

**TIGHTENING TOOL
CT42**

LEGAL NOTICE

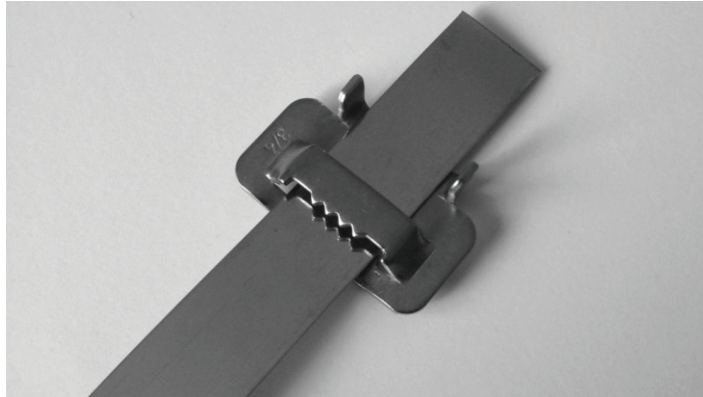
- The product must be used only by a competent person with sufficient training in installation practices and with sufficient knowledge of good safety and installation practices in respect of electrical equipment. If local legislation contains provisions in respect of such training or sufficient knowledge in respect of installation of electrical equipment such provisions shall be fulfilled by the said person.
- Ensto accepts no liability concerning claims resulting from misuse, incorrect installation or ignored national safety regulations or other national provisions.
- WARNING: Failure to follow the installation instructions may result in damage to the product and serious or fatal injury.

SAFETY RECOMMENDATIONS

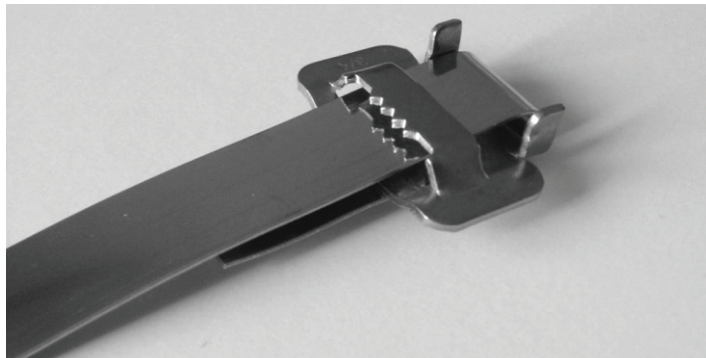
- Read this handbook thoroughly before using the tool for the first time, because it shows clear pictures and gives good advice regarding its correct use.
- Make sure not to use the tool on live electrical applications.
- Protective eyewear should be worn during use.
- Wear appropriate gloves for handling steel.
- During clamping operation, make sure that fingers are not wrongly positioned between band and pole or the item which have to be clamped.
- Pay attention that item to be clamped has no potential dangerous reactions like burst, shatter or similar.

MANUAL CONTENTS:

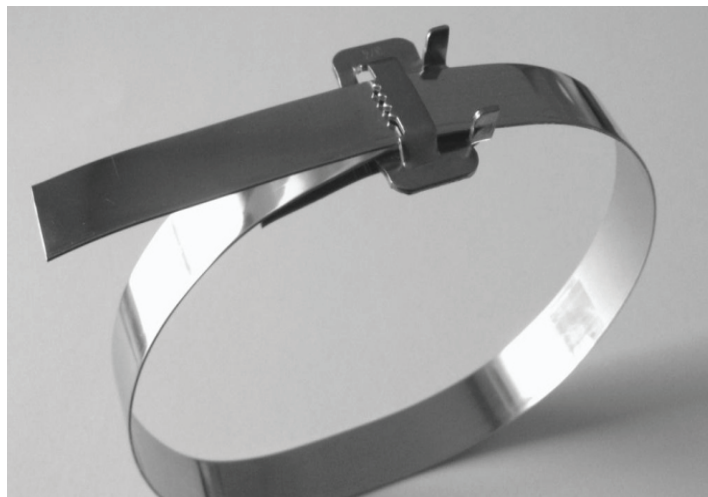
- Introduction to safety recommendations (page 2).
- Forming a clamp with band and buckle (page 3).
- Tool operating instructions (page 4).
- Tool spare parts list (page 7).
- Ordinary maintenance instruction (page 7).
- Maintenance and repairing instructions (page 8).
- Guarantee conditions (page 11).
- Complaint communication procedure (page 11).

