

INTRODUCTION

The CHIMERA™ Brush is a heavy duty wellbore clean-up brush suitable for all downhole conditions with robust, high performance features.

Run separately or as part of a comprehensive wellbore clean-up, the CHIMERA Brush™ is designed to effectively scrub cement and other debris from the casing wall through reciprocation.

The brush segments are arranged to allow unhindered fluid bypass while circulating through clearly defined flow paths. The brush segments are securely held in dove-tail grooves and cannot come loose downhole.

The alloy bronze bearings feature both axial and radial elements to allow extended rotation in harsh environments, preventing tool and casing wear.

FEATURES

- Stainless steel crimped wire brushes to safely scrub the casing wall to remove residual cement, scale and other debris
- Centralizers provide centralization and allow 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 debris related premature packer setting while RIH
- Prepare casing wall to ensure packer element sets and mitigate premature elastomer failure
- Assists in chemical cleaning action

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APPLICATIONS

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

OPERATIONAL

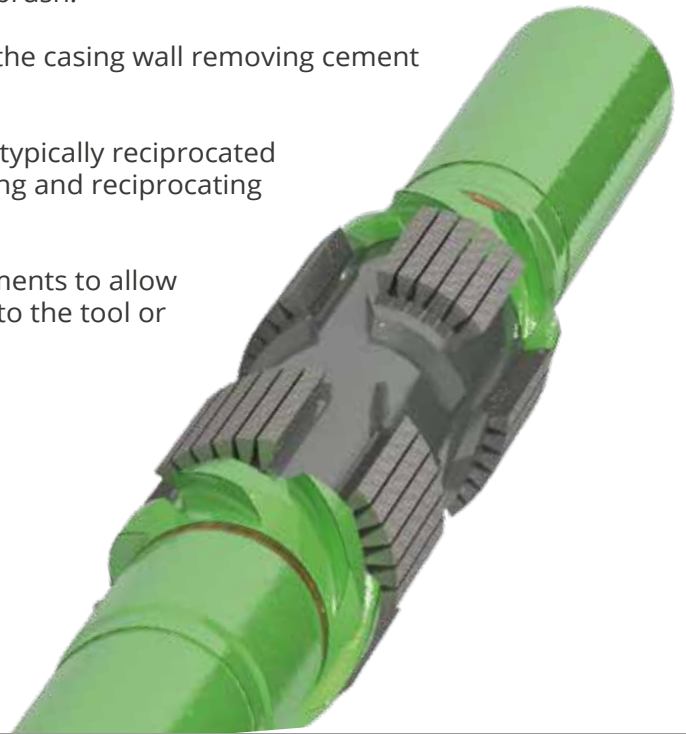
The CHIMERA™ Brush is typically run in a BHA above a casing scraper as it complements the hard scraping action with a robust scrubbing action targeting residual cement, rust, scale, mud cake or other debris.

As the CHIMERA™ Brush enters the casing, the leading Centralizer guides and centralizes the tool. The brush segments flex as they are squeezed into the casing acting as self-sprung components. The brush segments are arranged into tightly packed blocks to prevent brush wear and allow sufficient bypass of fluid without packing off around the brush.

While running in the hole the CHIMERA™ Brush brushes the casing wall removing cement and other hard debris.

Once at the packer setting depth the CHIMERA™ Brush is typically reciprocated three or more times across the critical depth while rotating and reciprocating the string.

The bronze alloy bearings have both axial and radial elements to allow extended rotation of the string without damage or wear to the tool or the casing.



DIMENSIONAL DATA						
Nominal OD(in)	Weight (ppf)	Connection	Centralizer OD (in)	Brush OD (in)	ID (in)	Length (in)
7.000	23.0 – 29.0 32.0 – 38.0	NC 38	6.054 5.790	6.754 6.490	1.500	101.4
9.625	53.5 – 64.9 47.0 – 53.5 36.0 – 43.5	NC 50	8.120 8.374 8.594	8.820 9.075 9.325	2.500	103.8

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		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.*