

## Well Intervention

# Propellant downward ablation tool

## APPLICATIONS

- Penetrating wellbore obstructions to restore access
- Creating flow paths for pressure equalization and circulation
- Cement placement during plug and abandonment (P&A)
- Pipe recovery and intervention in restricted environments

## FEATURES

- Penetrates up to 4 in. of total target thickness
- Shock-free operation protects sensitive electronics
- Compatible with RF-safe and addressable igniters
- Supports tubing-conveyed and e-line deployment

## BENEFITS

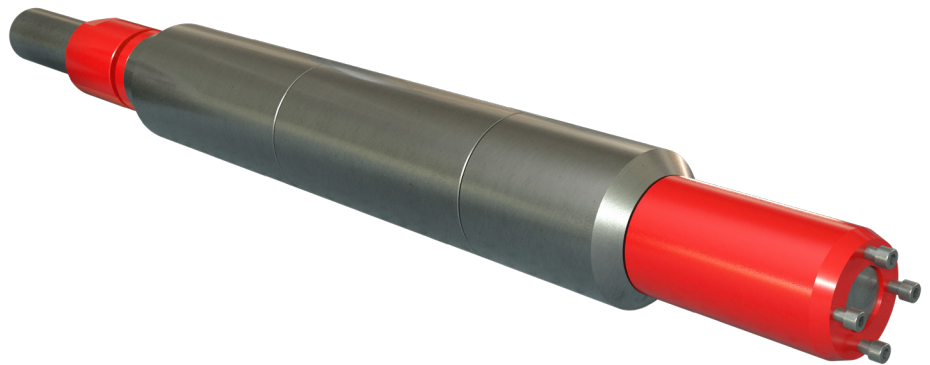
- Prevents shock-induced tool failures
- Slim profile enables access through tight restrictions
- Scalable design adapts to diverse wellbore conditions
- Conveyance: wireline, slickline, tractor, and tubing

## Overview

Obstructions in the wellbore can delay operations, restrict access, and compromise flow paths, especially during plug and abandonment, pipe recovery, or intervention activities. The Halliburton propellant downward ablation tool is engineered to penetrate these obstacles with precision and reliability to restore access and enable pressure equalization, fluid circulation, and cement placement.

The tool uses a solid-propellant, non-detonating (deflagrating) reaction that focuses combustion gases downward through a specialized nozzle to ablate the target with high-velocity energy. This shock-free design eliminates detonation effects associated with high-explosive tools. It is safe to use with sensitive electronics and other downhole technologies in a single run.

Available in a range of sizes tailored to downhole conditions and target thickness, the propellant downward ablation tool is compatible with RF-safe and addressable electronic igniters, as well as pressure-actuated firing heads for tubing-conveyed operations. Its slim, scalable design supports access through restrictions and enables customized performance across a wide variety of well conditions.



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