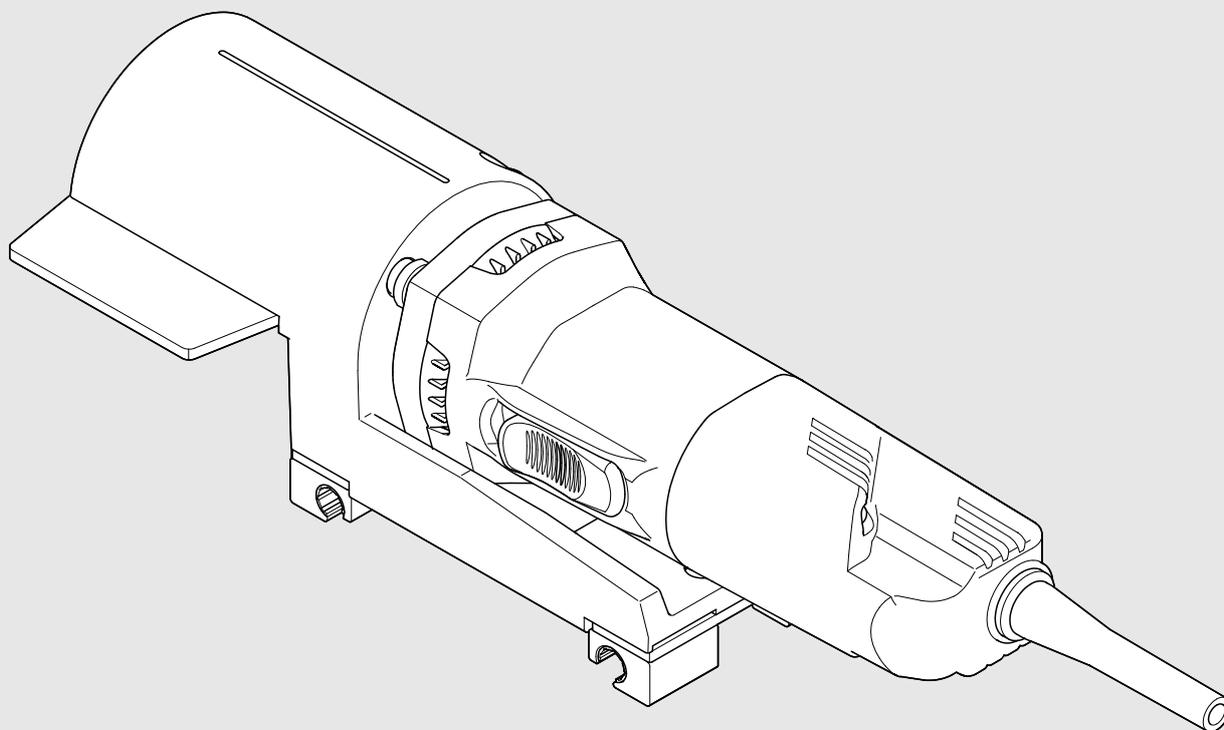


M35.ZS00 – additional carriage



Safety, set-up, operating and maintenance instructions

EN



The additional carriage may only be used in combination with the base router.



Ensure that the instructions have been fully read and understood before installing and operating the additional carriage. Only properly trained and authorised staff may operate the additional carriage.

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4	Warning signs
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A – Safety Handling

- Please read the instruction leaflet and safety information before starting up the additional carriage.
- We recommend that you use the reference diagrams to make it easier to identify the parts being described.

Safety principle

The additional carriage complies with current safety standards. Nevertheless, there will still be certain residual risks if the information contained in this instruction leaflet is not observed.

Residual risk according to DIN ISO EN 12100

- The additional carriage is equipped with all the necessary protection features.
- However, there will still be some residual risks for the user, particularly when removing the protective equipment or when control units fail.
- Other residual risks are identified by warning signs and safety information. It is therefore necessary to observe the safety information.

Intended use

The additional carriage is only intended to be used to process drawer bases for Blum LEGRABOX and TANDEMBOX. The additional carriage may only be used under the following conditions:

- The additional carriage may only be operated by fully trained specialist staff.
- The additional carriage may only be used in combination with the base router.
- The additional carriage has been designed for professional traders.
- Only particle board and medium-density fibreboard (MDF) may be used as materials.
- The device should only be installed in dry, enclosed rooms.
- Only for drawer bases with a thickness of 15 –19 mm (depending on the device type)
- Only original Blum tools may be used.
- No liability can be accepted for any other use.

Foreseeable misuse

No solid wood or hard wood or plastic may be processed.

Responsibilities

The operator

- must ensure that the additional carriage is only operated and maintained by sufficiently trained staff, who have read and understood the instruction leaflet, and, most importantly, the safety section;
- is responsible for ensuring that the additional carriage is kept in a safe operating state;
- will stop using the additional carriage immediately when faults occur which jeopardise safety.

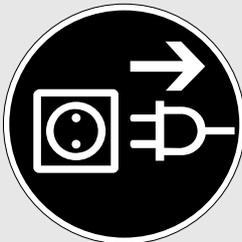
Risk levels

	WARNING
<ul style="list-style-type: none"> ■ WARNING indicates a danger that could lead to serious injury if not avoided. 	

	CAUTION
<ul style="list-style-type: none"> ■ CAUTION indicates a danger that could lead to injury if not avoided. 	

	NOTE
<ul style="list-style-type: none"> ■ The NOTE sign indicates information that should be observed. 	

	<table border="1"> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">WARNING</td> </tr> <tr> <td colspan="2"> <p>Serious cuts. Failure to heed this warning may result in personal injury.</p> <ul style="list-style-type: none"> ➤ Only push the additional carriage by the handle. </td> </tr> </table>		WARNING	<p>Serious cuts. Failure to heed this warning may result in personal injury.</p> <ul style="list-style-type: none"> ➤ Only push the additional carriage by the handle. 	
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	WARNING				
<p>Serious cuts. Failure to heed this warning may result in personal injury.</p> <ul style="list-style-type: none"> ➤ The base router must be disconnected from the power supply before set-up, cleaning and maintenance. 					

- The additional carriage is designed to only be operated by **one** person.
- Ensure there is sufficient lighting.
- Before starting work, you should check that the protective equipment and machine parts are functioning properly. Any damaged parts should be replaced by original parts from Blum.
- Do not make any changes or alterations to the additional carriage.
- For your own safety, use only those accessories which are recommended or specified in the instruction leaflet or Blum sales catalogue.
- Check the electrical cable for damage.

- Failure to observe the instructions and warnings given for this additional carriage may result in serious injury.
- This instruction leaflet should be accessible at all times.

Warning signs



Before connecting the additional carriage to the power supply, you must ensure that you have understood ALL the safety instructions, warning signs and the instruction leaflet.



Keep non-authorized persons away from the additional carriage.

Only one person should operate the additional carriage at a time.



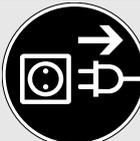
Always wear eye protection when operating this machine.



Always wear ear protection when operating this machine.



Danger of being crushed!

