

MAXIMUS

Completion Systems



LINER HANGER SYSTEMS

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MAGNUS TOP DRIVE CEMENTING HEAD

TECH UNIT No.	277
MODEL	MTDCH
DATE	06/01/2018
REV.	00

LINER HANGER SYSTEMS TECHNICAL UNIT

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MAGNUS TOP DRIVE CEMENTING HEAD

Approved by: Jogendra Singh

DESCRIPTION :

Magnus top-drive cementing head (MTDCH) allows release of setting balls and drillpipe darts without breaking the connection in the running string. The MTDCH is pre-loaded with the setting ball, drillpipe dart(s), or full-length wiper plugs (FLWPs) and can be racked in the derrick for easy access. The well can be circulated through the MTDCH via a top drive or cement unit with the ball and dart(s) loaded. When circulating through the side bore and/or bypassing dart(s), the maximum pump rate is 15 bbl/min. When pumping through the main bore, after plugs have been released and bypass valves are closed, the maximum allowable rate is 30 bbl/min. The ball and dart(s) can be released by the clearly identified wheels on the MTDCH.

APPLICATIONS:

- Running any liner, with or without top drive
- Launching darts and balls related to Sub-Surface Release cementing plugs

FEATURES AND BENEFITS:

- High tensile, torque, and pressure ratings enable the MTDCH to withstand conditions that other heads cannot.
- The MTDCH allows circulation through the top drive and/or cement line, even when fully loaded, simplifying operations and saving rig time while the head is being used.
- The integral swivel facilitates rotation of the drillstring during cementing operations, resulting in a better cement bond.
- Size availability : 3-1/2" to 6-5/8".

