

# Commander™ Full Bore Cement Head

## 4½–6 INCH PRODUCTION CASING CEMENTING WITH ROTATION AND RECIPROICATION FOR ENHANCED CEMENT JOBS

### OVERVIEW

Today's land-based operations often utilize wellbores with significantly longer lateral sections to maximize production at a lower cost per BOE. This well design brings challenges to landing casing at planned depth and creating dependable barriers. The Halliburton Commander™ Full Bore cement head is designed specifically to help improve barrier coverage and effectiveness.

The Commander FB cement head allows for rotation and reciprocation of 4½ inch to 6 inch pipe sections, with up to 30,000 ft.-lbs\* torque and 700,000 lbs tensile. This allows for proper mud removal to ensure improved isolation and radial coverage of cement, which helps reduce the risk of channeling and annular pressure or flow.

Key enhancements have been incorporated to improve operational efficiencies and reduce risk. The ability to pre-load casing wiper plugs coupled with seamless casing wiper plug release reduces downtime during cementing and can help lower the risk of static fluids, low mobility mud, and annular bridging. Full wireless operation helps reduce risk to on-site personnel by preventing workers from being hoisted, loading plugs, and hand-torquing on active rigs. An optional lower safety valve can be run in conjunction with Commander FB cement head to save time waiting on cement, post-job.

*\*Higher torque can be achieved with optional upper adapters.*

For more information, contact your local Halliburton representative or visit us on the web at [www.halliburton.com](http://www.halliburton.com)

### FEATURES

- » Wireless Remote Control
- » Manual operation capability for contingency plug launch
- » Tattletale Plug Indicators
- » Modular large bore chamber design allows multiple chambers for plug sets
- » Quick Rig-up in as few as 30 minutes on average
- » Integrated 1502 cement swivel
- » Production Casing Adapter
- » NC50 Top Connection

### BENEFITS

- » Improved cement bonds
- » Reduced communication between frac stages
- » Lower non-productive time
- » Easier rig-to-rig migration
- » Reduced personnel risk

### APPLICATIONS

The Commander Full Bore cement head is the gold standard for delivering effective cement barriers in cost-constrained Unconventional operations, pad wells, or remote locations. Industry studies have shown that rotation during cementing can greatly improve barrier coverage and can help reduce channeling. With rotation and reciprocation capabilities delivering enhanced cement bonds, the Commander Full Bore cement head can help maximize barrier coverage, improve cement head reliability, and increase efficiency in challenging land-based operations.



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