

# Tube Cutting Tool

## TC72 Series

### Features

The Swagelok® TC72 series tube cutting tool is designed to easily and accurately cut thin-walled stainless steel tubing and elbows to square ends that require minimal additional tube preparation. The deformation-free clamping system allows quick adjustment to accommodate different tube diameters.

- For tube OD sizes 1/4 to 4 1/2 in. and 6 to 120 mm
- For maximum wall thickness of 0.118 in. or 3 mm
- Portable design for easy transportation
- Integrated laser pointer to determine cutoff point
- No tools required for cutting depth or tube diameter changes
- CE marked



Shown with optional tripod.

### Technical Data

<b>Nominal Tube OD</b>	1/4 to 4 1/2 in. / 6 to 120 mm
<b>Nominal Elbow OD</b>	1 3/16 to 4 1/2 in. / 30 to 120 mm
<b>Maximum Wall Thickness</b>	0.118 in. / 3 mm
<b>Input Voltage</b>	Single-phase alternating current, protection class II
	110 V 50/60 Hz
	230 V 50/60 Hz
<b>Power</b>	1100 W
<b>Speed</b>	30 to 160 r/min
<b>Sound Level (EN 23741)</b>	Approx 75 dB
<b>Vibration Level (EN 28662, Part 1)</b>	< 2.5 m/s <sup>2</sup>
<b>Service Current Requirement</b>	10 A minimum

### Dimensions

20.4 W by 9.1 H by 23.6 L in.  
(518 W by 230 H by 600 L mm)

### Weight

52 lb (23.6 kg) without accessories

For more information about the Swagelok tube cutting tool, see the *TC72 Cutting Tool User's Manual*, MS-13-216.

### Ordering Information

Each TC72 series cutting tool is shipped in a durable case for ease of storage and transport. The case includes space for tools and select accessories. A heavy-duty, upgraded case is available separately; see page 2.



To order, add a power cord designator and user's manual designator to the basic ordering number: **MS-TC72-**  
Example: MS-TC72-11-E

### Power Cord

Region	Voltage	Plug Type	Designator
Australia, China, New Zealand	230 V 50/60 Hz	AS 3112	18
Continental Europe, Korea	230 V 50/60 Hz	CEE 7/7	17
Japan, Taiwan	100/115 V 50/60 Hz	NEMA 5-15	13
India	230 V 50/60 Hz	BS 546	21
North America	115 V 50/60 Hz	NEMA 5-15	11
United Kingdom	115 V 50/60 Hz	IEC 309	15

### Included Items

- TC72 series cutting tool
- Shipping case
- Standard saw blade (installed)
- Cutting fluid
- Tool set
- User's manual
- Battery package for laser pointer

### User's Manual

Language	Designator
Chinese (simplified)	-C
English	-E
French	-F
German	-G
Japanese	-J
Korean	-K
Russian	-R
Spanish	-S

## Options and Accessories

### Saw Blades

Replacement saw blades are available individually. One standard saw blade is included with each cutting tool.



Description	Tube Wall Thickness in. / mm	Ordering Number
Standard saw blade, 10 teeth per inch	0.039 to 0.118 / 1 to 3	MS-TC72-BLADE
High-performance saw blade, 9 teeth per inch	0.047 to 0.098 / 1.2 to 2.5	MS-TC72-BLADE-HP
Thin-wall tubing saw blade, 14 teeth per inch	0.024 to 0.047 / 0.6 to 1.2	MS-TC72-BLADE-TW

### Tripod

Stainless steel tripod enables easy job site setup and use.

Ordering number: **MS-TC72-TRIPOD**



### Quick-Mounting Plate

Mounting plate clamps quickly and easily to a workbench.

Ordering number: **MS-TC72-PLATE**



### Clamping Jaws

Replacement clamping jaws of hardened cast aluminum are available.

Ordering number: **MS-TC72-CLAMP**



### Laser Pointer Kit

Replacement laser pointer accurately highlights the cutting point.

Ordering number: **MS-TC72-LASER**

### Heavy-Duty Shipping Case

The rugged plastic custom shipping case provides maximum protection of the TC72 series during transport and enhances portability with an extendable handle and wheels. The case can accommodate the same accessories as the standard case.

Case dimensions, with handles folded in and retracted:

33.5 H by 21 W by 13.5 D in.  
approx (85.1 by 53.3 by 34.3 cm approx)

Ordering number:

**MS-TC-72-CASE-SHIP**



### Additional Products

#### Tube Facing Tools

For information on tools for facing tubing up to 4 1/2 in. and 114.3 mm, OD, see the Swagelok *Tube Facing Tools—TF16, TF24, TF40, and TF72 Series* catalog, MS-02-426.



#### Swagelok Welding System

For orbital welding equipment and accessories see the *Swagelok Welding System M200 Power Supply* catalog, MS-02-342.



#### Safe Product Selection

**When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.**

**Caution: Do not mix or interchange parts with those of other manufacturers.**

### Warranty Information

Swagelok products are backed by The Swagelok Limited Lifetime Warranty. For a copy, visit [swagelok.com](http://swagelok.com) or contact your authorized Swagelok representative.