

INTRODUCTION

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.

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

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

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APPLICATIONS

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

OPERATIONAL

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.



| DIMENSIONAL DATA | | | | | | |
|------------------|---|------------|-------------------------|------------------------------|---------|-------------|
| Nominal OD(in) | Weight (ppf) | Connection | Centralizer OD (in) | Magnet Debris Capacity (lbs) | ID (in) | Length (in) |
| 7.000 | 23.0 – 29.0 32.0 – 38.0 | NC 38 | 6.054 5.790 | 55 | 1.750 | 204 |
| 9.625 | 53.5 – 64.9 47.0 – 53.5 36.0 – 43.5 | NC 50 | 8.120 8.374 8.594 | 180 | 3.000 | 200 |

| PERFORMANCE DATA | | | | | |
|------------------|----------------------|---------------------------|---------------------|------------------------|--------------------|
| Nominal OD(in) | Tensile Yield† (lbs) | Torsional Yield† (ft.lbs) | Max Slack-Off (lbs) | Burst / Collapse (psi) | Rotation Max (rpm) |
| 7.000 | 523,200 | 28,600 | 10,000 | >10,000 | 120 |
| 9.625 | 927,000 | 59,800 | 20,000 | | 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.*