

Electronically Timed Cutters

Expro's electronically timed cutters are used to cut lines in deviated wells where a drop bar may not impact firing pin hard enough to detonate the propellant charge. It is also used in wells where falling sand, heavy mud, or kinks that might prevent the drop bar from hitting and firing the cutter.

The sand line cutter is designed to allow the recovery of wireline, slickline, and electric line when the instrument is stuck in the hole and pulling out of the rope socket may not be possible. It will cut stuck lines or cables in almost any size of pipe from coiled tubing to casing and any size line from slickline to 1 1/8" diameter anchor lines.

Many experienced operators drop a sand line cutter instead of trying to pull the line out of the rope socket or cable head. The line is cut mechanically by a small cutting blade driven by a contained explosive force initiated by either a drop bar or electronic device.

Applications

- Cuts swab lines, electric lines, slick lines, control lines, guide lines, drilling lines and anchor lines

Benefits

- Save money – the cost of the cutting job will be offset by the value of the saved line
- Designed to save a fishing trip allowing easier retrieval of the cutter
- Enables cuts as deep as 29,000 feet
- The sand line cutter can cut control lines, guide lines, drilling lines and power cables
- Saves you time – more cost efficient than a parting line

Features

- Present electronic time-delay
- Voltage source
- Colour coded
- Simplifies identification and helps prevent mistakes
- Six alkaline batteries



Technical specifications

Complete sand line cutters		
Item no.	Part #	Description
503000-0002	20440-1	Partitioned timer assembly
520000 & 503000-0002	06158 & 20440-1	Sophomore w/ partitioned timer (SO series) For 1.900" OD x 1.610" ID Tubing For 2 3/8" OD x 1.995" ID & larger tubing (w/sleeve) Line Size: Slickline thru 1/2"
530000	06319	Junior(SJ series) For 2 1/6" OD x 1.751" ID tubing only (No sleeve used) Line Size: 9/16" only
540000 & 503000-0002	05169 & 20440-1	Regular w/partitioned timer (SC series) For 2 3/8" OD x 1.995" ID tubing For 2 7/8" OD x 2.441" ID & larger tubing (w/Sleeve) Line Size: Slickline thru 5/8"
550000 & 503000-0002	06593 & 20440-1	Senior w/partioned timer (SS series) For 2 7/8" OD x 2.442" ID tubing For 3 1/2" OD x 2.992" ID & larger tubing (w/sleeve) Line Size: 3/16" thru 7/8"
560000	05888	Bachelor (Lawyer) (DC #1) For 4" OD x 3.476" ID tubing For 5" OD x 4.494" ID & larger casing Line Size: 1/2" thru 1 1/8"