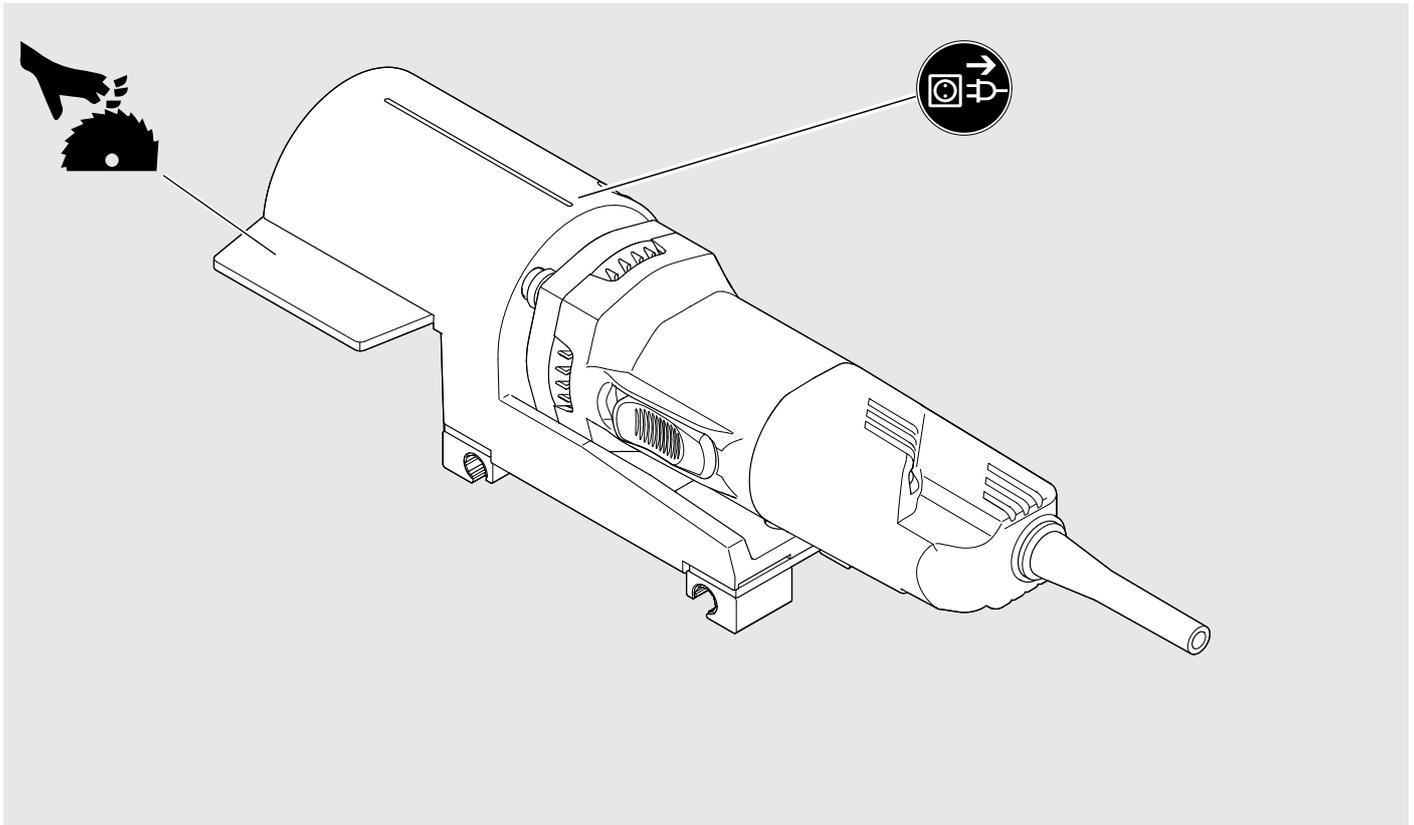


The additional carriage must be disconnected from the power supply before cleaning and maintenance.

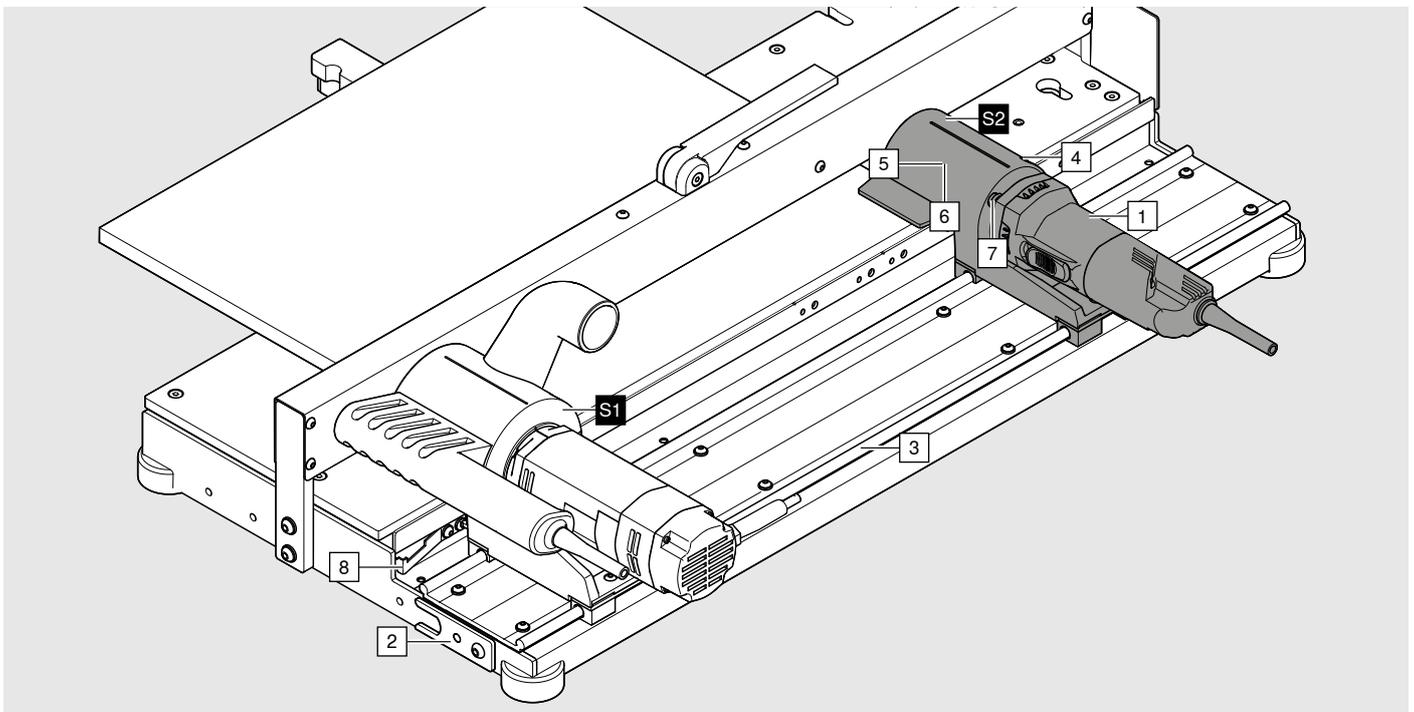


Serious cuts.

