



ONE-REV INTERNAL TUBE CUTTER

For Heat Exchanger, Boiler and Condenser Assemblies



Before inserting tube plugs into heat exchangers, boilers or condensers, it is recommended to puncture the inside of the tubes to prevent pressure build-up. Failure to do so can result in a heat exchanger, condenser or boiler tube building up pressure and ejecting tube plugs, potentially resulting in serious injury, loss of life and/or destruction to property.



Shaft

USA Industries' One-Rev internal tube cutters are used to cut or puncture the inside of a heat exchanger, boiler or condenser tube quickly and easily. Designed for hand operation, the One-Rev Tube Cutter makes use of a properly sized wrench, pliers or ratchet to fit the Drive Shank of the One Rev tool you will be using.

To Puncture Tube for Tube Plug Installation:

Step 1 - Set and tighten the Depth Stop by first measuring the width or thickness of the tubesheet, and then adding an additional 1 to 2 inches to the measurement from the backside of the Cutting Bit. You want to be sure that the Cutting Bit does not cut into the tubesheet when piercing or cutting the tube.

Step 2 - With the Depth Stop tightened, insert the Shaft of the One Rev into the tube with the Cutting Bit in the closed position and the Depth Stop resting firmly against the front wall of the tubesheet.

Step 3 - Apply your wrench to the Drive Shank and slowly turn in a clockwise direction until you feel the Cutting Bit move out of the Shaft and press up against the inside of the tube wall.

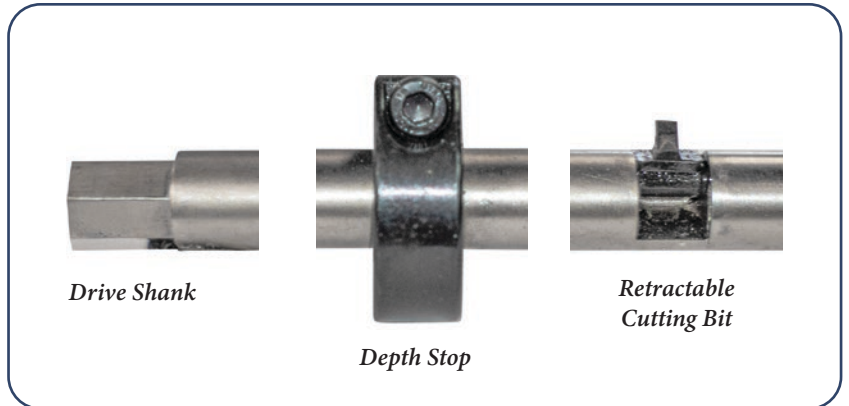
Step 4 - Turn the Cutting Bit 1/4 turn to pierce the tube wall.

To Sever Tube Entirely:

Step 5 - Continue turning the Cutting Bit one full revolution.

Step 6 - Turn cutter counterclockwise slightly to return the Cutting Bit back into the Shaft.

Step 7 - Pull back on Shaft and remove One-Rev from the tube.



Drive Shank

Depth Stop

Retractable Cutting Bit

PRODUCT FEATURES:

- Available for 1/2" thru 2-1/2" tubes of all gauges
- Standard reach of 10", longer reaches available
- Bits are made from high quality tool steel and hardened to provide the maximum cutting edge retention
- Available for 1/2" thru 2-1/2" tube cutters
- Directly interchangeable with Airetool Bits

Order product number by the following:

For Complete Cutter: OR-T-(Tube O.D.)-(Tube Gauge) = OR-T-1/2"-16
For Cutter Bits: OR-C-(Tube O.D.)-BIT = OR-C-1/2"-BIT

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

Rhino Jr. Hydraulic Spear Tube Puller



Rhino Jr. Pine Jenny Hollow Core Tube Puller



For more information on USA Industries products, contact us at (713) 941-3797 or go to www.USAIndustries.com