FORMING A CLAMP WITH BAND AND BUCKLE*Picture 1*

1. Pull appropriate length of band from the roll and cut the band using suitable shears or this tool with its cutting feature. Holding the buckle in one hand, with "lugs" pointing upward and externally as shown in the picture 1, insert one end of the band through the buckle "window".

*Picture 2*

2. Band shall be bent underneath the buckle for at least 60 mm and squeeze it to flatten and prevent the buckle to fall out its position before or during pulling action.

*Picture 3*

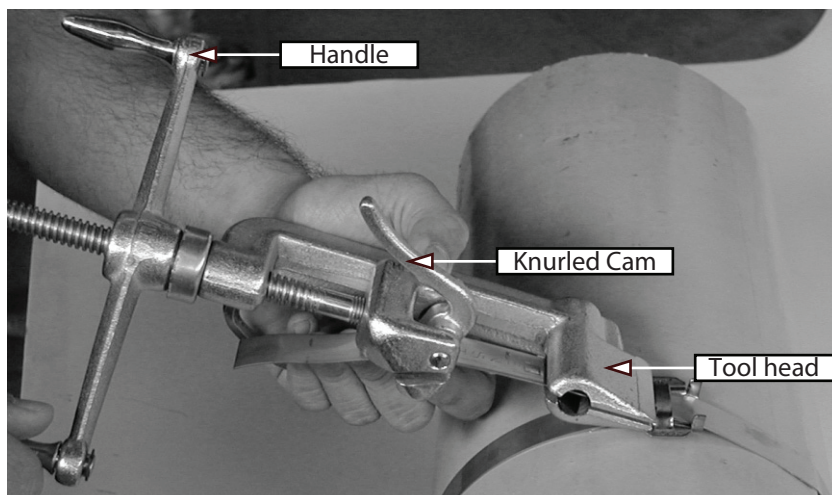
3. Wrap the band around the pole (or the item to be clamped) and enter its head through the buckle "window" as shown in picture 3.



Picture 4

4. If necessary, repeat a second wrap of band around the pole and enter again the band head through the buckle "window". Double-wrapping application grants higher radial compression and double holding strength than single-wrapping, therefore it is ideal for fastening heavy objects or to face high wind loads.

