

ONE-REV INTERNAL TUBE CUTTER



Puncturing the tube interior before installing tube plugs in heat exchangers, boilers, or condensers is a critical safety step. Without it, internal pressure can build up and eject the plug — putting personnel, equipment, and surrounding property at serious risk.

USA Industries' One-Rev Internal Tube Cutters make this step fast and straightforward. Designed for hand operation, the One-Rev pairs with any properly sized wrench, pliers, or ratchet that fits the tool's drive shank — no power tools or specialized equipment required.

M-HETX-1REV-TC-1.6.1

PRODUCT FEATURES

- **TUBE SIZES** — Compatible with 1/2" through 2-1/2" tubes in all gauges
- **Standard Reach** — 10" standard; extended reaches available upon request
- **CUTTING BITS** — Manufactured from high-grade hardened tool steel for maximum edge retention
- **CUTTER COMPATIBILITY** — Fits 1/2" through 2-1/2" tube cutters
- **INTERCHANGEABILITY** — Directly interchangeable with Airetool bits

OPERATING PROCEDURES

TO PUNCTURE THE TUBE

1. **SET THE DEPTH STOP.** Measure the tubesheet thickness and add 1–2 inches. Tighten the Depth Stop at this measurement to prevent the Cutting Bit from contacting the tubesheet during operation.
2. **INSERT THE ONE-REV.** With the Cutting Bit retracted, insert the shaft into the tube until the Depth Stop seats firmly against the front wall of the tubesheet.
3. **ENGAGE THE CUTTING BIT.** Attach a properly sized wrench to the Drive Shank. Turn clockwise slowly until the Cutting Bit extends from the shaft and contacts the inside tube wall.
4. **PIERCE THE TUBE.** Continue turning the Drive Shank ¼ turn clockwise to puncture the tube wall.

TO SEVER THE TUBE COMPLETELY

5. **COMPLETE THE CUT.** Continue turning the Drive Shank one full revolution clockwise to cut through the tube.
6. **RETRACT THE CUTTING BIT.** Turn the Drive Shank slightly counterclockwise to retract the Cutting Bit back into the shaft.
7. **REMOVE THE TOOL.** Pull the shaft straight back to withdraw the One-Rev from the tube.

To remove tubes and stubs, see our tube pulling equipment online or in our catalog. Products include:



Rhino Jr. Hydraulic
Spear Tube Puller

Rhino Jr. Pine Jenny
Hollow Core
Tube Puller

ORDER PRODUCT NUMBER BY THE FOLLOWING:

For Complete Cutter: OR-T-(Tube O.D.)-(Tube Gauge)

Example: OR-T-0750-14

For Cutter Bits: OR-C-BIT-(Tube O.D.)

Example: OR-C-BIT-.75

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