

CHIMERA Heli-Mag*

Wellbore clean-up magnet for all downhole conditions.

APPLICATIONS

- Pre-completion wellbore clean-up
- Workovers and sidetracking
- Abandonment
- Drilling/milling cement plugs

BENEFITS

- A properly executed wellbore clean-up mitigates risk during completion operations and the productivity of the well.
- Prevent metal debris related completion failure.
- Remove swarf, perforation debris and other metal debris from the wellbore.

FEATURES

- 16 rows of magnets arranged to trap and retain debris in the wellbore.
- Helically twisted body provides offset for magnets to increase effective area.
- Centralizers provide centralization and rotation of the tool body without casing wear.
- Non rotating design with high performance alloy bronze bearings compatible with high temperature and chemical applications.
- Available with all API and premium drill pipe connections.

Heavy duty wellbore clean-up magnet

CHIMERA Heli-Mag is a heavy duty wellbore clean-up magnet suitable for all downhole conditions and with robust, high performance features.

Run separately or as part of a comprehensive wellbore clean-up, the CHIMERA Heli-Mag is designed to capture ferrous metal debris in the wellbore.

The magnetic inserts are arranged along ribs to create a debris trap, by encouraging fluid flow between the ribs, maximizing magnet exposure. The magnetic inserts are securely held in tongued grooves and cannot come loose downhole.

Non-rotating sleeves are mounted on alloy bronze bearings, featuring both axial and radial elements, to allow extended rotation in harsh environments, preventing tool and casing wear.

Operational Capabilities

The CHIMERA Heli-Mag can be run alone or as part of a comprehensive wellbore clean-up BHA. It is typically run in a BHA above a casing scraper and brushes as it complements the hard scraping/brushing action to remove ferrous debris from the wellbore.

The CHIMERA Heli-Mag is centered in the casing by two non-rotating Centralizers. These guide and centralize the tool, which allows extended rotation without wearing the casing.

While running in the hole or circulating, the well fluid passes along channels between the magnetized ribs capturing ferrous debris. The ribs also prevent debris from being knocked off while circulating or tripping.

The robust tool design, non-rotating centralizers and large debris capacity allow milling of packers, or clean-up of casing windows, to be simple and efficient.

Once at surface the magnets can be easily cleaned to allow the tool to be re-run.



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CHIMERA Heli-Mag Specifications

Dimensional Data

Nominal OD, in.	7.00	9.625
	23.0 - 29.0	53.5 - 64.9
Weight, ppf	32.0 - 38.0	47.0 - 53.5
		36.0 - 43.5
Connection	NC 38	NC 50
	6.054	8.120
Centralizer OD, in.	5.790	8.374
		8.594
Magnet Debris Capacity (lbs)	211	279
ID, in.	1.750	3.000
Length, in.	203	203

Performance Data

Nominal OD, in.	7.00	9.625
Tensile Yield†, lbs	523,200	927,000
Torsional Yield†, ft.lbs	28,600	59,800
Max Slack-Off, lbs	10,000	20,000
Burst / Collapse, psi	>10,000	>10,000
Rotation Max, rpm	120	120

Specifications are for marketing purposes only and may be subject to change.
No warranties implied.

†Quoted value does not take external connections into consideration



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