



ENGINEERING INNOVATION
WORLDWIDE

TIW[®] CTO

Casing-Tubing Opener



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The CTO Casing-Tubing Opener is a proven tool for opening collapsed areas in a casing or tubing string. It is deployed on a work string of drill pipe or tubing and is hydraulically activated. This multi-piston hydraulic power tool and anchoring system provide a means to generate significant force at the collapse and drive a coned anvil through the collapse section, opening up the collapsed area and allowing service tools to pass through.

Simple Operation:

1. The CTO Tool is run in the well until the anvil reaches the top of the collapsed system.
2. The Anchor is set with right hand rotation.
3. A ball is dropped from surface to a seat in the CTO tool and pressure is applied to activate the power section and begin the initial stroke. The power section drives the anvil through the collapsed section.
4. After each stroke a straight pull releases the anchor and resets the anchor to the run in position.
5. Then slack off to close the stroke in the power section and reset the anchor. Once the anchor is reset apply pressure to continue with the next stroke of the tool.
6. Continue this operation until the entire length of the collapsed section has been opened.

Contact your TIW Representative for more information on the CTO Casing-Tubing Opener.

