
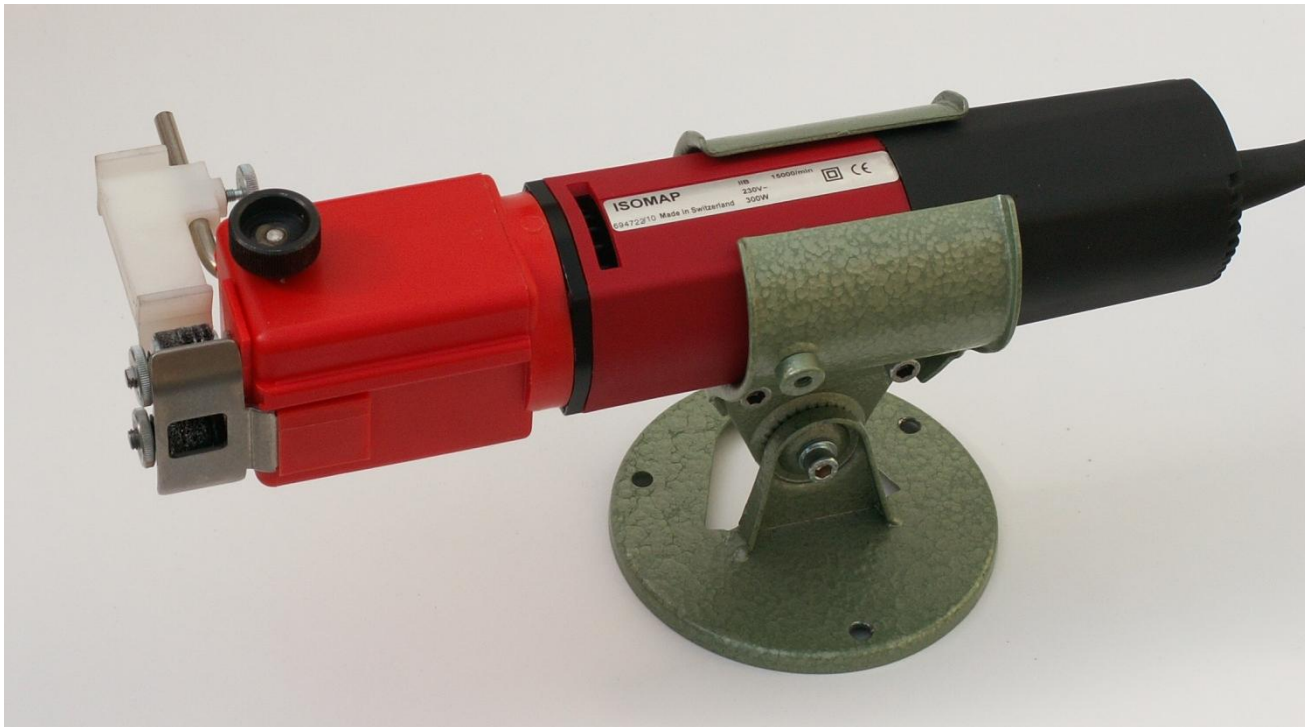


Side 1 of 14	Brushing head to Wire Stripper Type IIB	
29.11.2010		
	Short Guide	


Operating Manual

Brushing head

Accessory of the Wire Stripper Type IIB



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29.11.2010		
Short Guide		

SAFETY INSTRUCTIONS

This guide provides tips for your personal security and what you need to take into account in order to avoid damage of property. These notes are highlighted by a warning triangle and are presented according to the degree of danger:

**DANGER!**

means that death, serious physical injury or substantial damage of property, **will** occur, if proper precautionary measures are not taken.

**WARNING!**

indicates that death, serious physical injury or substantial damage of property, **might** occur, if proper precautionary measures are not taken.

**CAUTION!**

indicates that minor physical injury or damage to property **can** occur, if proper precautions are not taken.

**INDICATION!**

shows important information about the product, handling of the product or this part of the documentation needs special attention.

**Qualified
Personell**

The commissioning and operation of the Brushing head may only be performed by qualified personnel. Within the context of the safety notes in this quick guide are persons who have been trained, or worked with this device.

Account for:

For accidents or damage caused by ignoring the security instructions, improper actions or by improper use, the manufacturer can not be held responsible.

