

Wireless Controlled Cement Head

Safe and efficient well cementing



Designed to the highest standards of safety, consistency and reliability, Archer's Wireless Controlled Cement Head (WCCH) allows the controlled release of setting balls and drillpipe darts without the need to stop circulation, rotation, or break connections.

Benefits

- Fully compatible with drilling/cementing kelly and top drive systems
- No man riding
- Controlled flushing eliminates any cement residues in all areas
- Multiple operations can be completed without the need for redress
- High pump rate during washing and clean-up
- No externally mounted valves and manifolds
- Large plug holder I.D. minimizes plug wadding
- Can be stored safely in the derrick

Features

- 10 kpsi maximum operating pressure
- 1500 klbs load capacity and 50 kft/lbs torque
- Large 4 in internal diameter

Typical Applications

- Casing and liner cementing
- Expandable screen deployment
- Perforating and squeezing cement
- Cement injection

Specifications

Tool size	2 valve	3 valve
Nominal OD, in [mm]	13 [330]	13 [330]
Minimal OD, in [mm]	4 [102]	4 [102]
OAL, in [mm]	98.74 [2508]	130.61 [3,317]
Rated torque, ft lbs [N.m]	50,000 [67,91]	50,000 [67,91]
Max. Hook load, lbs [kg]	1,594,000 [723,026]	1,594,000 [723,026]
Max. Hook load at rated torque, lbs [kg]	1,496,000 [678,574]	1,496,000 [678,574]
Working pressure, psi [bar]	10,000 [689]	10,000 [689]
Test pressure, psi [bar]	15,000 [1,034]	15,000 [1,034]
Chamber sizes, psi [bar]	15 [381] 25 [635]	15 [381] 24 [610] 25 [635]
Make-up torque, ft lbs [N.m]	Upper connection Lower connection	50,000 [67,91] 50,000 [67,91]

Specifications may be subject to change.