



## Preparing device AQ-40

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The scissors for cutting to length AQ-40 permit clean cutting of tapes to the required length and angle for the Quickmelt joining procedure.

The AQ-40 allows to perform a proper, angled cut up to 40 mm / 1.57 in. in width and 3 mm / 0.12 in. in thickness.

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**Appendix:**

- ☐ Product Liability



## 1. General information

### 1.1 Application

The preparing device AQ-40 has been designed for quick and safe cutting of Habasit machine tapes up to 40 mm / 1.57 in. wide and up to 3 mm / 0.12 in. thick in the required angle for the Quickmelt joining system.

The preparing device AQ-40 was developed solely for the purposes described in the operating instructions. Improper use, or use for other applications than those described in the instructions, is not permissible. Habasit accepts no liability for the consequences of improper application.

The preparing device AQ-40 is manufactured according to recognized engineering principles and state-of-the-art technology.

For reasons of scope, these instructions cannot cover all possible aspects of operation, maintenance or repair. The indications given herein refer to the use of the tools according to their designated purpose by skilled personnel.

In case of doubt or if further detailed information is required, please contact the manufacturer (Section 1.4)

### 1.2 Important safety terms

In these operating instructions, you will find the terms WARNING, CAUTION, and INDICATION. They signal dangers or special information to be borne in mind.

**WARNING** If disregarded, there is a danger of severe injury, and/or severe material damage.

**CAUTION** If disregarded, there is a danger of injury, and/or material damage may be caused.

**INDICATION** Technical information is emphasized if it is important and not readily apparent, even for skilled personnel.

Please observe all indications for assembling, operating, and maintaining this device, as well as all technical data! This will prevent possible trouble and/or damage to people or materials.

**Skilled personnel** refers to persons authorized to perform the required work. These people have been sufficiently trained and introduced to their field of activity so that they are able to recognize and prevent dangers. They are aware of the pertinent provisions and safety regulations.

### 1.3 Scope of supply

Qty. Item

1 Preparing device AQ-40 packed in a cardboard box

1 Operating instructions



## 1.4 Ordering of spare parts

Spare parts can be ordered directly from the manufacturer.

Address:

Habasit Italiana S.p.A.  
Via A. Meucci 8, Zona Industriale  
I-31029 Vittorio Veneto/TV  
Tel. ++39 438 91 13  
Fax ++39 438 91 2374

Please accurately describe the parts required.  
State the numbers according to Section 6, Illustration.

<b>WARNING</b>	The use of parts by other manufacturers not meeting Habasit specifications is not admissible. Habasit declines all responsibility for the consequences if non-Habasit parts are used.
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## 1.5 Warranty

All tools undergo a strict final inspection. On the assumption of correct handling, they are warranted against material and manufacturing defects for 1 year.

## 1.6 Technical advice

Our specialists will be pleased to advise you. For technical questions concerning function and condition of the preparing device, please contact the manufacturer (Section 1.4).



## 2. Mode of operation

The belt ends for the Quickmelt joining method are cut by means of a special preparing device with a single blade cutter.

The machine tape has to be precisely positioned on the cutting support to achieve the required accuracy of the cut cross section of the tape. Angles of 60°, 75° or 90° are given by notches in the cutting support surface.

The main cutting angle for machine tapes, 60°, is given by means of bolt heads (of screws) mounted to the cutting support fixed to the cutter.

Belts are cut manually by pressing both levers together.

The maximum belt thickness that can be cut is 3 mm / 0.12 in.

## 3. Initial start-up

- ☐ Check the cutting blade (1) for its cutting ability.
- ☐ Check to make sure that the surface of the cutting support (8) where the belts are to be cut is clean.

## 4. Cutting of machine tapes

Process: Engineering manual 3240 and Cutting to length manual 32106

- ☐ Measure off the desired length on the machine tape and mark with pencil or ballpoint pen.
- ☐ Open preparing device by flipping safety latch (6) forward.
- ☐ Place machine tape on cutting support (8) such that the mark corresponds with the cutting blade (1).
- ☐ Place tape such that it rests against the inner end of the alignment ledge and the corresponding bolt head on the cutting support (8) to achieve a 60° angle (see Section 6, Illustration).
- ☐ Cut machine tape by pressing together upper lever (3) and lower lever (5) of preparing device.
- ☐ Advance tape up to the second measuring mark, align at the same alignment points as before and cut in the same way as the first tape end.
- ☐ The result is angularly cut tape ends.
- ☐ Close preparing device and engage safety latch (6).



## 5. Service

### 5.1 Maintenance

- ☐ Keep the cutting blade (1) and the cutting support (8) clean at all times. Clean them regularly and remove material residues.
- ☐ Check the cutting blade (1) periodically for its cutting ability and replace it with the correct type if necessary (Code 700 527).
- ☐ Slightly lubricate the hinge of the cutter with oil at periodic intervals.
- ☐ When not in use store the cutting device in its box.

### 5.2 Replacement of the cutting blade

- ☐ Remove stud bolt with nut M5 (2) and pull out cutting blade (1) from upper lever (3) of preparing device.

<b>WARNING</b>	Handle cutting blade (1) with special care. Blade can cause injury even if it is worn out.
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- ☐ Insert new cutting blade (1).
- ☐ Mount and tighten stud bolt with nut M5 (2).

