

RAZOR BACK with Integral Top Dress Mill (RBTDM)

Specialized Tools: Casing Cleaning Tools

The RAZOR BACK* (Casing Cleanup Tool) with Integral Top Dress Mill (RBTDM) tool from M-I SWACO ensures that the casing is scraped to a point very close to the top of the liner so that subsequently installed liner-top tieback packers will be set and sealed in a clean, properly prepared section of casing.

Applications

This tool is designed as a mechanical aid for cleaning wellbore casings and dressing liner-top Polished-Bore Receptacles (PBRs). The tool is HTHP-compatible and not vulnerable to chemical or acid attack. It can be run as a standalone device or in conjunction with circulating tools, BRISTLE BACK* units and chemical cleaning agents. The RAZOR BACK unit is very robust and effective in removing mud solids, heavy cement sheath, heavy pipe scale and perforation burrs from the casing ID, in addition to dressing off the liner-top PBR.

How it works

The RAZOR BACK device consists of a one-piece body, a non-rotating stabilizer sleeve, a non-rotating scraping bladed lantern, and an integral liner-top dress mill. The body rotates through the upper stabilizer sleeve to avoid wear/damage to the casing during pipe rotation. The bladed lantern is strong and flexible and provides the force to contact and clean 360° of the pipe ID. The lantern is self-centralizing inside the pipe to ensure equal cleaning force at all angles of inclination. No clamps, bolts, threaded rings, springs or multiple scraper blocks that may be lost downhole are used in tool construction.

Features

- Secure components
- Self-centralizing, flexible-blade lantern
- Available in all common casing-liner sizes; complete with top dress mill for all common PBR sizes
- Supplied with drill-pipe box-up/pin-down connections

Advantages

- Removes cement and mud solids, burrs, pipe scale
- Enhances chemical cleaning action
- Scrapes casing very close to the liner top

