

CHIMERA Cerberus™



INTRODUCTION

The CHIMERA Cerberus™ takes its name from the mythical 3-headed guardian of the gates of hell. The CHIMERA Cerberus™ three heads consist of the Uni-Blade™ Scraper, CHIMERA Brush™ and NR-MAG™ Magnet working in unison to safe-guard your completion.

The Uni-Blade™ scraper cage flexes like a spring, to conform to the casing internal surface, to mechanically remove cement hard debris from the casing.

The CHIMERA Brush™ follows the Uni-Blade™ to polish and scour the casing walls to remove rust and fine debris.

The NR-MAG™ Magnet captures and retains metal debris for removal at surface. The alloy bronze bearings feature both axial and radial elements to allow extended rotation in harsh environments, preventing tool and casing wear.

FEATURES

- Solid state scraper cage manufactured from a single billet without the need for springs, bolts or pads
- Stainless steel crimped wire brushes to safely scrub the casing wall to remove residual cement, scale and other debris
- NR-MAG™ non-rotating ribbed magnet sleeve maximizes attraction and prevents debris fall-off
- Non rotating design with high performance alloy bronze bearings compatible with high temperature and chemical applications
- Optional integral string mill with crushed carbide blades to remove cement
- Available with all API and premium drill pipe connections

BENEFITS

- Uncompromised triple action cleaning on a single mandrel reduces rig handling time and expense
- A properly executed wellbore clean-up mitigates risk during completion operations and the productivity of the well.

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APPLICATIONS

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

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OPERATIONAL

The CHIMERA Cerberus™ reduces handing time on the rig. The integral scraper, brush and magnet can be further complimented by a CHIMERA™ Well Praetorian or circulating device.

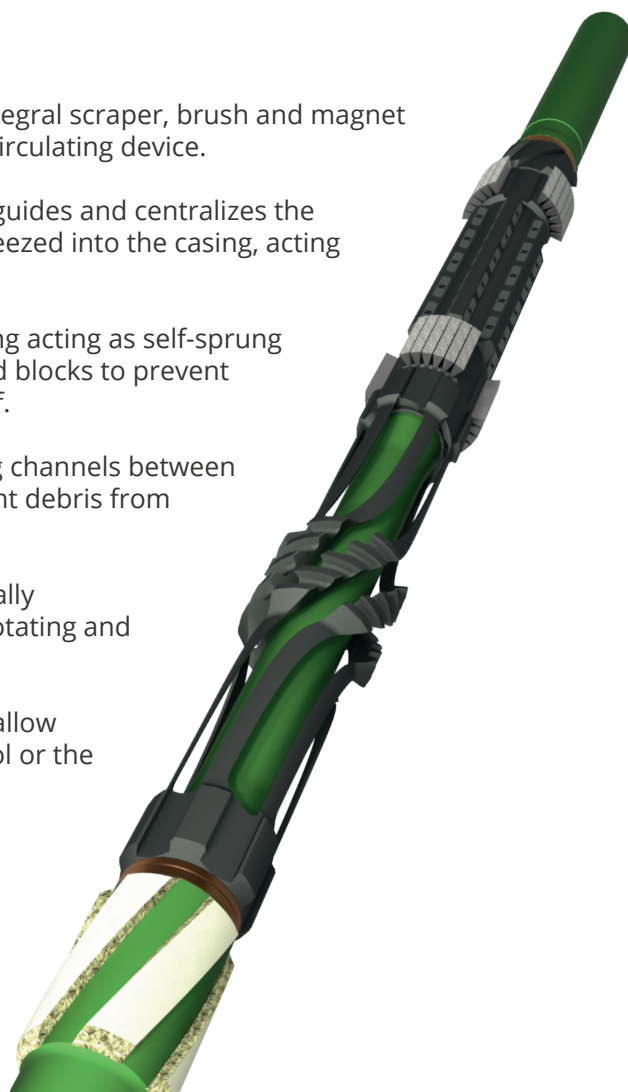
As the Scraper Cage enters the casing and the leading centralizer guides and centralizes the tool, the leading edge of the Scraper Cage compresses as it is squeezed into the casing, acting as a self-sprung solid state component.

The brush segments compress 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.

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.

Once at the packer setting depth the CHIMERA Cerberus™ 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.



TECHNICAL SPECIFICATIONS*

Nominal OD (in.)	Weight (ppf.)	Connection	Centralizer OD (in.)	Brush OD (in.)	ID (in.)	Length (in.)	Tensile Yield† (lbs.)	Torsional Yield† (ft.lbs.)	Max Slack-Off (lbs.)	Burst/Collapse (psi.)	Max Rotation (rpm.)
7.000	23.0 – 29.0 32.0 – 38.0	NC 38	6.054 5.790	6.754 6.490	1.50	135.4	523,200	28,600	10,000	>10,000	120
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	2.50	137.5	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.

For further information please visit
www.reactivetools.com