<b>CAUTION</b>	Be sure not to damage blade edge.
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### 5.3 Replacement of cutting support

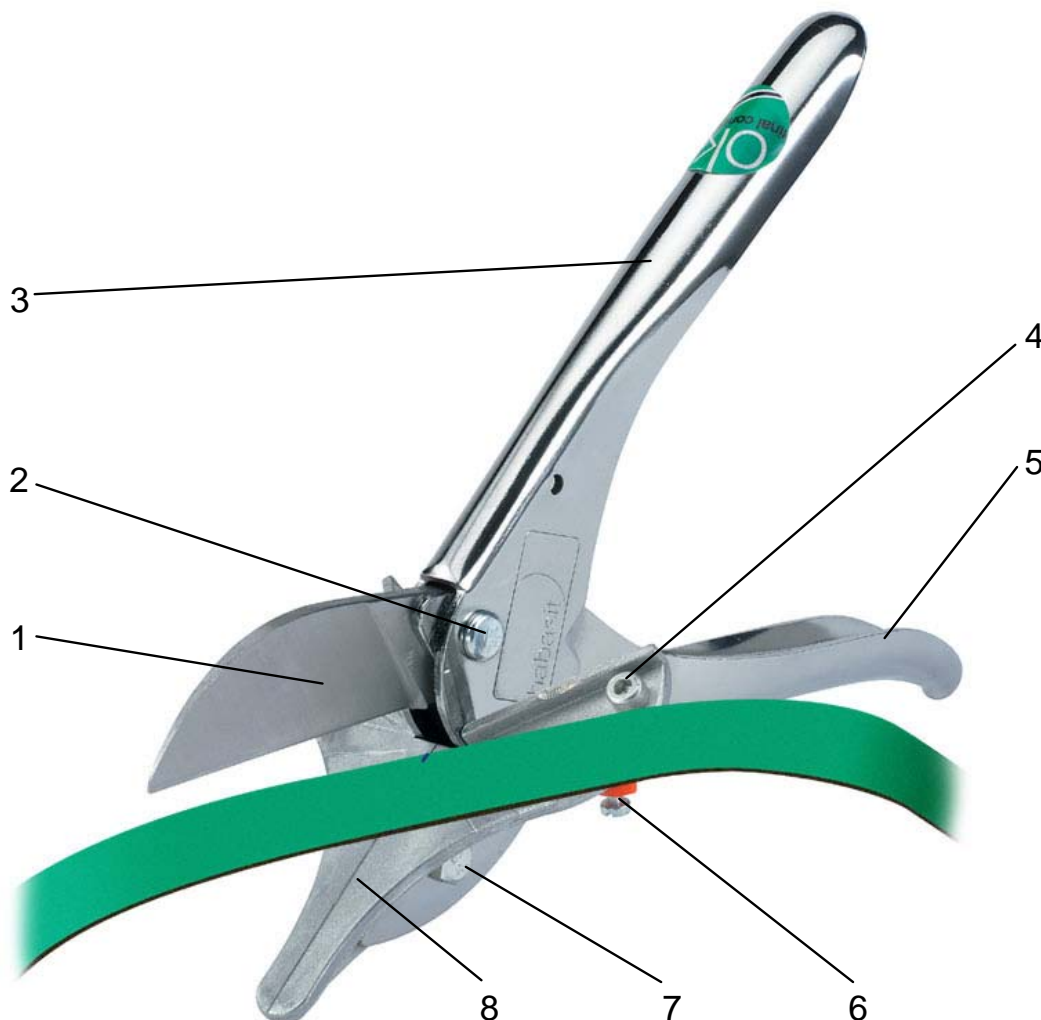
- ☐ Loosen screw M5 with nut (7) and lift cutting support (8) out of lower lever (5) of preparing device.

<b>WARNING</b>	Proceed with care. Cutting blade (1) can cause severe injury.
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- ☐ Insert new cutting support (8) and tighten screw M5 with nut (7).



## 6. Illustration



### Legend:

- |   |                              |   |                                |
|---|------------------------------|---|--------------------------------|
| 1 | Cutting blade (Code 700 527) | 5 | Lower lever                    |
| 2 | Stud bolt with nut M5        | 6 | Safety latch                   |
| 3 | Upper lever                  | 7 | Screw M5 with nut              |
| 4 | Bolt head                    | 8 | Cutting support (Code 700 532) |

## 7. Technical data

Max. belt/tape width [mm] [in.]	40	0.67
Max. belt/tape thickness [mm] [in.]	3	0.12
Dimensions (L x W x H) [mm] [in.]	220 x 80 x 55	8.7 x 3.2 x 2.2
Net weight [kg] [lbs.]	0.3	0.7



### **Product liability, application considerations**

If the proper selection and application of Habasit products are not recommended by an authorized Habasit sales specialist, the selection and application of Habasit products, including the related area of product safety, are the responsibility of the customer.

All indications / information are recommendations and believed to be reliable, but no representations, guarantees, or warranties of any kind are made as to their accuracy or suitability for particular applications. The data provided herein are based on laboratory work with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experiences can lead to modifications and changes within a short time without prior notice.

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