FTC-03 Series
Tube Cutter Instructions

■ Scope

The FTC-03 Series Tube Cutter is designed for cutting stainless steel, copper, or aluminum alloy tubing with an outer diameter (OD) of 1/8" to 1" and 3 mm to 25 mm.

■ Standard Construction

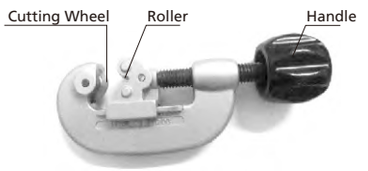

Fig. 1

■ Operating Instructions

1. Measure the desired tubing length and make the cutting position.
2. Position the tubing between the cutting wheel and the two rollers.
3. Rotate the handle clockwise until the cutting wheel contacts the tubing and align the cutting wheel with the marked position (Fig. 2).
4. Advance the handle by about 1/8 turn and rotate the cutter around the tubing twice (or once for softer materials). Repeat this process until the tubing is cut through.

① If holding the tubing with your left hand and pushing the tube cutter with your right hand, the right hand shall rotate the tube cutter downward around the tubing (Fig. 3).

② If holding the tubing with your right hand and pushing the tube cutter with your left hand, the left hand shall rotate the tube cutter upward around the tubing.

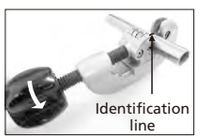

Fig. 2

Fig. 3

■ Cautions

1. Replace a dull cutting wheel promptly, as a dull wheel may cause tube end expansion and work hardening.
   Wheel replacement: Remove the pin, replace the cutting wheel (part no.: FTC-03-RR), and retighten the pin.
2. Remove all burrs from the tubing ID and OD. Failure to do so may affect the fitting's sealing capability and system cleanliness.
   Recommended tool: FITOK Tube Deburring Tool (Part No.: TDT-03 / TDT-05).

FITOK

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Instruction for
FTC-05 Series Tube Cutter

■ Features

1. FITOK tube cutter can easily cut the tubing, with good effect and easy operation;
2. Full-bearing cutting wheel ensures rapid, smooth and labor-saving cutting process;
3. Cutting wheel installed with a quick pin can be quickly replaced without any tools;
4. Spare wheel in the handle ensures uninterrupted operation and improve work efficiency;
5. High-strength rotary rod and high accuracy increment wheel ensure no wheel blocking and provide greater torque for easy and quick cutting;
6. Double-row rollers design ensures stable cutting and consistent feed, and improve cutting quality.

■ Standard Construction

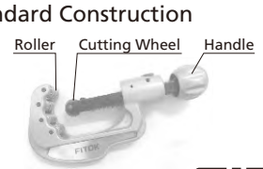

Fig.1

FITOK

■ Operating Instructions

1. Measure the tubing length and make a cutting mark on the surface of the tubing;
2. Place the tubing between cutting wheel and rollers, rotate the handle until wheel touches tubing cutting mark and keep the position fixed (Fig. 2);
3. Push the handle to rotate the tube cutter around the tubing, note:
   ① When holding the tubing with the left hand and push the tube cutter with the right hand, the right hand shall rotate the tube cutter downward around the tubing (Fig. 3).
   ② When holding the tubing with the right hand and push the tube cutter with the left hand, the left hand shall rotate the tube cutter upward around the tubing.
4. Rotate the tube cutter to form a stable cutting trace on the surface of the tubing. While ensuring smooth tube cutter rotating, properly force the handle to produce a synchronous rotation in the direction of the wheel, repeat the above operations until the tubing is cut.

Fig.2

Fig.3

■ Technical Data

1. Application: For cutting stainless steel, copper or aluminum tubing 1/4"-2 5/8" (6 mm-65 mm) O.D. and max. wall thickness of 3 mm (1/8").
2. Dimensions: (Length × Width × Thickness) 210 mm × 100 mm × 40 mm.
3. Weight: 680 g.

■ Cautions

1. Wheel replacement: remove the pin and replace the wheel, pay attention to the internal bearing during the replacement process to avoid falling off;
2. Applicable tools: FITOK tube deburring tool is recommended (part no.: TDT-03/TDT-05) to remove the burr on the inner diameter of the tubing.

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