TOOL OPERATING INSTRUCTIONS

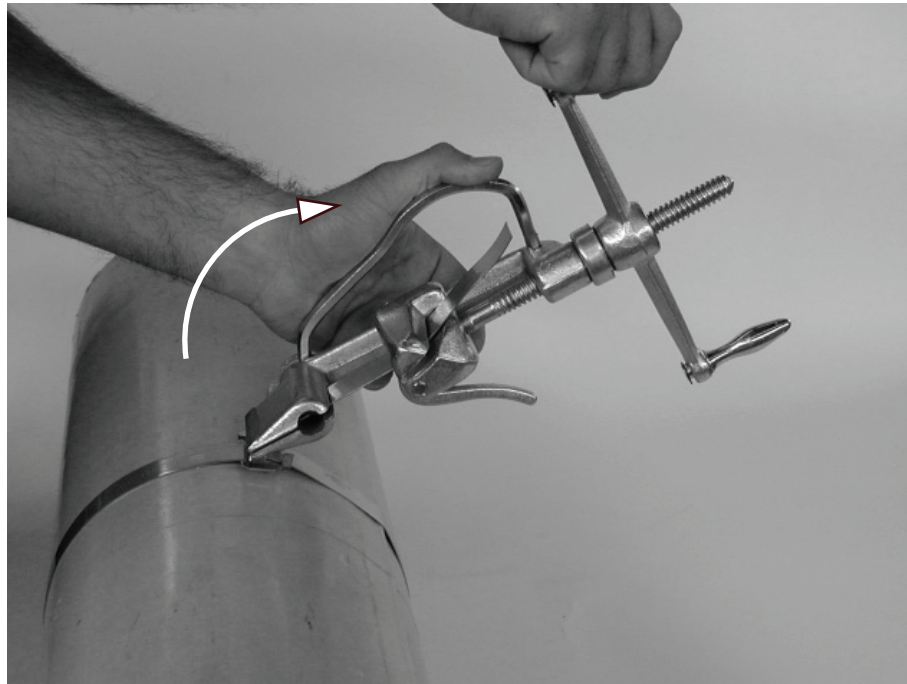


Picture 5

5. The head of the band, the one coming out from the buckle, has to be positioned firstly inside the tool head and than inside the holding cam support.

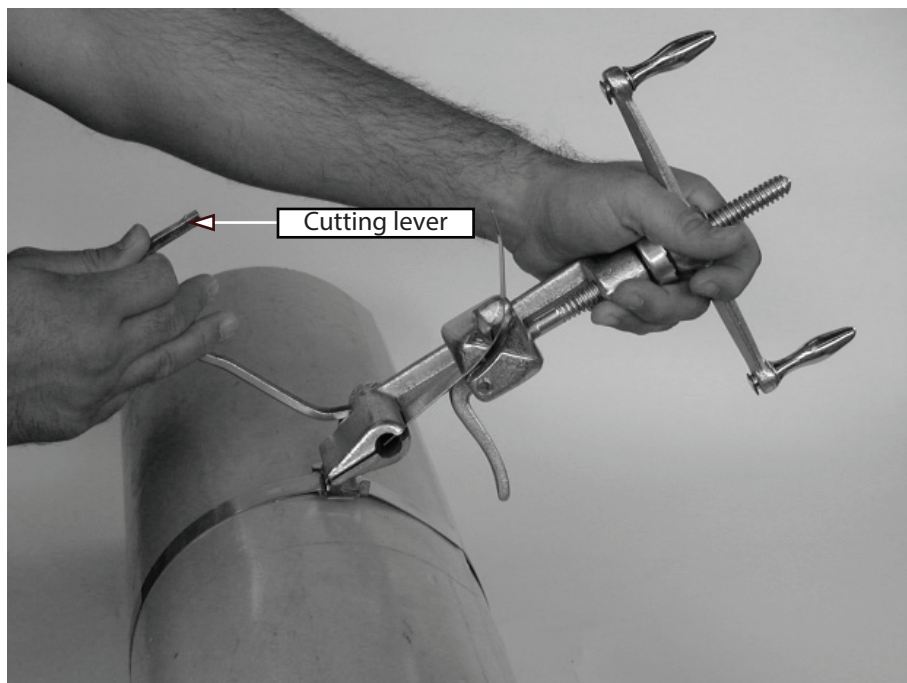
Next, press the knurled cam with the thumb and start to rotate the handle clockwise. Once the band starts to stretch, there is no more need to hold down with thumb the knurled cam: it remains locked when under tension.

Keep turning the handle until the band stops sliding inside the buckle; this means you have reached the stretch limit.



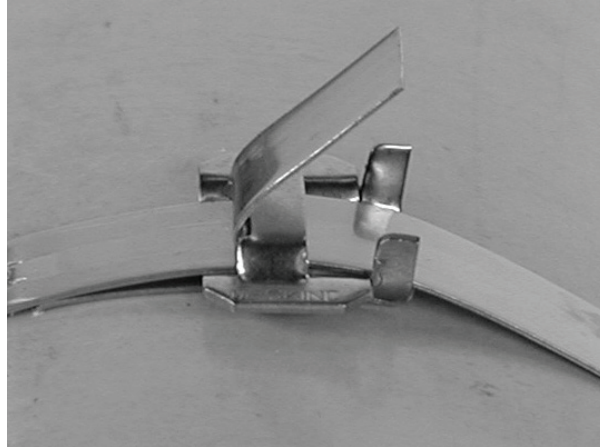
Picture 6

7. Once the stretch limit is reached, move the tool to the opposite side crossing it over the buckle. It is important that when you start rotating the tool you also slightly release the tension moving slowly the handle anti-clockwise, otherwise the band and the buckle indentation may be damaged.



