



ONE-REV INTERNAL TUBE CUTTER

For Heat Exchanger, Boiler and Condenser Assemblies



Before installing tube plugs in heat exchangers, boilers, or condensers, it is recommended to puncture the tube interior to prevent pressure buildup. If this step is skipped, internal pressure can accumulate and eject the tube plugs, posing serious risks to personnel, equipment, and surrounding property.



Shaft

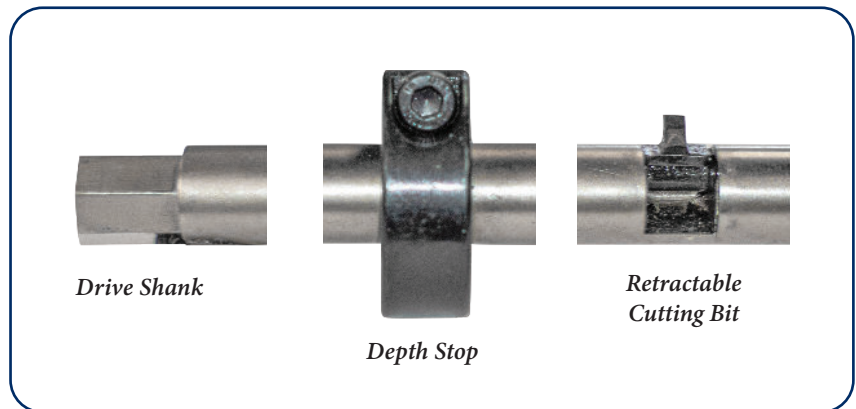
USA Industries' One-Rev internal tube cutters provide a fast, simple solution for puncturing or cutting the inside of these tubes. Designed for hand operation, the One-Rev Tube Cutter is used with a properly sized wrench, pliers, or ratchet that fits the tool's Drive Shank.

TO PUNCTURE THE TUBE:

- 1. Set Depth Stop:** Measure the tubesheet thickness and add 1–2 inches. Tighten the Depth Stop so the Cutting Bit will not cut into the tubesheet when piercing the tube.
- 2. Insert One-Rev:** With the Cutting Bit closed, insert the shaft into the tube, ensuring the Depth Stop rests firmly against the front wall of the tubesheet.
- 3. Engage Cutting Bit:** Attach a wrench to the Drive Shank and slowly turn clockwise until the Cutting Bit extends from the shaft and presses against the inside tube wall.
- 4. Pierce Tube:** Turn the Cutting Bit ¼ turn to puncture the tube wall.

TO SEVER THE TUBE COMPLETELY:

5. Continue turning the Cutting Bit one full revolution to cut through the tube.
6. Turn the cutter slightly counterclockwise to retract the Cutting Bit back into the shaft.
7. Pull back the shaft and remove the One-Rev from the tube.



Drive Shank

Depth Stop

Retractable
Cutting Bit

PRODUCT FEATURES

- **Tube Sizes:** Compatible with 1/2" through 2-1/2" tubes of all gauges
- **Standard Reach:** 10" reach; extended reaches available upon request
- **Cutting Bits:** Manufactured from high-quality, hardened tool steel for maximum cutting edge retention
- **Cutter Compatibility:** Fits 1/2" through 2-1/2" tube cutters
- **Interchangeability:** Directly interchangeable with Airetool bits

To Remove Tubes and Stubs, check out USA Industries' Tube Pulling equipment in our catalog or online at www.USAIindustries.com. Products include the:

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