Position of warning signs



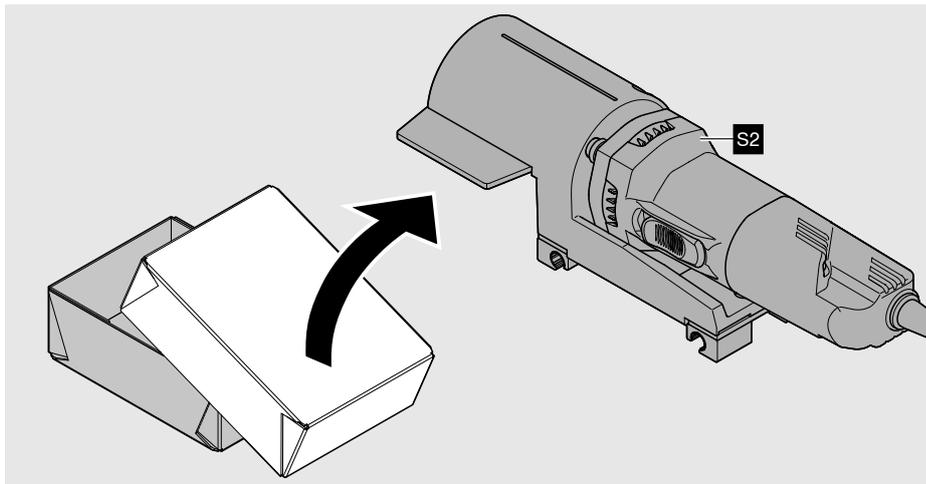
B – Reference diagrams



- | | | |
|-------------------------------|-------------------------|---------------------------|
| S1 Carriage | 3 Runner | 7 Adjustment screw |
| S2 Additional carriage | 4 Clamping screw | 8 Spring |
| 1 Router motor | 5 Cutter | |
| 2 Shaft holder | 6 Chuck | |

C – Assembly

Unpacking



- Unpack the additional carriage [S2] and place it on the workbench.

Assembly



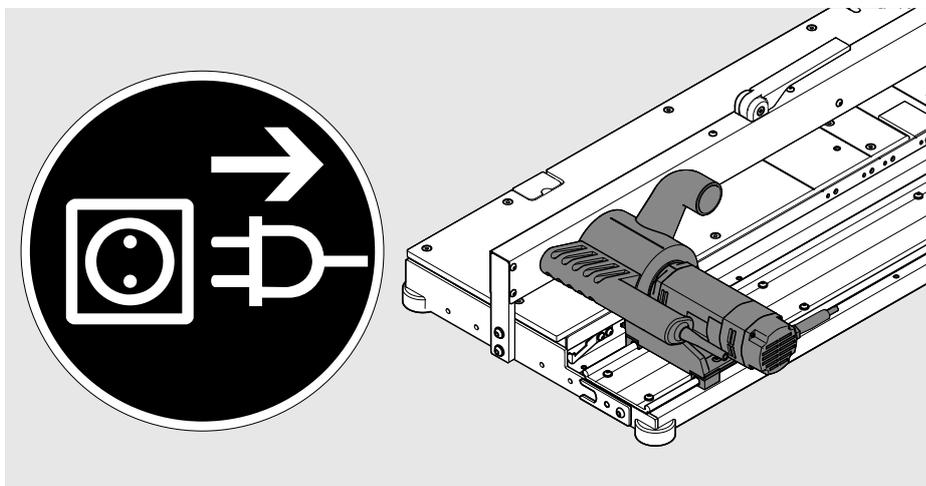
WARNING

Serious cuts.

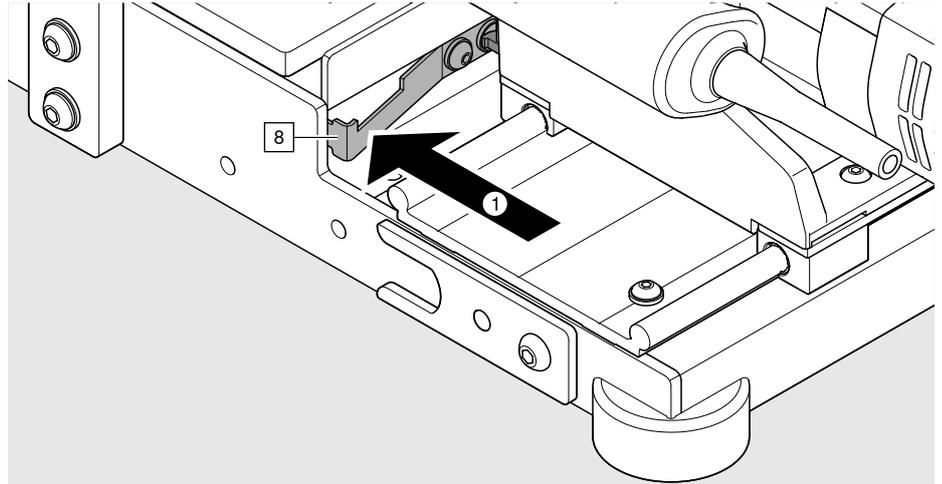
Failure to heed this warning may result in personal injury.



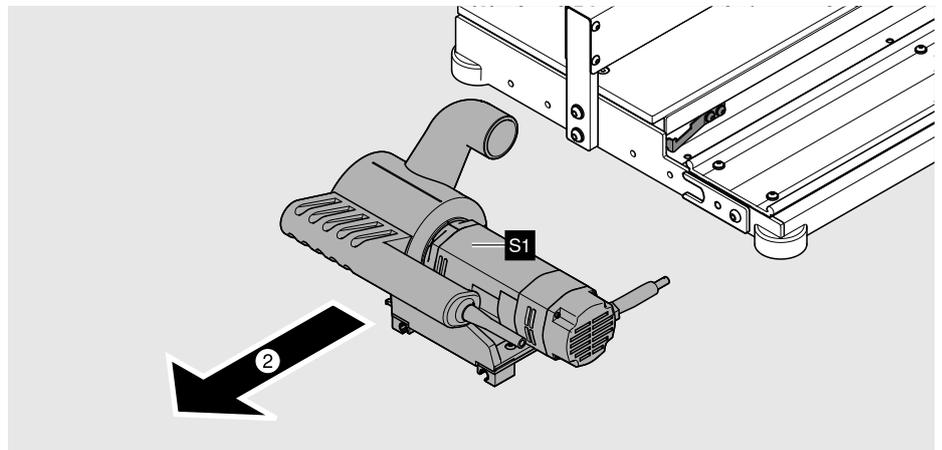
- The base router must be disconnected from the power supply before set-up, cleaning and maintenance.



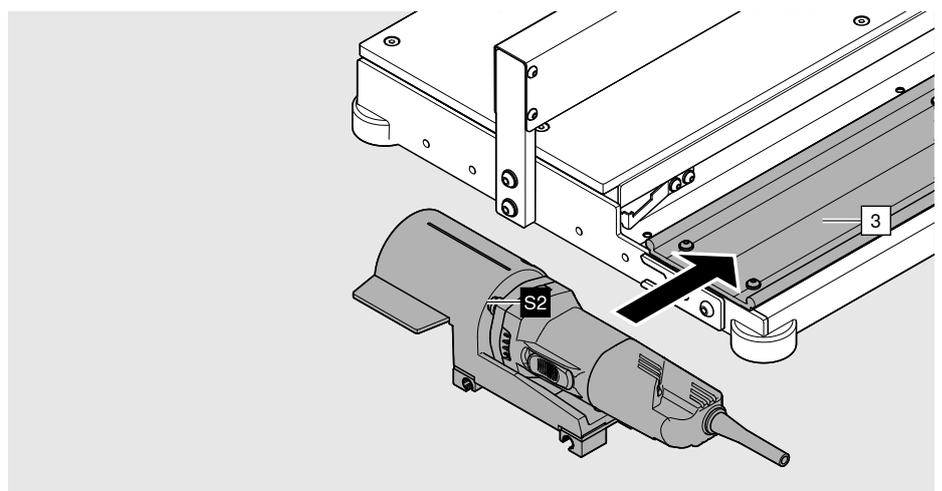
- Disconnect the base router from the power supply.



