



Extendable Lever Type Tube Bender (Detachable handle type)

TA540P Series

Only for Soft (Annealed) Copper Tube

Instruction Manual



Thank you for purchasing TASCO's TA540P series bender.
Prior to the use, read this instruction manual thoroughly and use
the product properly.







ICHINEN **TASCO** CO.,LTD.

Safety Notes

(Should be observed)

- Read this **Safety Notes and Instruction Manual** thoroughly before using the product to ensure that instructions therein are fully understood.
- This manual summarizes “**things that needs to be observed**” so that the product can be used by everybody without any concern.
- Keep this manual handy for quick reference.
- If the product were to be rented or assigned to somebody else, provide thorough instructions and deliver the product together with this manual.

Notes contained in this manual are classified as  **WARNING** and  **CAUTION**. Instructions given in the  **WARNING** column summarize and refer to those that may result in a death or serious injury if they are neglected. However, instructions classified as  **CAUTION** may also lead to serious consequences depending on the circumstance if neglected. Observe all instructions without fail because they refer to important matters concerning safety.

WARNING

1. Do not perform work under these circumstances.
 - Having difficulty in focusing on the work due to fatigue, illness, influence of a drug or some other reason.
 - Under the influence of alcohol.
2. Check the surrounding environment before starting work.
 - Do not use the product when it is raining or when there is thunder.
 - Make sure that there is enough light in the working environment.
There is a risk of accidents happening when working in dark places.
3. Take actions against falling, such as wearing a tether, for working in high places.
[If neglected]
The operator may fall due to a reaction of the product, suffering a serious injury.
4. Do not allow persons other than those involved in workplace during the work to prevent injuries.
 - Do not allow children or animals to be around.
5. Keep the working environment tidy.
Working in a cluttered, disorganized place can lead to accidents
6. Prohibition of modification of the machine and use other than its intended purposes.
 - Do not modify the machine or use it for purposes other than those intended.
[If neglected]
The machine may fail or cause an accident, resulting in an injury of the operator.

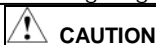
CAUTION

1. This product is exclusively designed for annealed copper tube. Anneal any hard tube before using this product.
2. Avoid dropping the product and do not treat the product carelessly.
[If neglected]
The machine may fail or cause an accident, resulting in an injury of the operator.
3. Inspect and ensure that all parts are in place without damage before and after a work.
4. Read the instruction manual thoroughly.
To prevent accidents, read the instruction manual thoroughly and ensure instructions are fully understood before the operation.

■ Specifications

Item No.	Applicable Copper Tube	Bending Radii(mm)	Entire Length(mm)	Symbol Color
TA540P-4	1/2" (φ12.7)	38	405~575	Yellow
TA540P-5	5/8" (φ15.9)	57	430~600	Blue
TA540P-6	3/4" (φ19.1)	76	620~850	Green
TA540P-7	7/8" (φ22.2)	85	635~865	Orange

● Bending degree : 0-90°



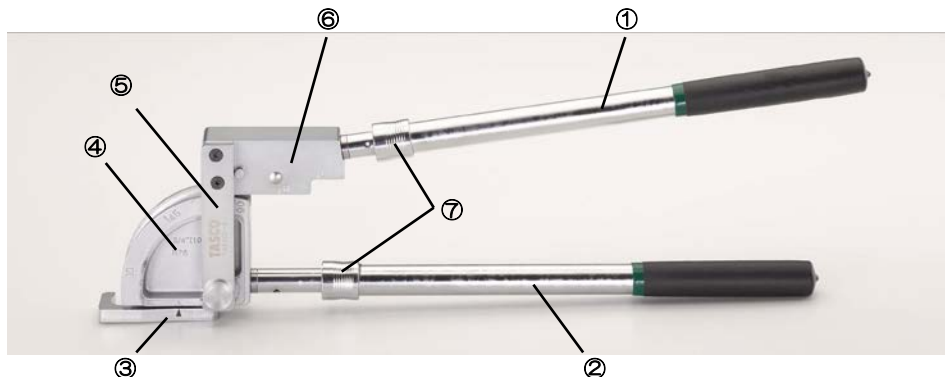
CAUTION

This product is only for soft (annealed) copper tube.

