

501DV Float Shoe

The Davis-Lynch™ 501DV float shoe features PVTs check valves and standard and non-standard cement noses. Down-jet ports improve circulation, turbulence and even distribution of fluid for well cementing applications even in challenging conditions. Since Forum's purchase of Davis-Lynch over 5,000 501DV float shoes have been run.

APPLICATIONS

- Conventional cement jobs onshore and offshore

FEATURES

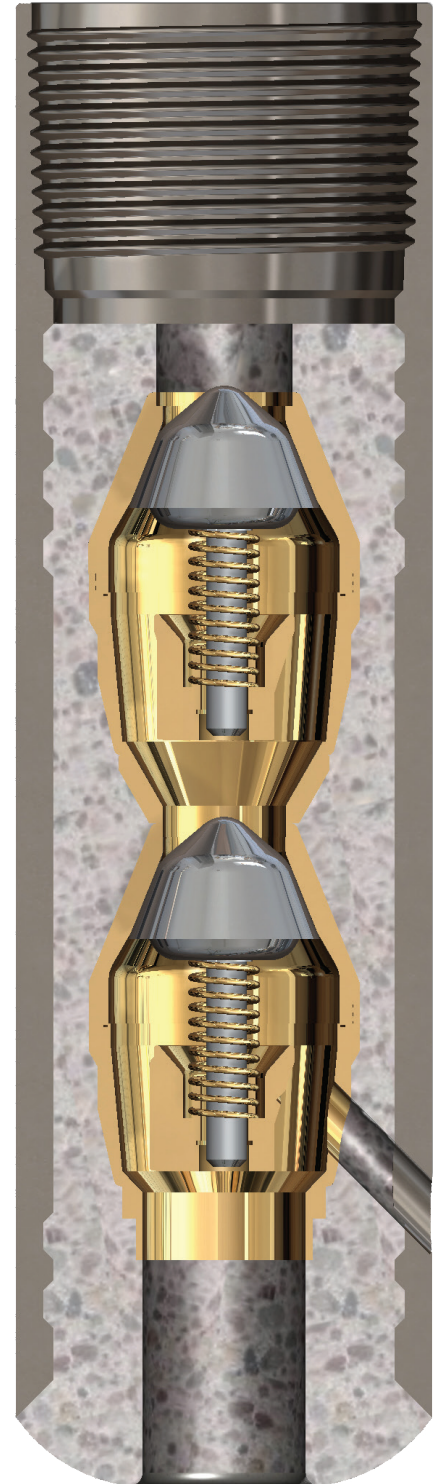
- Rounded cement nose
- Multiple down-jet ports
- Double valve design to maximize protection
- Manual-fill

OPTIONS

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

BENEFITS

- Provides more security than single valve options
- Boosts turbulence for cementing
- Improves circulation for trouble spots
- Washes casing to the bottom
- PDC drillable



501DV Float Shoe

Data for Davis-Lynch Standard Stock Float Equipment manufactured from K⁵⁵, L⁸⁰ or P¹¹⁰ grade material and threaded with API [®]rd 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 Max. Set-down Weight (lbs) | Eccentric Nose Max. Set-down Weight (lbs) |
|---------------------------|--------------------|----------|----------|--------------|----------------|-------------|----------------|---------------|----------------|---------------------|--------------------------|--|---|
| | | | | Burst (psi) | Collapse (psi) | Burst (psi) | Collapse (psi) | Burst (psi) | Collapse (psi) | | | | |
| 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