- Press the spring [8].



- Remove the carriage [S1] and place it on the workbench or wooden panel.

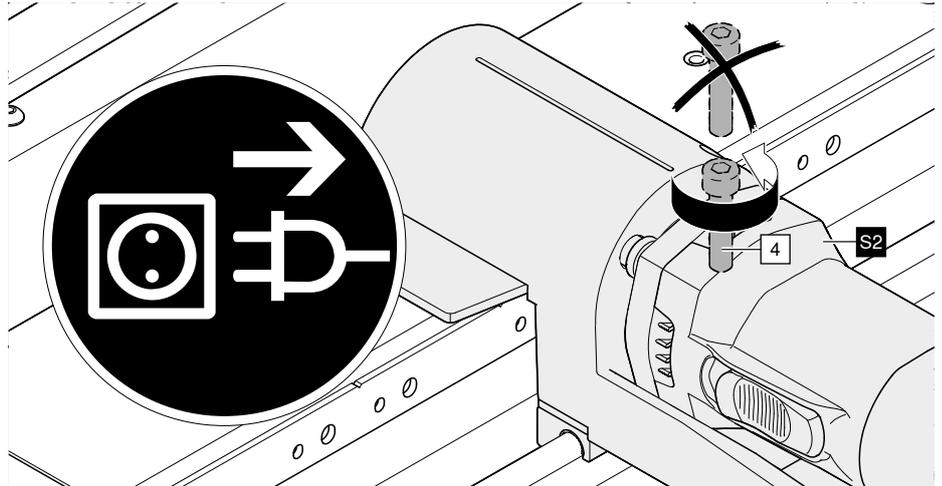


- Push the additional carriage [S2] carefully on to the runner [3].

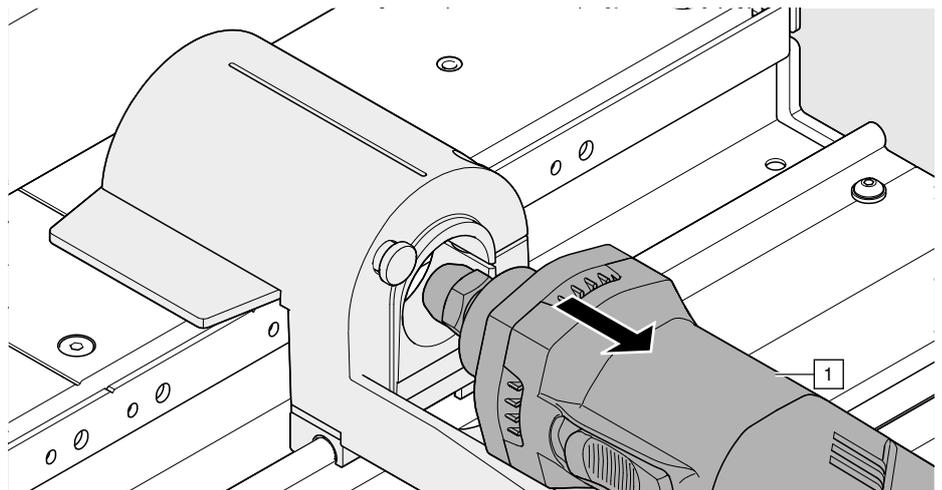
i NOTE

- The timber stop (M35.ZT01) may only be used in combination with the additional carriage (M35.ZS01).

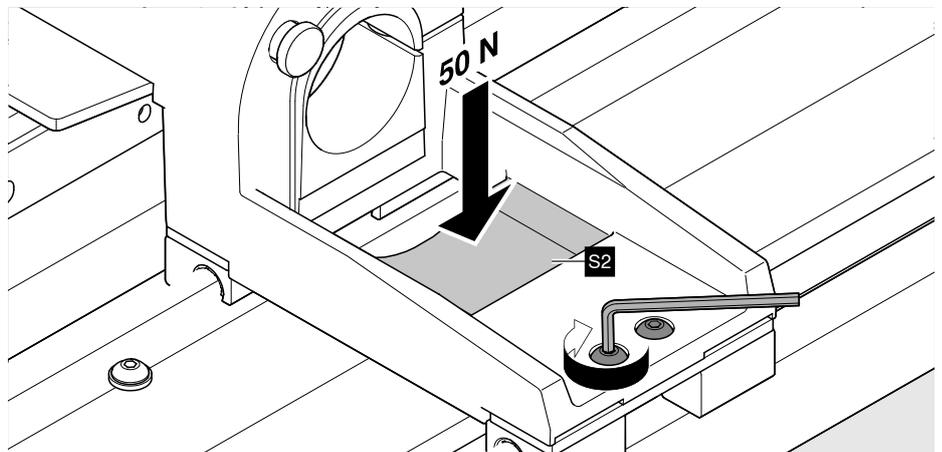
Align the additional carriage [S2]



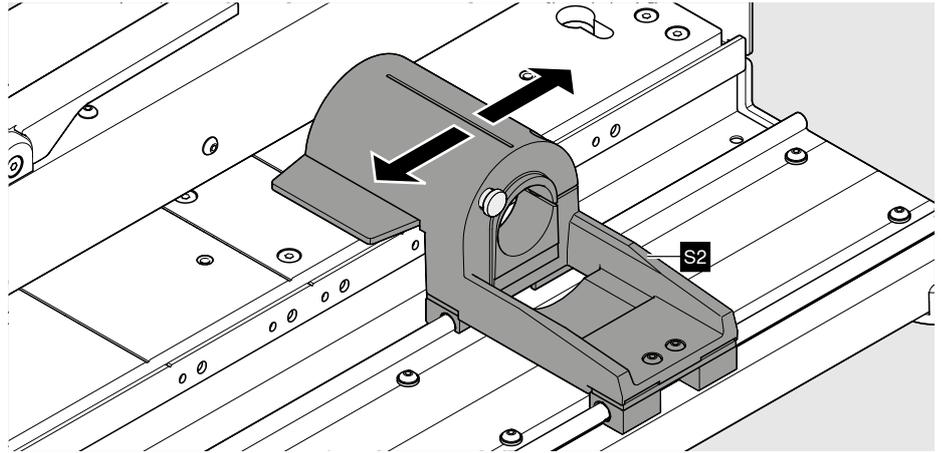
- The base router and motor must NOT be connected to the power supply.
- Loosen the clamping screw [4] by turning it four times.
- Do not remove the clamping screw [4].



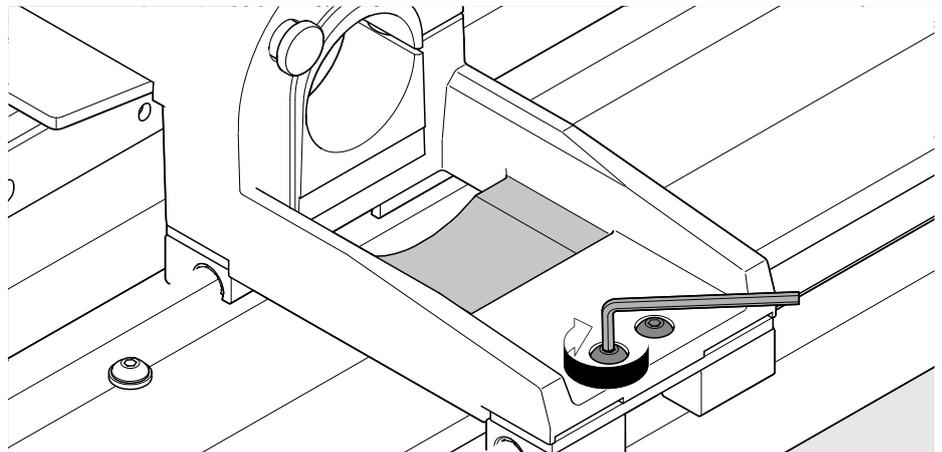
- Carefully remove the motor [1].