**WARNING!**

The Brushing head may only be used for the specification and in the technical description of intended use, and only in combination with the spare parts recommended by the Isomap AG.

The proper and safe operation of the product requires proper transport, storage, installation and assembly, operation and maintenance according to the manufacturer's standards.

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Isomap AG
CH – 3700 Spiez / Switzerland

Disclaimer

We have reviewed the contents of this manual for accordance with the described Brushing head. Since variance can not be excluded, we take no responsibility for complete compliance. The information contained in this publication is regularly checked and necessary corrections included in subsequent editions.

Suggestions for improvements are welcome.

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FOREWORD / IMPORTANT NOTES

Object of this Short Guide The object of this Short Guide is to assist the expert in his training, in handling the Brushing head.

Readership This Short Guide is intended for users of the Brushing head by Isomap AG.

Information-Responsibility The Short Guide and established regulations must be stored, so that the operating and maintenance personnel have access.



INDICATION!

In addition to the short start guide, the service and security guide of this device, or other legally binding regulations that are important to prevent accidents must be carefully followed! The operating and safety manual can be obtained in German from Isomap AG.



INDICATION!

Warranty void if any functional changes are made to the Brushing head.

responsibility of the operator

The Brushing head must only be operated, if in perfect condition. Obstacles between the Brushing head and the customer's facilities, must be removed by the operator. This Short Guide must be read carefully to the end before using the Brushing head.

By obscurity contact us immediately, do not use the device as long as there is any uncertainty. With the commissioning of the Brushing head, you acknowledge that you have read the Short Guide and understood it.




DANGER!

If the Brushing head is used incorrectly, or in bad condition or operated falsely accidents can occur.

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1 Intended Use

The Brushing head ensures a fast and accurate stripping of all commercially available flat or square wires from 0.5 to about 6mm in thickness. It is also possible to remove insulation of enamel wire of high number multiple strands. With the infinitely adjustable brushes faultless, clean wire ends are achieved.



INDICATION!

The device may be used solely for the materials approved by the manufacturer. Any other use is not permitted!



DANGER!

For injuries and damages caused by failure to observe the safety instructions, or due to improper actions, the manufacturer disclaims any liability with regard to operational safety and personal injury

1.1 Limitation of liability

The Brushing head has been tested by the manufacturer before delivery. The electrical installation of the device must be carried out by a competent person and must be monitored.

Isomap AG is not responsible or liable for direct or indirect damage to the Brushing head or for faulty production etc., caused by installation, assembly or mounted accessories (e.g. foot pedal) made by the customer.



INDICATION!

- The user has to ensure that accessories that are not from the Isomap AG, are only put into service by qualified personnel. Qualified personnel in the context of the safety notes in this Short Guide are persons who have been trained to work on this system.

2 Name of system parts

Figure 1 shows the parts of the Brushing head. The images are for your illustration.

Detailed information and the dimensions can be found in the data sheet of the device.

