

Technical 4.75" 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
Overall New Length	ft	30.63	30.67	30.67	30.67
Box tong space	in	20	20	20	20
Elevator Type		DC	DP	DP(3 1/2)	DP
Elevator recess OD	in	<b>4 1/4</b>	<b>4</b>	<b>3 5/8</b>	<b>3 1/2</b>
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	<b>4 3/8</b>	<b>4</b>	<b>3 5/8</b>	<b>3 1/2</b>
Wear pad 2	in	12	12	12	12
Spiral section area	in <sup>2</sup>	16.83	16.83	16.83	16.83
Spiral length	in	269.5	220	220	220
Pin tong space	in	24	40	40	40
Max. ID	in	2 1/4	2 1/4	2 1/4	2 1/4
Min. Wall thickness	in	1.00	0.88	0.71	0.63
Factor diff. stick. in hole		53%	50%	50%	50%
Displacement	gal/ft	0.6761	0.6438	0.6207	0.6135
Capacity	gal/ft	0.2066	0.2066	0.2066	0.2066
Closed end displacement	gal/ft	0.8826	0.8504	0.8272	0.8200
Weight	lbf	1,362	1,298	1,252	1,237
Weight Variation from Std.	%	0%	95%	92%	91%
Wt / ft	lbf/ft	44.47	42.33	40.83	40.34
<b>Connection</b>	API			NC 38	
OD	in			4.75	
ID	in			2.25	
BB + SRG (NS-2)				yes	
Connection Tensile Capacity	lbf			456,181	
Connection Torsional Capacity	ft.lbf			16,305	
Make up torque (with SRG)	ft.lbf			9,264	
B.S.R (With SRFs)				2.12	
<b>Body</b>					
Tensile Capacity	lbf	976,626	821,680	606,869	539,961
Torsional Capacity	ft.lbf	73,460	59,812	42,127	36,922
<b>Stiffness</b>					
ER Area moment of inertia	in <sup>4</sup>	14.8	11.3	7.2	6.108
ER Bending inertia variation from Std.	%	0%	76%	49%	41%
SR Area moment of inertia	in	16.7	11.3	7.2	6.108
SR Bending inertia variation from Std.	%	0%	68%	43%	37%
Stiffness Ratio	<3.5	1.44	1.77	2.5	2.86
Dawson Paslay Equivalent Buckling Resistance	lbf WOB	29,577	25,317	19,884	18,192
<b>Material minimum yield strength</b>	psi	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>

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