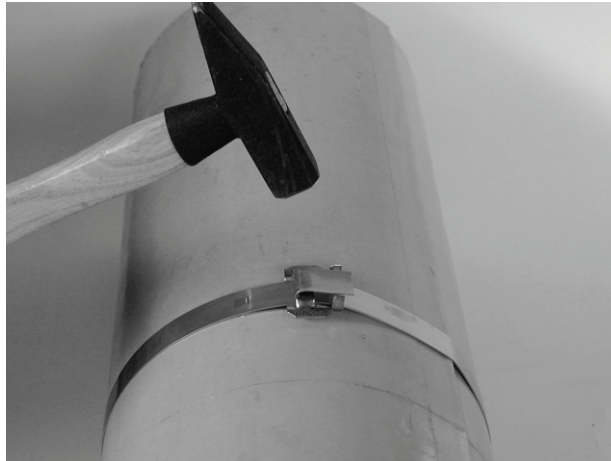
Picture 7

8. Now, to cut the band, just pull the cutting lever.



Picture 8

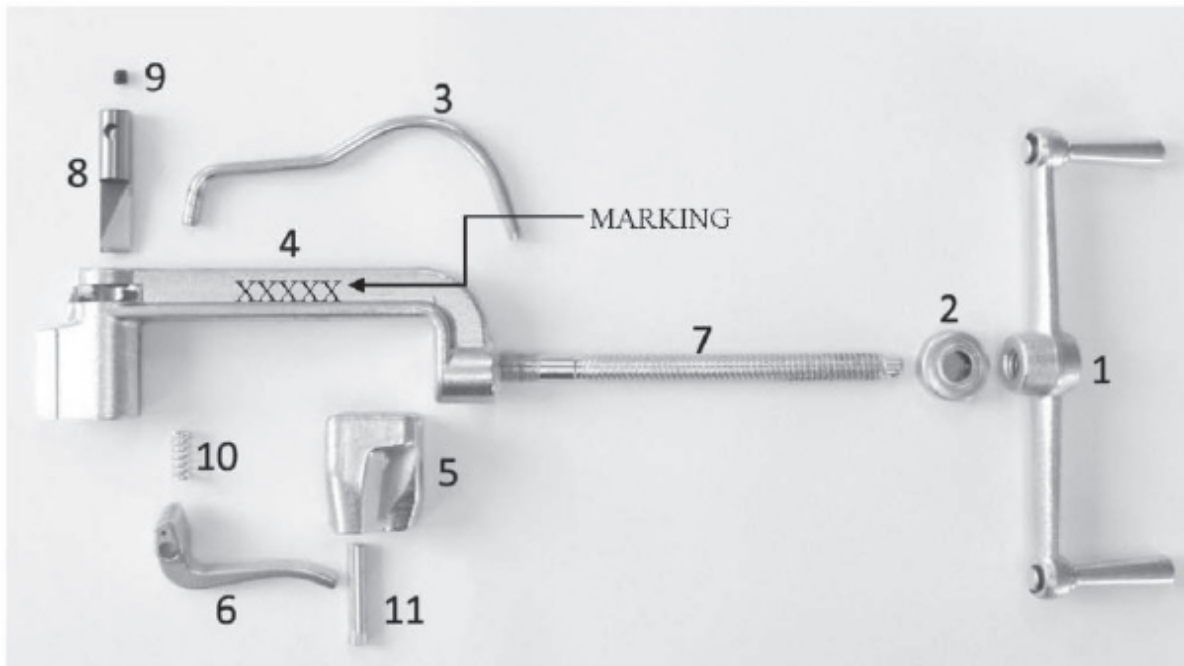
10. Remove the tool and push down the end of the band, positioning it between the buckle lugs.