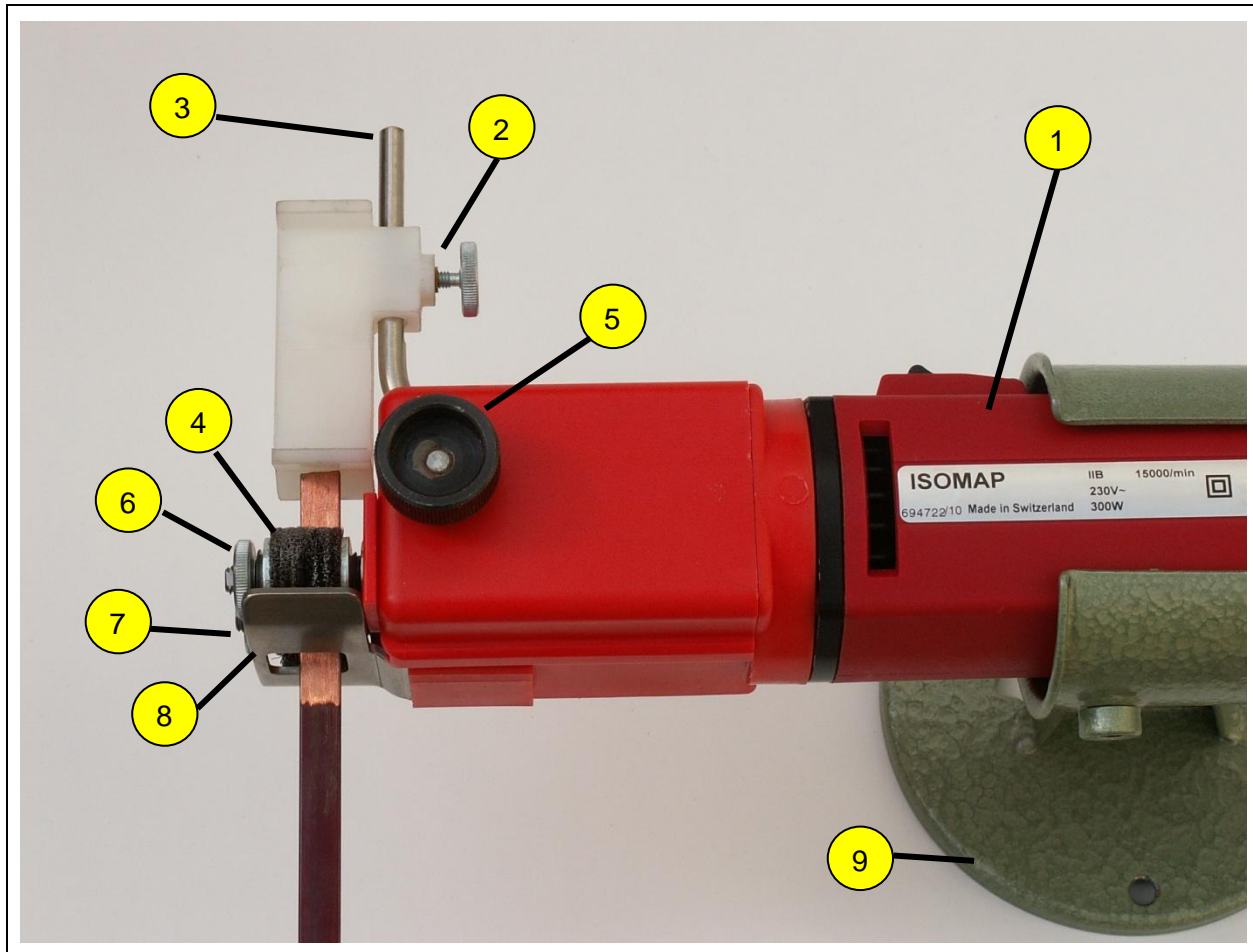


Image 1: Brushing head


Pos.

- 1 Wire Stripper IIB
- 2 End stop, turnable
- 3 Mounting bracket
- 4 Brushes

Pos.

- 5 Thickness adjusting screw
- 6 Fastening nut
- 7 Fastening nut with left hand tread
- 8 Safety plate
- 9 Instrument holder

Table 1: Name of system parts

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3 Delivery contents

Before you start to use your Brushing head, please make sure that your delivery is complete and agrees with the information on the delivery note.

3.1 Damage report

After delivery of the Brushing head any damage due to defective packaging or transport must be reported to the hauler, the insurance and the delivery work.
For contact adress see chapter 6.3.

4 Installation guide

4.1 Unpacking

- Carefully remove the packaging.
- Check the Brushing head for any obvious damage.



INDICATION!

- Check the delivery for its completeness based on the delivery note. (Should it not be complete, please contact our customer service immediately).
- In case of any damage due to defective packaging or transport, contact our customer service, the hauler and the insurance.

4.2 Construction and installation

If the Wire Stripper is mounted on the bracket (accessory), it must be installed so that a proper function is guaranteed, i.e. it may not result in unacceptable static, dynamic, or thermal stresses acting on the Wire Stripper.

The bracket must stand on a firm, even and vibration free surface and be easily accessible for the operator.



DANGER!

The Brushing head may not be exposed to vibration and /or oscillations. These may affect not only the operation, they can also lead to disturbances or accidents!

4.3 Commissioning

Note that when you first start and test run it must be ensured that...

