Well Intervention

Production optimisation



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 were 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

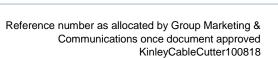
Benefits

- 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





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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 ½" |
| 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: ½" thru 1 ½" |