Picture 9

11. Block the end of the band, bending the buckle lugs by hammering them. The object is now clamped securely.

TOOL SPARE PART LIST



Picture No.	Code	Description
1	MK001-1n	Handle / operating lever
2	MK001-2n	Thrust - holding bearing
3	MK001-3n	Cutting lever
4	MK001-4n	Tool body
5	MK001-5n	Holding cam support
6	MK001-6n	Knurled cam
7	MK001-7n	Main screw
8	MK001-8n	Cutting blade
9	MK001-9n	Cutting lever locking nut
10	MK001-10n	Spring
11	MK001-11n	Pin

All above listed parts can be ordered separately as a single item.

Cutting kit code CT42.MK001-K1N is inclusive of parts 3 + 8 + 9 (Picture No.).

The above "kit" shall be ordered when a maintenance service is needed due usage wearing effects presence.

ORDINARY MAINTENANCE INSTRUCTIONS

1. After usage and before storing, remove from tool all dirt and humidity with an ordinary rag.
2. Periodically apply a lubricant to main screw (part no. 7) to prevent excessive wear.

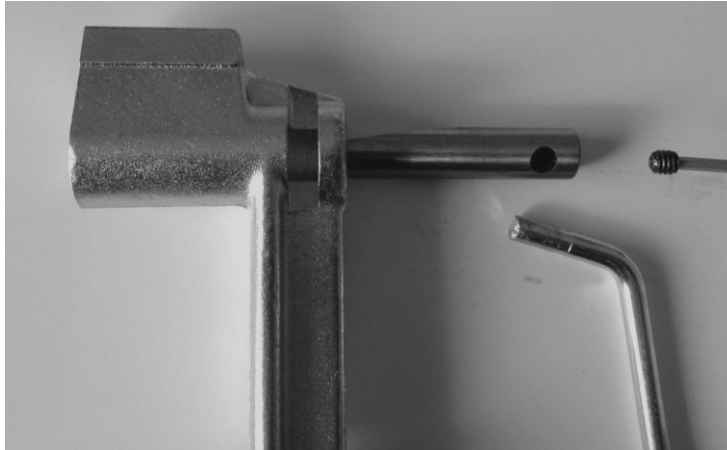
MAINTENANCE AND REPAIRING INSTRUCTIONS

Tool disassembly/assembly instructions for parts replacement:

In presence of usage wearing effects, breakages or defectivities, some tool parts might need to be replaced, in these cases kindly follow the below indications.

1. When cutting operation becomes difficult it is necessary to proceed with:

- Cutting blade replacement (Picture 10).



Picture 10

- Using an allen-key size 3, unscrew the cutting lever locking nut (part no. 9) until its removal.
- After the above operation, the cutting Lever (part no. 3) and cutting blade (part no. 8) can be separately removed from their seats.
- Take the new cutting blade, position it into its seat inside tool body (Part no. 4)
- Fix back the cutting lever matching tool body and cutting blade holes.
- Fix back and tight to the end the cutting lever holding nut.
- Verify if the three parts are moving freely and make a trial band cut.

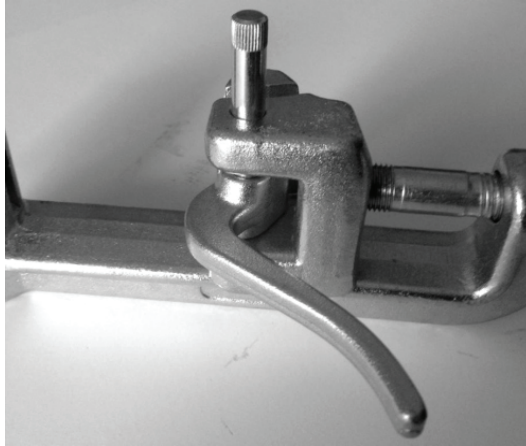
2. When band "Sliding" effect prevents the proper band holding during clamping operation it shall be necessary to proceed with:

- Knurled cam (part no. 6) cleaning by removing it from the tool.
- Align the holding cam support (part no. 5) hole\pin with notch present on tool body (part no. 4) as shown in picture 11.