- Press the additional carriage [S2] down with a force of 50 newtons.
- Loosely tighten the screws.

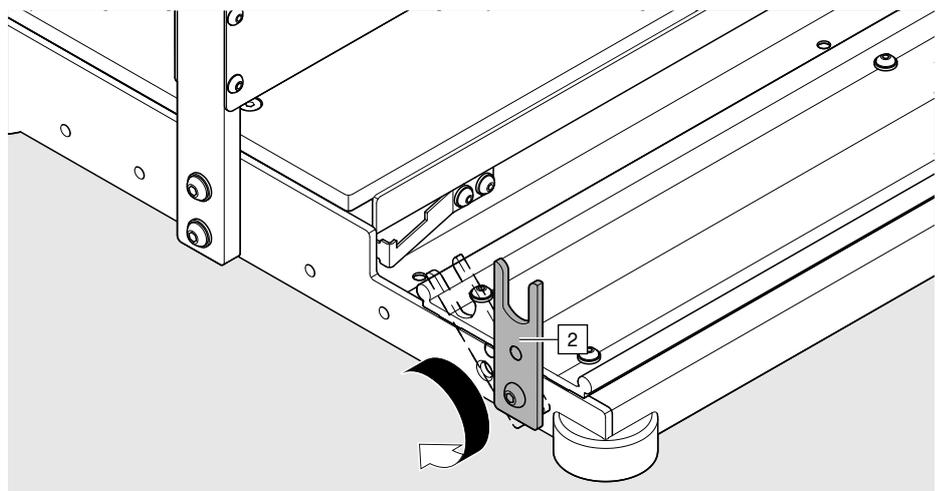


- The additional carriage [S2] should slide smoothly on the runner [3].

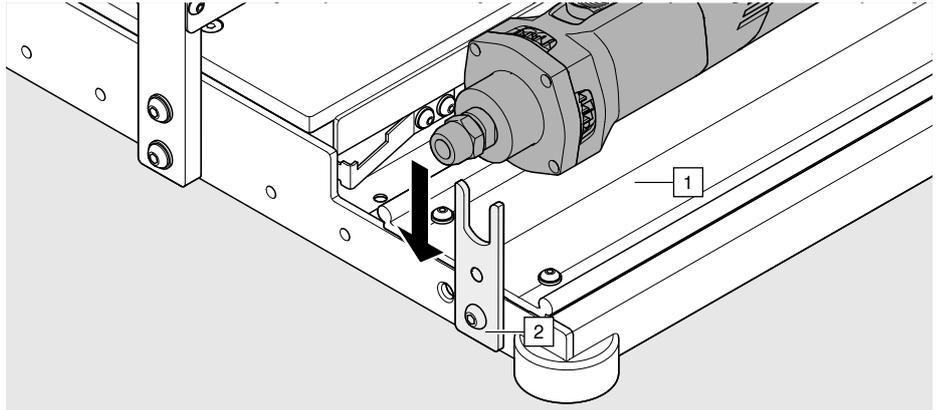


- Tighten the screws securely.

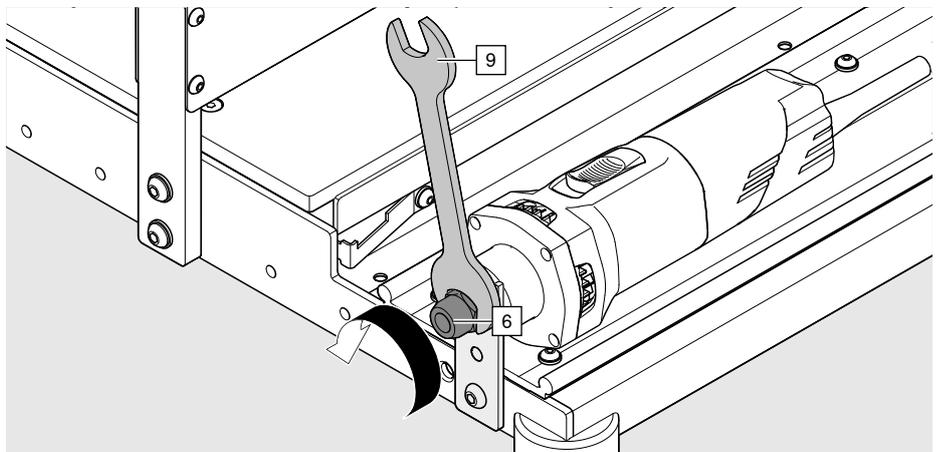
Install the cutter [5]



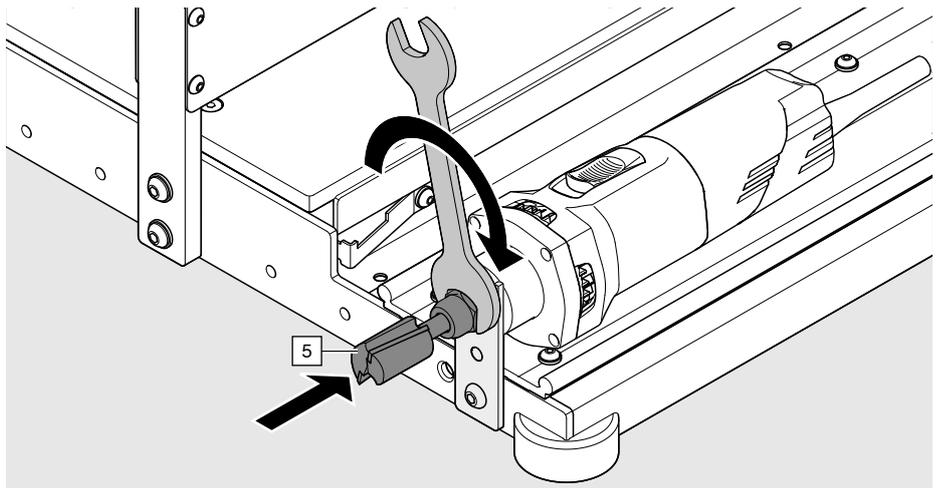
- Swivel out the shaft holder [2].



- Place the motor [1] in the shaft holder [2].



- Open the chuck [6] by turning it four times using a spanner 19/22 [9].

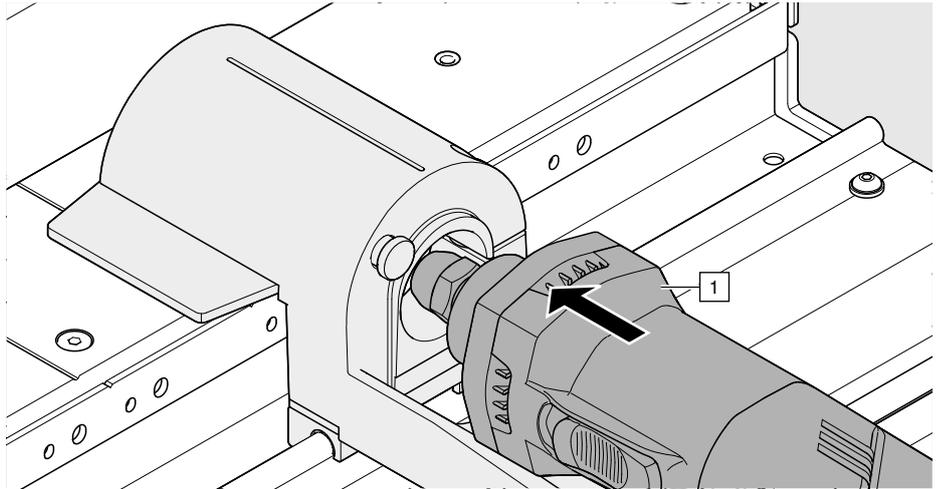


- Push the cutter [5] up to the stop in the motor and then close the chuck.