- all installations comply with local regulations,
- all power and control connections are connected and ready for operation,
- all parts are clean and free from dirt,

**DANGER!**

- If the ISOMAP IIB drive and accessories, safety devices, etc. are not tested properly, the function can be affected and serious injuries to personnel and/or massive damage to the Brushing head can occur!

**CAUTION!**

- When commissioning personal protective equipment (goggles and gloves) must be used at all times!
- The rules to prevent accidents as well as the EKAS directives (for work in Switzerland) must be followed.

**INDICATION!**

The user must have read and understood the Short Guide and all the rules.

5 Operation

5.1 Mounting on ISOMAP IIB drive

Line up flat side of the shaft (1) to the flat sleeve of the Brushing head (2) and carefully slide together till the threads (3) meet. Slowly mount the Brushing head by carefully turning to the end of the tread. Be sure that the Brushing head is level with the ISOMAP IIB drive!

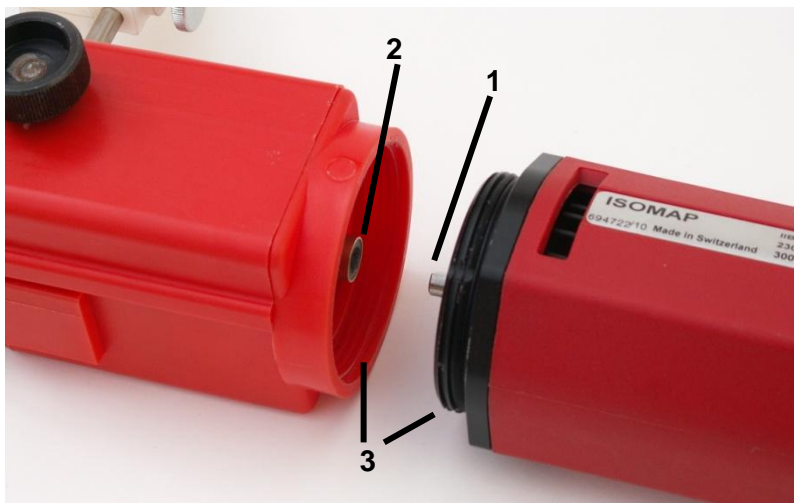


Image 2: Mounting Brushing head

5.2 Adjusting the Brushes

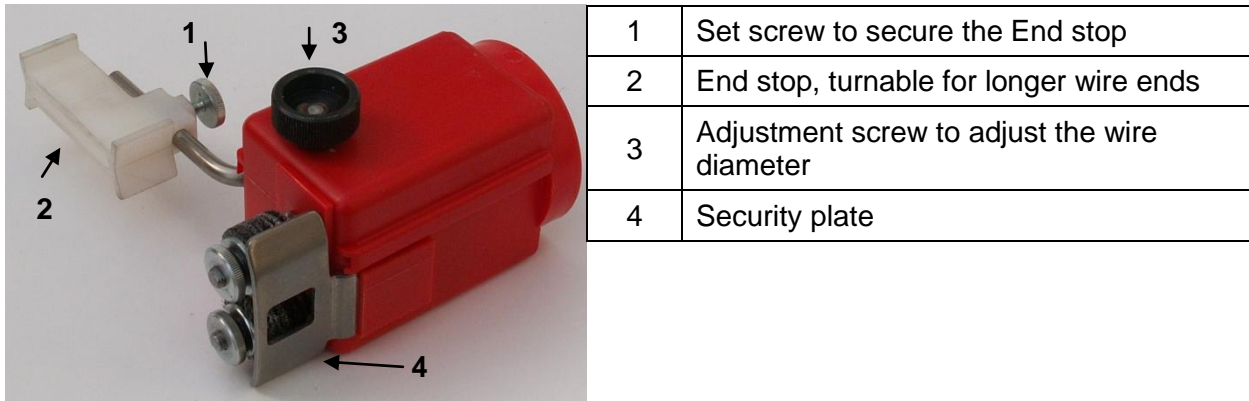


Image 3: adjusting



DANGER!

The tool has extreme force!



INDICATION!

Use of the tool without the ISOMAP IIB drive is not intended. If the tool anyhow is used with another drive, it's important to note the direction of rotation!