Picture 11

- Using a punch and hammer, push the pin (part no. 11) out of its seat from holding cam support (part no. 5) see picture 12.



Picture 12

- Remove the knurled cam (part no. 6) from its seat from holding cam support.



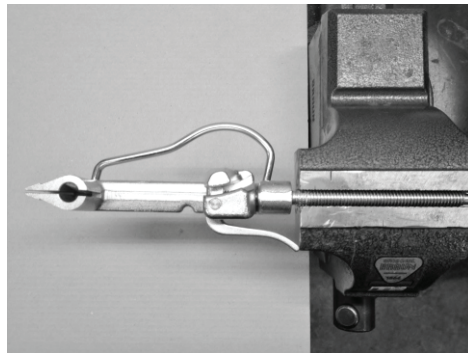
Picture 13

- Using a wire brush, clean the knurled cam as shown in picture 13.
- After brushing operation, replace the knurled cam in its seat and follow all operations in reverse order.

3. In case, after the operation at point 2, the band "Sliding" effect still existing it shall be necessary to proceed with:

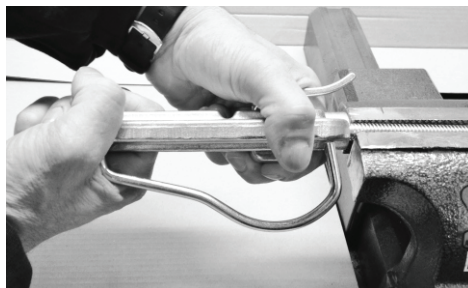
Holding cam (part no. 5) and knurled cam (part no 6) replacement. Parts no. 10 (spring) and no. 11 (pin) are inclusive as a complete kit.

- Turn the handle anticlockwise (part no. 1) until its full removal from main screw. (Part no .7)
- Remove the thrust (part no. 2) from main screw.
- Hold strongly the main screw (part no. 7) in a vice (picture 14).



Picture 14

- Turn the tool body (part no. 4) anticlockwise (picture 15),



Picture 15

until the main screw is loosed (picture 16) from the holding cam support (part no. 5).



Picture 16

- The complete kit consisting of holding cam support + knurled cam + pin + spring (parts no. 5, 6, 10, 11) are now free from tool body.
- For kit replacement, follow operations in reverse order.

GUARANTEE CONDITIONS

Seller is granting for this tool the conditions indicated by the European regulations that are prescribing full coverage for tool or parts of it having evident manufacturing defects; instead are excluded all those cases where incorrect use have generated damages or breakages to the tool or parts of it.

The validity period is 12 months from selling date.

Very important :

This tool is also featuring a cutting function, which is made by a specific component that is a cutting blade (part no. 8). Like in all cases of cutting tools, the blades are considered as "consumable parts" that have to be replaced when the cutting edge is losing its sharpness and cutting action become very difficult.

Therefore the cutting blade (part no.8) is not covered by any guarantee but it is considered a spare part. Seller have taken great care to ensure that all the information contained within this manual is accurate, however the company can accept no liability for any damage caused as a result of incorrect use of the tool.

COMPLAINT COMMUNICATION PROCEDURE

In case of any defect or difficulty evidenced during tool usage, you shall contact the seller in order to make such contact as effective as possible for the solution of the critical situation, we invite you to follow this procedure:

- Always mention the numbers (lot\year) engraved on tool body (see spare parts drawing page 7).
- Briefly indicate the type of defect\difficulty that was faced.
- If possible indicate the tool part involved\causing such effect (see spare parts drawing/list page 7).
- Ideally a picture of such tool part or defect should be sent (via mail) together with the above notes.

The seller will analyze these information and provide by return clear indications how to sort out the matter, according to evidences and guarantee conditions.

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