

500 Float Shoe



The Davis-Lynch™ 500 float shoe features PVTS check valves which will withstand 24 hours of circulating time with 12 ppg fluid at 10 bpm, and is rated to 5,000 psi back pressure at 400°F. Since Forum's purchase of Davis-Lynch over 21,000 500 series float shoes have been run.

Applications

- Conventional cement jobs onshore and offshore

Benefits

- PDC drillable
- PVTS check valve withstands long circulation time
- High back-pressure rating at temperature

Features

- Rounded cement nose
- High quality PVTS plunger style check valve
- Manual-fill

*Options

- Double valve
- Eccentric nose
- Needle nose
- Lug nose
- Up-jets
- Auto-fill

*To be specified at time of order. Options cannot be retrofitted.

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Data for Davis-Lynch Standard Stock Float Equipment manufactured from K55, L80 or P110 grade material and threaded with API 8rd LT&C, ST&C or Buttress Connections

Nominal Casing Size (In.)	Wt. range (Lbs/Ft)	OD (In.)	ID (In.)	K55 Material		L80/N80 Material		P110 Material		Back-Pressure (psi)	Plug Bump-Pressure (psi)	Cement Nose	Eccentric Nose
				Burst (psi)	Collapse (psi)	Burst (psi)	Collapse (psi)	Burst (psi)	Collapse (psi)			Max. Set-down Weight (lbs)	Max. Set-down Weight (lbs)
4-1/2	9.5-13.5	5.000	4.031	9,330	9,630	13,570	14,000	18,650	19,250	5,000	7,500	13,000	31,000
5	11.5-21.0	5.563	4.439	9,720	9,990	14,140	14,530	19,450	19,980	5,000	7,500	15,000	37,000
5-1/2	14.0-23.0	6.050	4.950	8,750	9,090	12,730	13,220	17,500	18,180	5,000	7,500	19,000	46,000
7	20.0-38.0	7.875	6.366	9,220	9,530	13,410	13,860	18,440	19,060	5,000	7,500	32,000	76,000
7-5/8	20.0-39.0	8.500	6.969	8,670	9,010	12,610	13,110	17,340	18,030	5,000	7,500	38,000	92,000
8-5/8	24.0-44.0	9.625	8.017	8,040	8,420	11,690	12,250	16,080	16,840	5,000	7,500	50,000	121,000
9-5/8	32.3-53.5	10.625	8.921	7,720	8,110	11,230	11,800	15,440	16,200	5,000	7,500	63,000	150,000
10-3/4	32.7-55.5	11.750	10.050	6,960	7,380	10,130	10,480	13,930	13,450	5,000	6,500	79,000	190,000
11-3/4	38.0-65.0	12.750	11.000	6,610	7,030	9,610	9,570	13,210	12,150	5,000	5,500	95,000	228,000
13-3/8	48.0-72.0	14.375	12.615	5,890	5,890	8,570	7,750	11,780	9,560	5,000	5,000	125,000	300,000
16	65.0-109.0	17.000	15.250	4,950	4,290	7,210	5,350	9,910	6,150	4,000	4,000	183,000	n/a
18-5/8	87.5-117.5	19.625	17.755	4,590	3,660	6,670	4,410	9,170	4,980	3,000	3,000	248,000	n/a
20	94.0-133.0	21.000	19.125	4,300	3,160	6,250	3,680	8,590	4,290	3,000	3,000	287,000	n/a

Standard K55 stock Davis Float Equipment meets or exceeds the burst and collapse ratings of L80/N80 & P110 casing depending on casing weight

Back-pressure posted for standard PVTs back-pressure valve

All burst and collapse pressure ratings are calculated in accordance with API bulletin 5C3

Other sizes, materials and threads available upon request

Maximum set-down weight assumes even load distribution