5.3 Rough tuning of the Brushing head

1	ON/OFF switch on OFF
2	Loosen set screw (1) a bit
3	Adjust End stop (2) to desired length, turnable for longer wire ends!
4	Insert a wire through the security plate (4) and adjust the brushes with the adjustment screw (3) so that they touch the wire without pressure.
5	Continue with fine tuning



INDICATION!

The setting of the average thickness may only be made in electricity free condition.

5.4 Fine tuning the Brushing head

1	Run a wire centred between the brushes, turn on the device and pull the insulation off
2	If the insulation does not come off, turn the adjustment screw (3) to the right
3	If however the wire is blocked, turn the screw to the left until the wire can be pulled back and the insulation can be removed easily.

**CAUTION!**

Minimize the revolutions to reduce the risk of the wire getting pulled back to hard.

**CAUTION!**


It is particularly important to ensure that no hard objects (e.g. screwdrivers) get into the turning brushes. If objects get into the Brushing head while the motor is running there is an acute risk of accidents! Also the Brushing head is damaged.

5.5 Stripping wire ends

**CAUTION!**

- When operating the ISOMAP IIB drive with the Brushing head personal protective equipment (goggles and gloves and possibly a mask) must be used.

1	ON/OFF switch on OFF
2	Slide wire into the designated opening
3	Hold wire firmly
4	ON/OFF switch on ON
5	Pull wire slowly out of the opening
6	ON/OFF switch on OFF

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DANGER!

- Removing the security plate is strictly prohibited!
- Before operating the ISOMAP IIB drive with the Brushing head:
Make sure the End stop is mounted!
- Operating the device without a security plate and the End stop is prohibited!
- When manufacturing wires, the device must be mounted on the bracket!



INDICATION!

For more frequent and prolonged use (for example manufacturing wires) it's appropriate to wear a respirator mask.

6 Maintenance



INDICATION!


- Do not use hazardous materials for cleaning.
- Do not use any aggressive cleaners.
- Cleaning foam is very aggressive and should therefore only be used on rust free parts. Painted parts, parts made of aluminium, rubber gaskets, engines, transmissions and electrical components must be protected from foam.
- Perform the cleaning always without electricity connected.
- Wear appropriate personal protective equipment (goggles, gloves, and a mask).
- Do not store food or drinks near the Brushing head during the process of cleaning.

The Brushing head is constructed in accordance with applicable statutory requirements and is safe to operate. The device still contains risks, if operated improperly or not in proper condition.

6.1 System maintenance

Note that when cleaning the following items, it must be ensured that...

- For cleaning the Brushing head only suitable cleanser may be used!
- The Brushing head must be cleaned regularly!

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6.2 Cleaning of the Brushing head

It is important that the Brushing heads are free from the fine metal dust.



INDICATION!

- The need for maintenance or service is determined by regular visual inspection, especially in the initial phase of every operation.
- The listed checks / maintenance work might not be complete, they are merely recommended by Isomap AG. The list must be adapted to the operational realities!
- Isomap AG takes no responsibility for any damage due to the lack of instructions in the maintenance plan.

6.3 Service and address for further information

For problems or questions which are not described or can't be solved, please contact the service center of Isomap AG.

The detailed operating and safety manual can be ordered at:

Address : **Isomap AG**

Lattigen


CH-3700 Spiez

Tel.: +41 (0)33 655 90 63

E-Mail: info@isomap.ch

Fax: +41 (0)33 655 90 51

Internet: www.isomap.ch

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7 Spare parts

Spare parts must meet the technical requirements set by the manufacturer. This is always guaranteed with original spare parts. Only use original spare parts. Our guarantee expires when using components from third parties, or not approved of in writing.

Set of two brushes		Part-no.
fine	No. 10	2471
rough	No. 15	2472



INDICATION!

- Consumables and spare parts are affected, depending on the appropriate delivery and not always available at short notice by the manufacturer.
- Note that due to delayed availability of spare parts, consequential loss of production can occur.
- We recommend you keep replacement parts in your warehouse.
- When ordering spare parts, indicate unit number, device type and item number.

7.1 Disposal

According to the regulations for electronic waste in the countries concerned. The devices can also be returned to Isomap AG for free (postage to be paid by sender).

8 Warranty

The warranty on the Brushing head is one year. The brushes are consumables, on which there is no warranty.