8	5 7/8	5 1/2
Elevator recess length	in	18	33 1/2	33 1/2	33 1/2
Wear pad 1	in	3	3	3	3
Slip recess length	in	21	39.5	39.5	39.5
Slip recess OD	in	7 1/2	6 5/8	5 7/8	5 1/2
Wear pad 2	in	12	12	12	12
Spiral section area	in ²	47.52	47.52	47.52	47.52
Spiral length	in	269	219	219	219
Pin tong space	in	24	40	40	40
Max. ID	in	2 13/16	2 13/16	2 13/16	2 13/16
Min. Wall thickness	in	2.22	1.91	1.53	1.34
Factor diff. stick. in hole	%	53%	50%	50%	50%
Displacement	gal/ft	2.180	2.084	2.008	1.975
Capacity	gal/ft	0.3227	0.3227	0.3227	0.3227
Closed end displacement	gal/ft	2.5031	2.4066	2.3304	2.2981
Weight	lbf	4,391	4,175	4,011	3,942
Weight Variation from Std.	%	0%	95%	91%	90%
Wt / ft	lbf/ft	144	137	131	129
Connection					
OD	API	6 5/8" reg			
ID	in	8			
BB + SRG (NS-2)	in	2.8125			
Connection Tensile Capacity	lbf	yes			
Connection Torsional Capacity	ft.lbf	1,464,597			
Make up torque (with SRG)	ft.lbf	77,846			
B.S.R (With SRFs)	ft.lbf	44,230			
		2.604			
Body					
Tensile Capacity	lbf	3,354,509	2,752,992	1,998,737	1,678,282
Torsional Capacity	ft.lbf	386,796	299,132	199,531	160,970
Stiffness					
ER Area moment of inertia	in ⁴	132.5	94	55	41.8
ER Bending inertia variation from Std.	%	0%	71%	42%	32%
SR Area moment of inertia	in	152	94	55	41.8
SR Bending inertia variation from Std.	%	0%	62%	36%	28%
Stiffness Ratio	<3.5	1.35	1.75	2.62	3.25
Dawson Paslay Equivalent Buckling Resistance	lbf WOB	211,470	174,447	131,198	113,095
Material minimum yield strength	psi	110,000	110,000	110,000	110,000

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