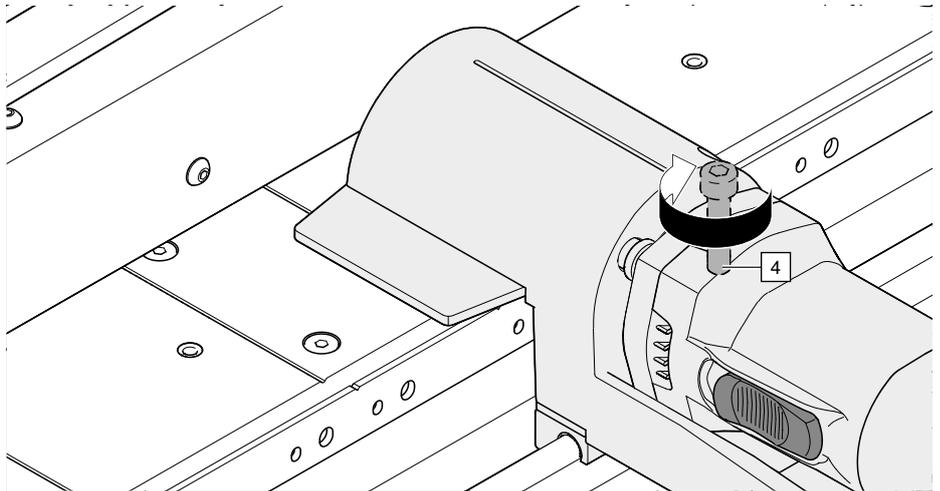
i NOTE

- You must ensure that the cutter [5] has been pushed all the way to the stop. If the cutter [5] has not been pushed all the way to the stop, this may impair the dimensional accuracy of the rebate.

Install the motor [1]

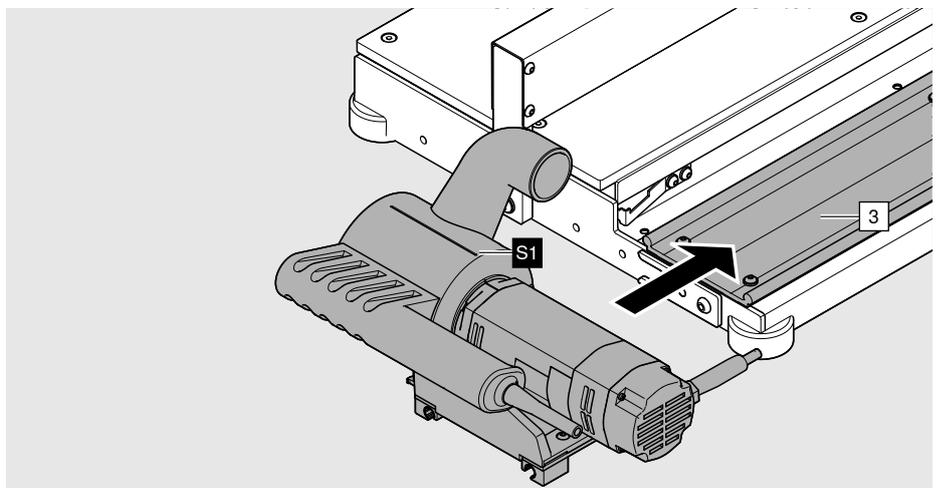


- Push the motor [1] carefully to the stop.



- Tighten the clamping screw [4].

Install the carriage [S1]



- Push the carriage [S1] carefully on to the runner [3].

D – Adjustment

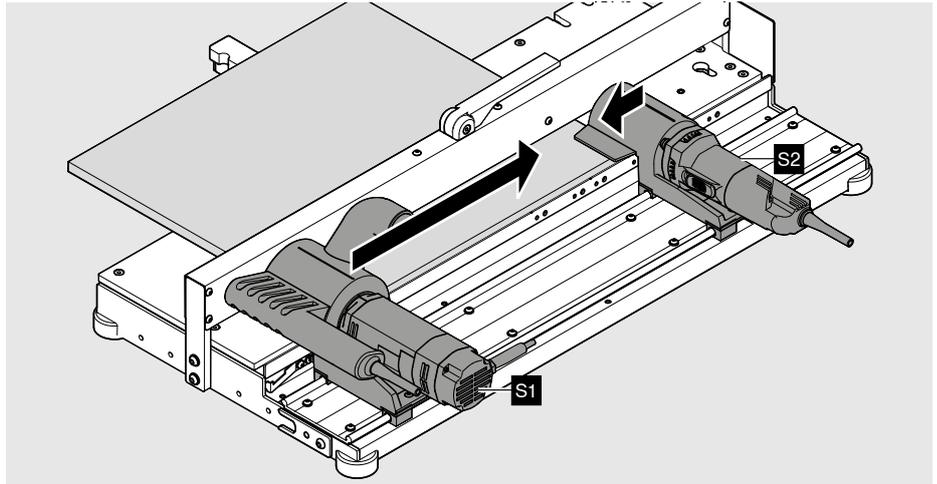
Create a test rebate



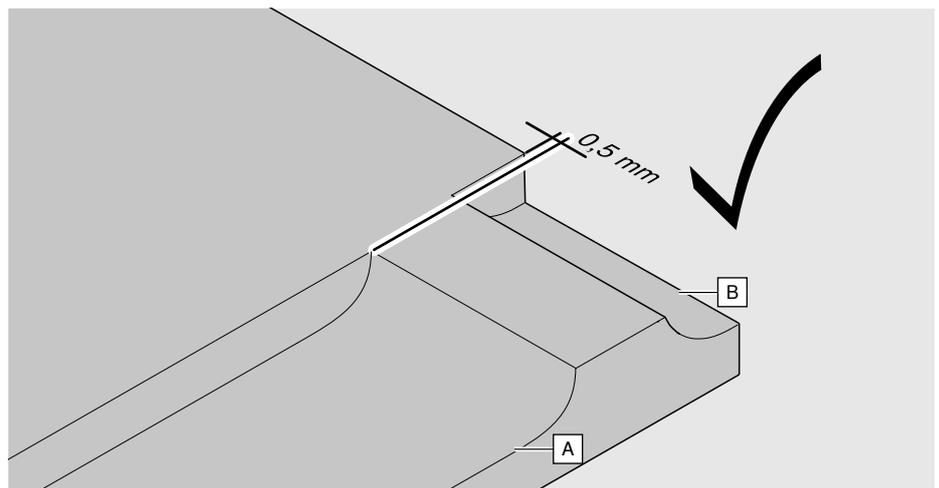
WARNING

Cutting tools can cause serious injury.

