

Technical 8.25" 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	30.58	30.63	30.63	30.63	30.63
Box tong space	in	20	20	20	20	20
Elevator Type		DC	DP	DP	DP (5 1/2)	DP
Elevator recess OD	in	7 1/2	6 5/8	5 7/8	5 5/8	5 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	7 3/4	6 5/8	5 7/8	5 5/8	5 1/2
Wear pad 2	in	12	12	12	12	12
Spiral section area	in ²	47.52	47.52	47.52	47.52	47.52
Spiral length	in	269	219	219	219	219
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	2.34	1.91	1.53	1.41	1.34
Factor diff. stick. in hole	%	53%	50%	50%	50%	50%
Displacement	gal/ft	2.324	2.205	2.123	2.100	2.089
Capacity	gal/ft	0.323	0.323	0.323	0.323	0.323
Closed end displacement	gal/ft	2.646	2.528	2.446	2.423	2.411
Weight	lbf	4,680	4,434	4,271	4,224	4,201
Weight Variation from Std.	%	0%	95%	91%	90%	90%
Wt / ft	lbf/ft	153.0	144.8	139.5	137.9	137.2
Connection	API	6 5/8" reg				
OD	in	8.25				
ID	in	2.8125				
BB + SRG (NS-2)		yes				
Connection Tensile Capacity	lbf	1,464,597				
Connection Torsional Capacity	ft.lbf	78,547				
Make up torque (with SRG)	ft.lbf	44,629				
B.S.R (With SRFs)		2.604				
Body						
Tensile Capacity	lbf	3,354,509	2,752,992	1,998,737	1,782,752	1,678,282
Torsional Capacity	ft.lbf	386,796	299,132	199,531	173,283	160,970
Stiffness						
ER Area moment of inertia	in ⁴	132	94	55	46	42
ER Bending inertia variation from Std.	%	0%	71%	42%	35%	32%
SR Area moment of inertia	in	152	94	55	46	42
SR Bending inertia variation from Std.	%	0%	62%	36%	30%	28%
Stiffness Ratio	<3.5	1.47	1.92	2.88	3.32	3.57
Dawson Paslay Equivalent Buckling Resistance	lbf WOB	225,027	185,373	139,571	126,619	120,373
Material minimum yield strength	psi	110,000	110,000	110,000	110,000	110,000

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