In case the tube is annealed too much or too little, the tube may not bend properly.

※Product appearance and specification may change to improve the product without priority notice.

■ Names of Various Parts ■



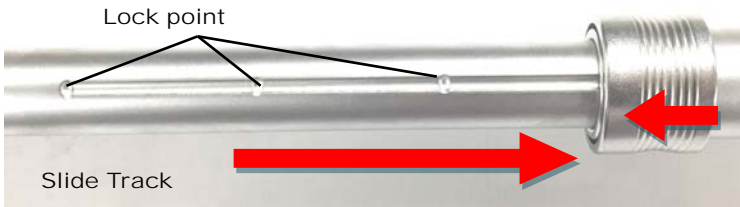
- ① Extendable Lever Type Handle on Guide
- ② Extendable Lever Type Handle on Former
- ③ Hook
- ④ Bender Former
- ⑤ Connecting Plate
- ⑥ Bender Guide
- ⑦ Lock Ring

■How to use■ **Note:** This product is only for soft(annealed) copper tube.

1. How to change the length of the handle
(Change the length of the handle to fit the working site.)
 - ① Pull down the lock ring and slide.



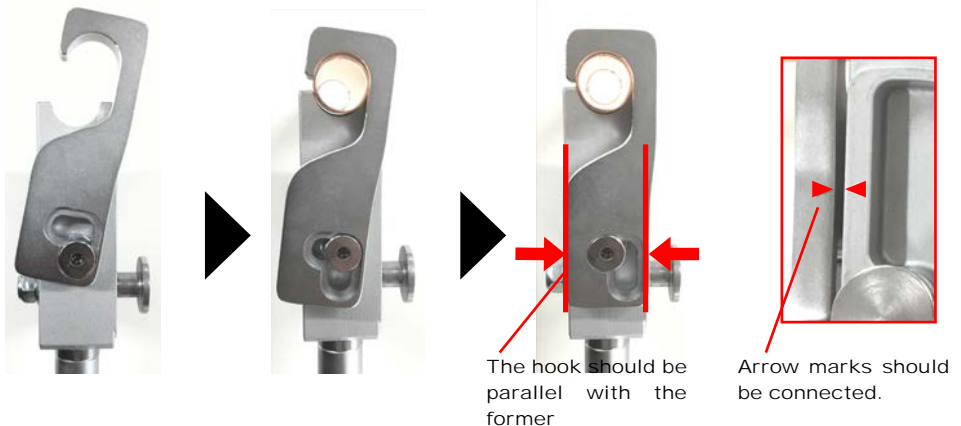
- ② Stop the lock ring on a desired lock point and loosen your hold on the lock ring so that the lock ring will be locked at the lock point.



⚠ WARNING Make sure the lock ring is locked with absolute certainty before use.
[If neglected]
The machine may fail or cause an accident, resulting in an injury of the operator.

⚠ CAUTION Do not extend the handle with force.
[If neglected]
Lock points and slide track may be damaged. And there is a risk of disconnecting the handle.
It may cause an accident, resulting in an injury of the operator.

2. How to bend the copper tube
 - ① Place the hook on the copper tube in accordance with the picture below.
※To confirm if the copper tube is set properly, see if the hook is parallel with the former and arrow mark on the hook and the former are connected (See the picture below).

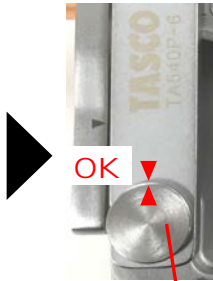


② Insert the connecting plate to the former.

※The connecting plate can be inserted from the position as shown in the picture below.

※Make sure to insert the plate so that the arrow mark on the plate and the center pin are exactly connected.

If the plate is not connected appropriately when the handle on the guide is pulled down, the machine may not operate correctly.



CAUTION
Do not start the operation when the plate is not connected appropriately. It may be a cause of the machine failure.