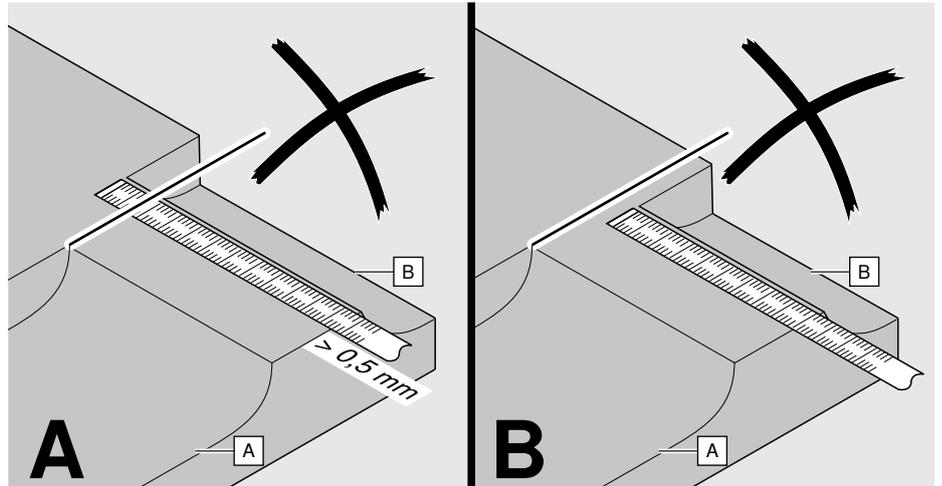
- Only one person should operate the base router at a time.
- Wear eye protection.
- Wear ear protection.



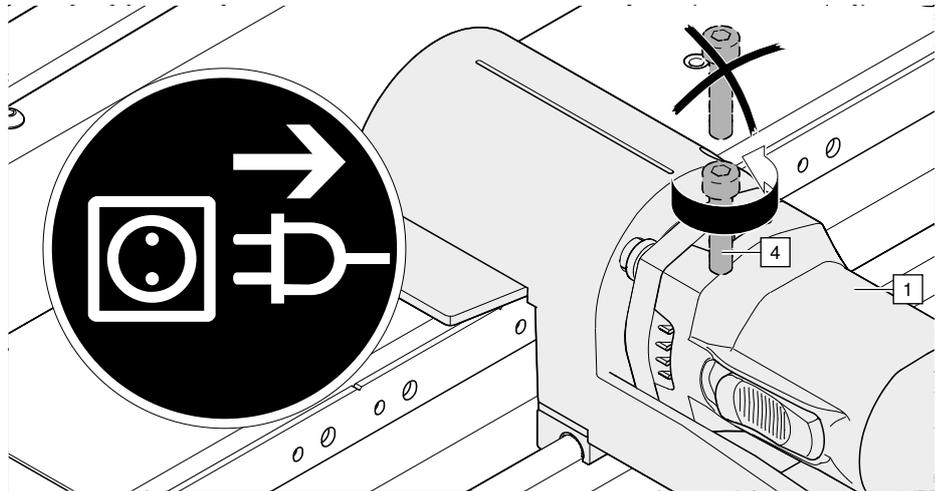
- Mill the workpiece at the rear using the additional carriage [S2].
- Use the carriage [S1] to mill up to the centre of the workpiece.



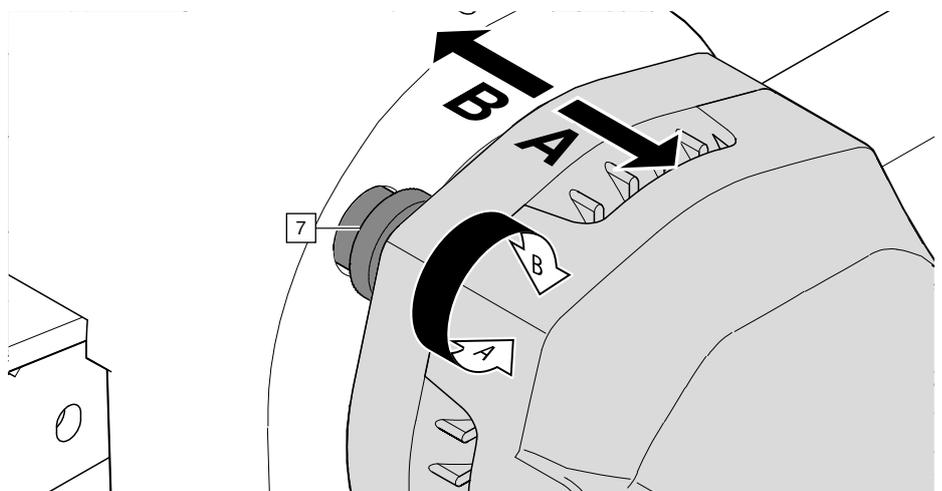
- Rebate [B] must be 0.1–0.5 mm larger than rebate [A].
- If rebate [B] is incorrect, proceed as follows:



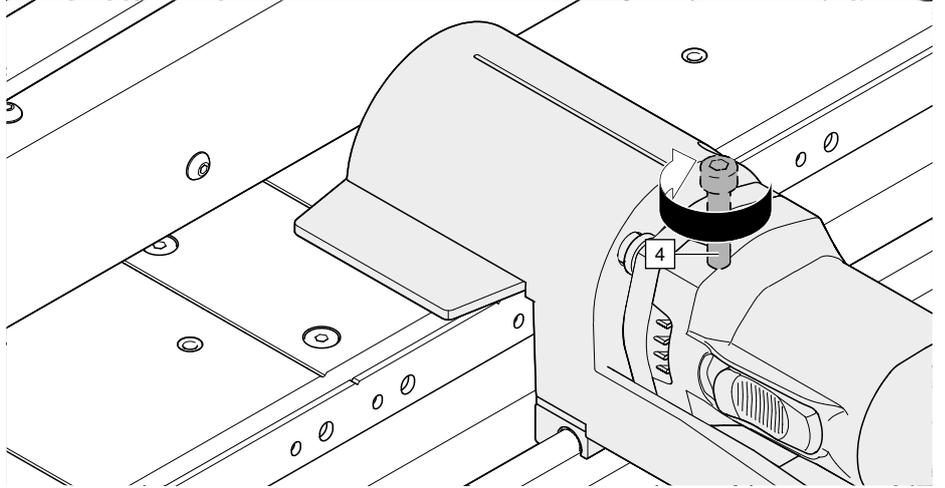
- Adjustment direction A if the rear rebate [B] is larger than 0.5 mm.
- Adjustment direction B if the rear rebate [B] is smaller.



- Loosen the clamping screw [4], ensuring that you do not remove the motor [1].

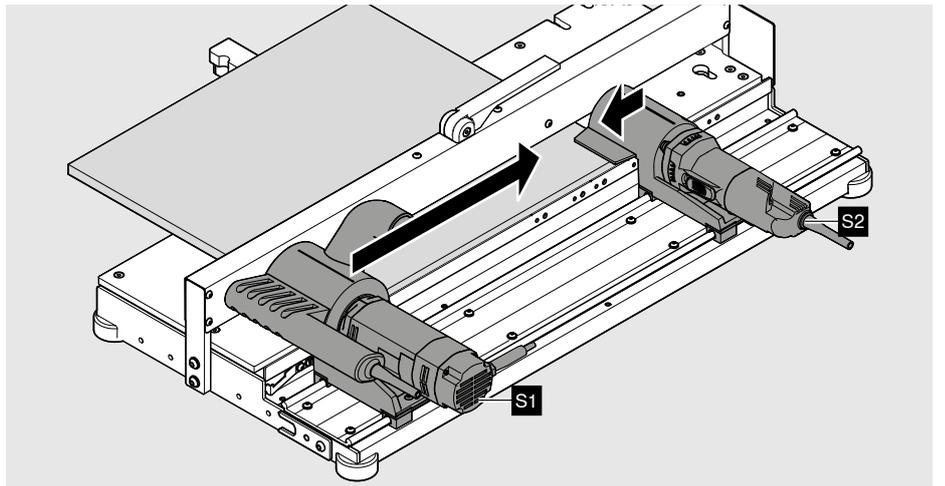


- Turning the adjustment screw [7] once is equivalent to an adjustment of 1 mm.

