

EZ CUTTER

Downhole Electrochemical Casing Cutter



MAINS:

Run on e-line, the EZ CUTTER instrument is the ultimate cutting technology that enables clean and perfectly controlled cuts without using explosives, chemicals or other expensive Work-Over alternatives. Simplifying transportation, logistics and safety issues, EZ CUTTER can now be deployed on any logging unit. Its only significant requirement is conductive fluid in the well, like brine or sea water.

Changing the position of leaching strings when developing salt caverns or re-accessing underground works with bent/collapsed pipes are often delicate and costly combined operations. The availability of a small size instrument able to cut both inner and outer pipes already proved to be of great interest in many configurations.

Before running EZ CUTTER, an EXPLORER run is always recommended to confirm the completion, to evaluate the best position to cut and to avoid risks.

After anchoring the instrument inside the casing, a quick operation to remove rust and scale deposits is initiated before supplying the electrodes with power. A controlled groove starts and deepens with time until the first perforated zone is identified. A penetration regulator then avoids the electrodes to be stuck before the end of the cut.

Latest improvements concern the duration that is now reduced, a DSCL to correlate depth and to confirm the cut, an accelerometer to know the exact time the cut is complete, higher P & T° capabilities and the connection on any standard mono-conductor cased hole logging unit.

At last, the combination EZ CUTTER – SONAR within the "Cavity Suite" is of significant interest when it comes to save time and to reduce global mobilization cost.

APPLICATIONS

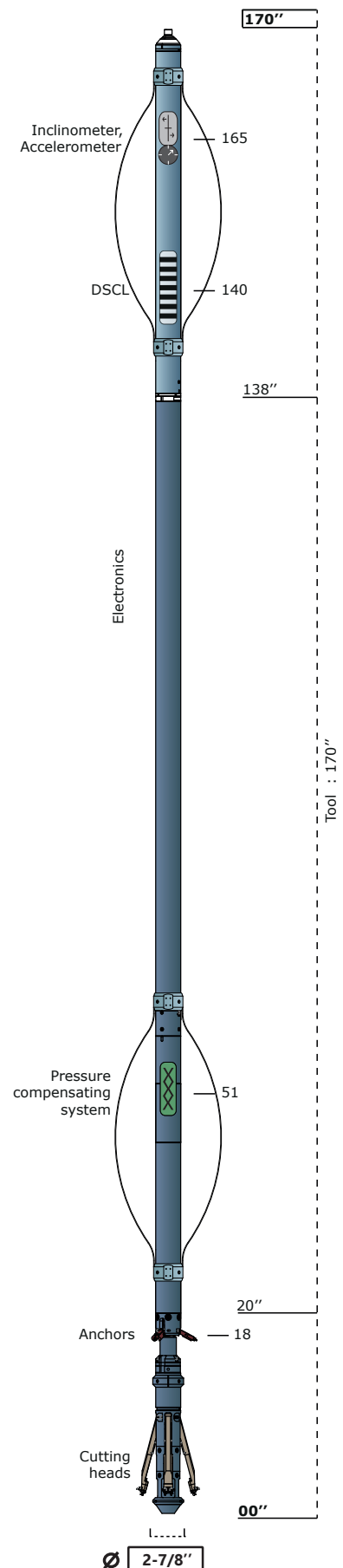
- Changing position of leaching strings
- Combination Work-over - Cavity Survey
- Light work-over operations
- Standard casing cut
- Plugging and abandonment

SPECIAL FEATURES

- No incidence on HSE
- Accommodates deformed or ovoid pipes
- Allows subsequent wireline operations
- Accommodates pipes in compression
- Cuts inner casing without altering outer casing
- Larger range of diameters from a single instrument
- Can be lowered in a small tube to cut a bigger one
- Large range of casing chemical composition



Unique clean cut

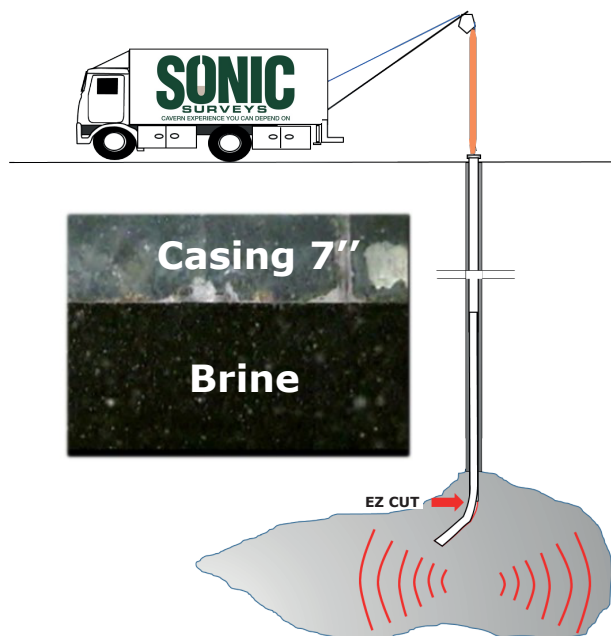


Max OD with Centralizers: 3-1/4"



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Solution -->



**CLEAN
SHARP
PRECISE**



Satisfaction -->



SPECIFICATIONS:

	imperial	metric
Max. OD	2" 7/8	73 mm
Length	14.1 ft	4.31 m
Weight	106.5 lbs	48.3 kg
Max. Temperature	200 °F	94 °C
Max. Pressure	10 kpsi	690 bar
Sensors	Dual String collar locator - Accelerometer - Inclinator	
Range	4" 1/2 - 10" 3/4	114 - 273 mm
Max. pipe thickness	1/2"	12 mm
Min. Drift	3" 1/4	82 mm
Fluid in well	Conductive (at least see water)	
Tool positioning	Centered and anchored	