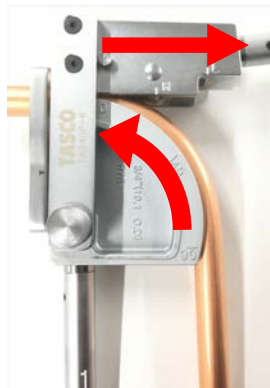
▲ Arrow marks are connected.

▲ Arrow marks are not connected.

③ Pull down the handle on the guide for bending to the desired angle.



④ Pull up the handle on the guide and return the handle to its normal position, and detach the plate from the former.

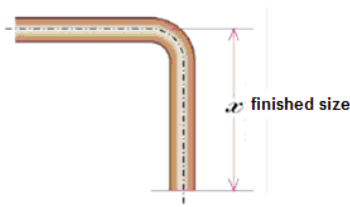


- ⑤ Take off the hook from the copper tube and remove the former.

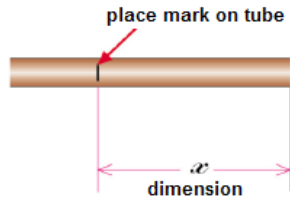


3. How to use R and L (When bending the tube to 90 degrees)

- ① X Dimension (finished size)

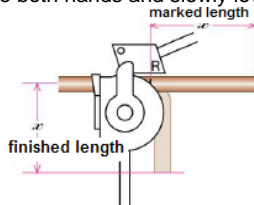


- ② Place mark on the copper tube.

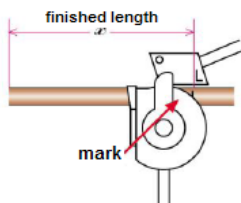


- ③ Place the tube inside the clamp. Make sure the tube is positioned and engaged with the tube clamp. Make sure former and guide are set correctly at 0 position, and that the mark is set at base point "R".

- ④ Use both hands and slowly lower the handle while checking that it's bending at the correct angle.



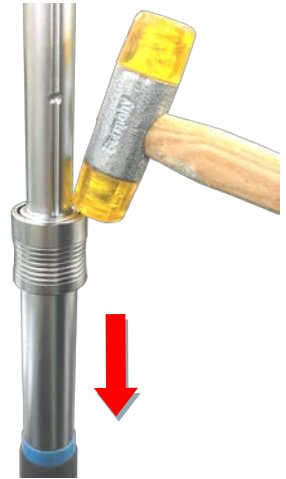
- ⑤ When dimension X is needed as in the diagram below, place the mark of the tube at "L" and complete the process in the same way.



■ In case the extendable handle is firmly fixed on the lock ring ■
If the machine is accidentally dropped, there is a possibility that the lock ring cannot be released.
In such cases, tap the lock ring by a plastic hammer or the like.

 **CAUTION**

Do not use a metal made hammer and hit the lock ring hard.
[If neglected]
The machine may break.



Warranty Certificate

1. The product will be repaired free of charge should it fail under a normal condition of use during the warranty period.
2. This certificate is valid only in Japan.
3. The warranty period is one year from the date of purchase.
4. This warranty does not apply to consequential damages caused by the use of the product.
5. Followings shall be exempted from the warranty.
 - [1] Failures caused by inappropriate handling
 - [2] Failures caused by handling or storage exceeding the design specifications
 - [3] Failures resulting from a modification or repair performed by a person other than the supplier and the supplier's contractor
 - [4] Failures of consumables
 - [5] Other failures for which the supplier cannot be held liable

Product name	Extendable Lever Type Tube Bender (Detachable handle type)		
Model	<input type="checkbox"/> TA540P-4 <input type="checkbox"/> TA540P-5 <input type="checkbox"/> TA540P-6 <input type="checkbox"/> TA540P-7		
Date of purchase			
Warranty period	One year from the date of purchase		
Customer	Name	_____	
	Address	_____	
	Tel.	-	-
Dealer	Name & address		
	Tel.		

* Notes to the dealer: Ensure that all information is entered before handing this certificate to the customer.



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