DATA SHEET

HALLIBURTON

Well Intervention
Powered Mechanical Services

FEATURES

Sever TEC or flatpacks on the backside of pipe

- Flare-free, machine-shop cut using CNC indexed splitting blade
- Blade extends to 8.134 in. to cut offset TEC cable
- Surface readout to monitor cut performance
- Sweep and petal cut options can be performed on-the-fly with the tool downhole
- Hepta or mono cable deployment

BENEFITS

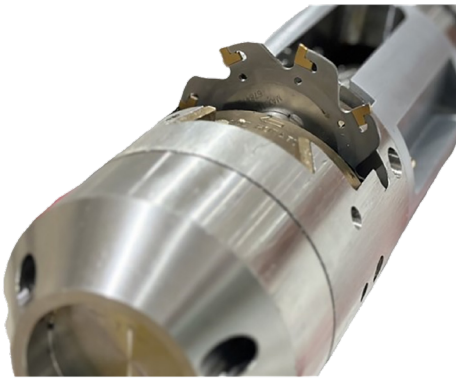
- 350°F (177°C) and 20,000 psi (138 MPa)
- No dangerous goods or explosive escort requirement
- 350°F (177°C) and 20,000 psi (138 MPa)
- Severs all API 5 CRA tubular, including SM2535-125, 718, Inconel, and GRE
- Two head sizes and three anchor setups available
- Multiple cuts in single deployment
- Can run on third-party e-line unit
- Combinable with the Halliburton Freepoint Tool (HFPT)

ClearCut® RB cutter

Electromechanical rotary-blade cutter to sever flatpacks in pipe from 4 1/2 to 7 3/4 in.

Overview

The ClearCut® RB cutter uses the most advanced electromechanical cutting technology to sever tubing encapsulated cables (TEC) or flatpacks on the back of tubing or casing in a well. These cables can be single Inconel tubes or multi-configuration electrical cables and Inconel tubes that support downhole sensors, electrical power, fiber optics, hydraulics, and chemical injection. The cables are encapsuled in a protective rectangle polyimide or similar sleeve to resist the aggressive downhole environment and are held in place with a clamp at each pipe joint. It is not uncommon for a well to contain two to five multi-pack flatpacks, and the cables must be cut before the pipe is fully severed.



ClearCut® RB cutter

The tool design includes a high-efficiency brushless motor and bespoke controller with customized anchor setups. An indexed splitting blade from the machine tool industry is used to ensure the cutting inserts are not dulled prematurely when API 5 CRA (corrosion resistant alloys) pipe is severed, including 37% nickel and 27% chromium SM2535-125. The tool can pivot downhole from the traditional sweeping 360° cutting motion to a 45° petal or slot cut for pipe compression or high-nickel-alloy scenarios.

The platform supports 3.625- and 4.85-in. cutting heads to provide industry-leading blade extension at 8.134 in. with 1.15-in. thickness. The latter measurement determines how offset the flatpack can be from the pipe OD and still be successfully severed.

The RB cutter can be run in combination with the Halliburton Freepoint Tool (HFPT) to perform multiple cuts in a single downhole deployment.

This tool has no dangerous goods associated with the services and no requirement for an explosive escort. This helps facilitate efficient intervention with reduced HSE risk.

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ClearCut® RB e-line electromechanical cutter specifications

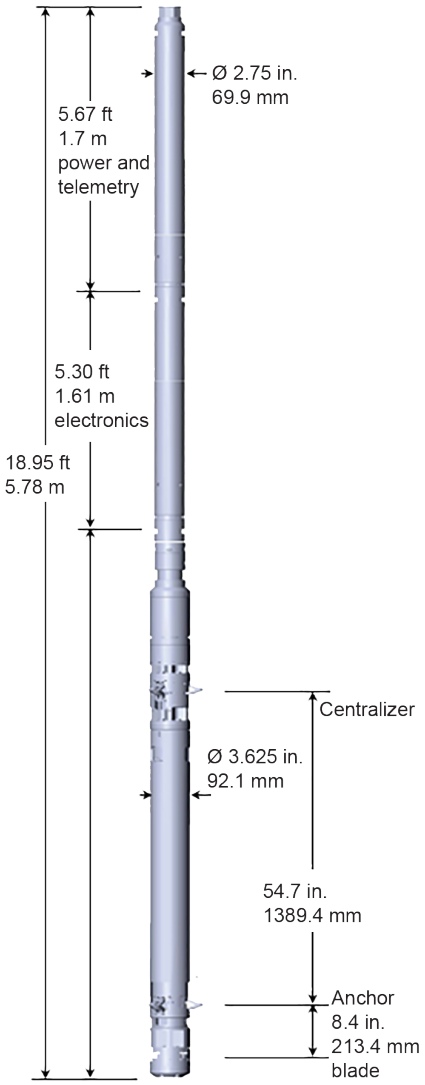
Tool outside diameter	3.625 in. (82.6 mm)
Maximum temperature*	350°F (177°C)
Maximum pressure**	20,000 psi (138 MPa)
3.625-in. Head cutting range	3.75 to 7.341-in. thickness 0.984 in.
4.85-in. Head cutting range	4.95 to 8.134-in. thickness 1.15 in.
Minimum ID restriction	3.70 in. (94.0 mm)
Maximum pipe OD	7.75 in. (199.9 mm)
Tension	60,000 lbf (266,893 N)
Compression	50,000 lbf (222,411 N)
Tool weight	400 lb (181.4 kg)
Power and wireline	DC, hepta, mono, and coated cable

*400°F flask option available upon request
** 30,000-psi option available upon request

9 5/8-in. cuts with 5 1/2-in. head

7-in. cut with 0.5-in. offset TEC cable

Indexed splitting blade with tang-grip cutting inserts



For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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