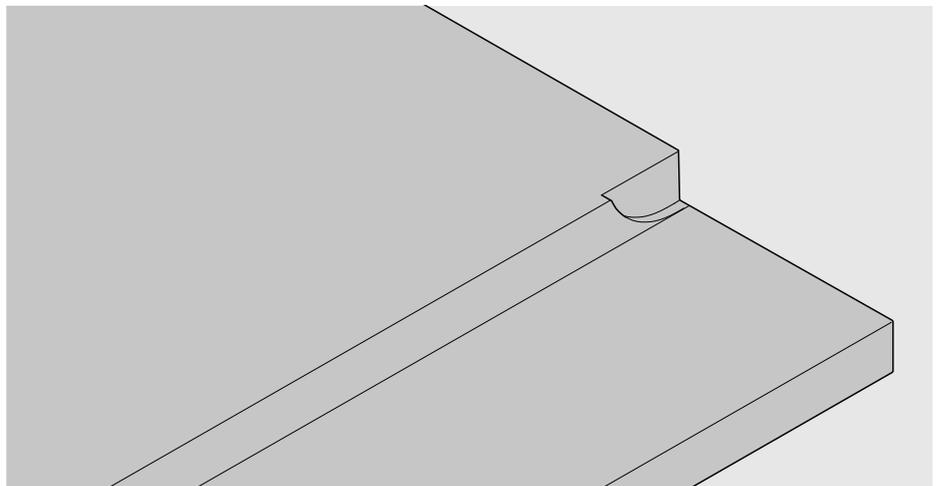


- Tighten the clamping screw [4].

E – Machining the workpiece



- Mill the workpiece at the rear using the additional carriage [S2].
- Use the carriage [S1] to mill through the entire workpiece.

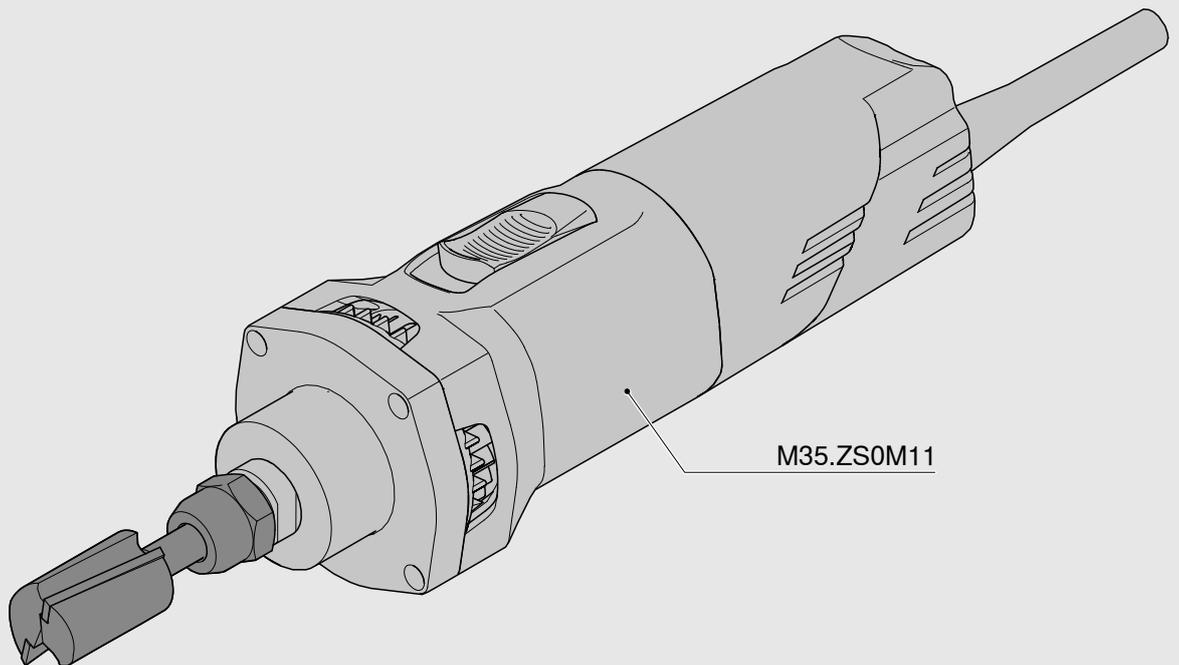


F – Troubleshooting

Fault	Possible cause	Remedy
Incorrect rebate dimensions	Workpiece not clamped correctly	➤ See page 15
	Dirty stops	
	Dirty work plate	
	Workpiece is not flat against the support	
	Cutter worn out	➤ See page 10/11
	Cutter sharpened	➤ See page 10/11
	Bearing not adjusted properly	➤ See page 9
Strong vibrations on the motor	Incorrect material	➤ See page 3
	Cutter not screwed tightly	➤ See page 10/11
	Motor in the additional carriage not clamped	➤ See page 15
	Cutter broken or not sharp Change or sharpen cutter	➤ See page 10

G – Spare parts

When ordering spare parts, state the year of construction and serial number.



H – Scope of delivery

Additional carriage	M35.ZS00
Allen key 4	
Spanner 19/22	

Disposal

- Dispose of all mechanical components of the additional carriage in accordance with local regulations.
- Dispose of all electrical components of the additional carriage in a separate collection for electrical and electronic appliances in accordance with local regulations.

I – EC Declaration of Conformity

We, Julius Blum GmbH, Industriestrasse 1, 6973 Höchst, Austria, take full responsibility in declaring that the additional carriage product (M53.ZS00) for the base router (M35.XXXX) to which this declaration refers complies with the following EC Directives:

EC Machine Directive	2006/42/EC
EC EMC Directive	2004/108/EC
EC RoHS Directive	2011/65/EC

Höchst, 10/02/2015
Hermann Weissenhorn
Manager, Technology
www.blum.com

Documentation authorised agent:
Thomas Maier
www.blum.com

Technical data

Only use in dry, enclosed rooms.

Dimensions/weight:

Height: _____ 108 mm
Width: _____ 122 mm
Depth: _____ 351 mm
Weight: _____ 3,2 kg

Energy:

Voltage: _____ 1x 230-240 V 50-60 Hz
Power: _____ 1000 W

Sound:

Emission – Sound pressure level (LA_{eq}): _____ 92 dB(A)
Sound power level tolerance measurement uncertainty: _____ +/- 4 dB(A)

Temperature:

Operation: _____ 5–40°C
Storage: _____ -20–70°C

Workpiece:

Nominal length of drawer base: _____ 270–650 mm
Cabinet width: _____ 275–1200 mm
Panel thickness: _____ 15–19 mm

Serial tag

	
Ser.No.: 	
3,2 kg / 7 lbs	
Zusatzschlitten	
Ref.No.: M35.ZS00	
Julius Blum GmbH - A - 6973 Industriestrasse 1	

Device type: Additional carriage

Blum partners worldwide can be found at:
www.blum.com/addresses

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