

 Original Instruction Manual  
**Woodworking Lathe**

**Einhell**<sup>®</sup>

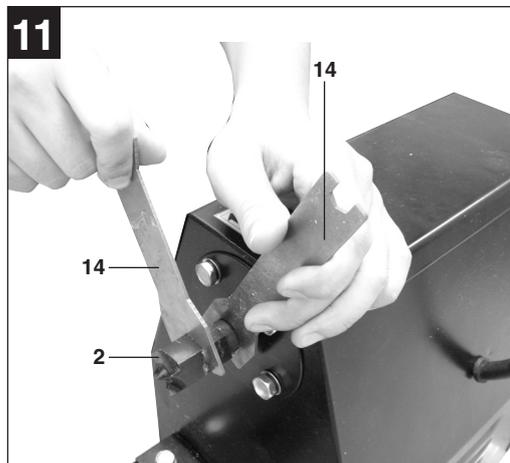
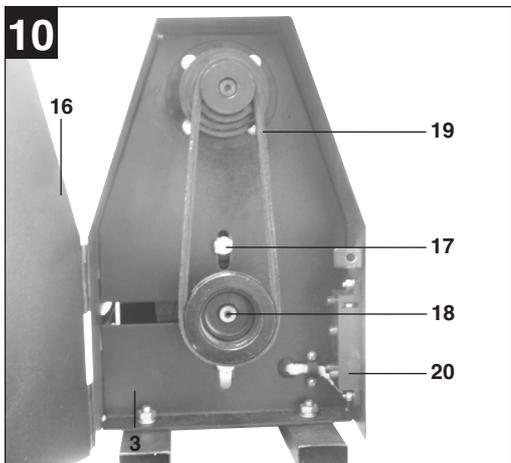
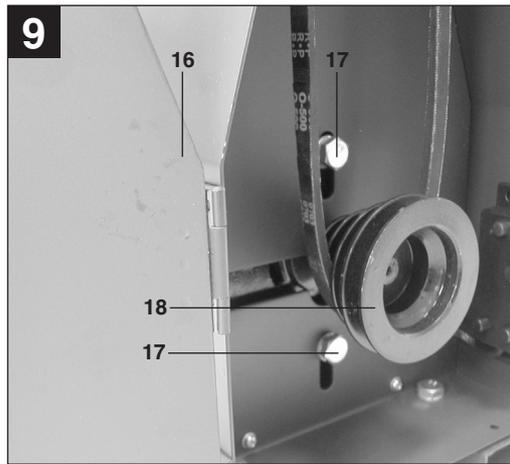
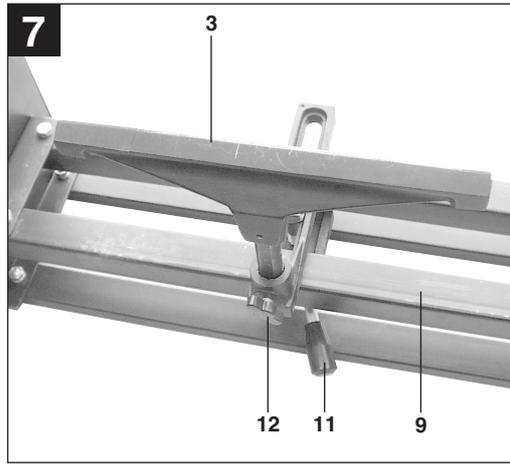
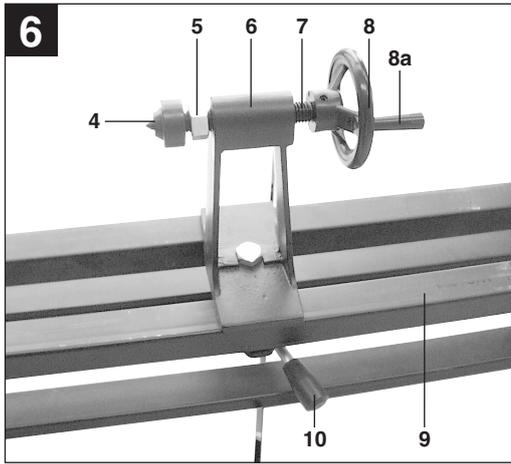
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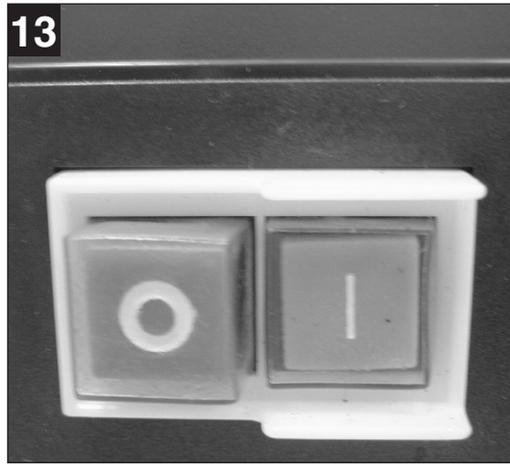
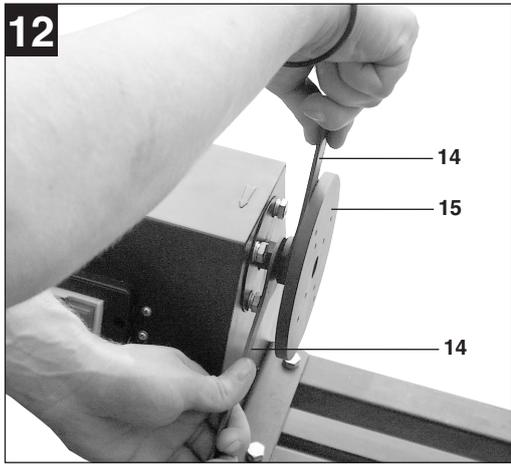
**Art.-Nr.: 43.121.03**

**I.-Nr.: 11012**

**BT-WW 1000**







**⚠ Important.**

When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety information with due care. Keep this manual in a safe place so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and the safety information as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety information.

**1. Safety information**

Please refer to the booklet included in delivery for the safety information.

**⚠ CAUTION**

Read all the safety information and instructions. Failure to follow the safety information and instructions may result in an electric shock, fire and/or serious injury. Keep all the safety information and instructions in a safe place for future use.

**2. Layout**

**2.1 Layout (Fig. 1)**

1. On/ Off switch
2. Spur Center
3. Toolrest
4. Live center
5. Clamping screw
6. Tailstock
7. Tailstock spindle
8. Handwheel
- 8a. Handle (for handwheel)
9. Machine bed
10. Quick release lever for tailstock
11. Quick release lever for toolrest
12. Wingnut
13. Safety screw
14. Spanner/ Allen key
15. Face plate

**2.2 Items supplied**

- Open the packaging and take out the equipment with care.
- Remove the packaging material and any packaging and/or transportation braces (if available).
- Check to see if all items are supplied.
- Inspect the equipment and accessories for transport damage.
- If possible, please keep the packaging until the end of the guarantee period.

**IMPORTANT**

The equipment and packaging material are not toys. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating!

- Woodworking lathe
- Tailstock
- Spur center
- Toolrest
- Face plate
- Spanner
- Wingnut
- Handwheel
- Handle (for handwheel)
- Original operating instructions
- Safety instructions

**3. Intended use**

This woodworking lathe is designed for working with wood, using suitable. It is intended for use in the private sector only.

The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the equipment is used in commercial, trade or industrial businesses or for equivalent purposes.

## 4. Technical data

Rated voltage:	230 V ~ 50 Hz
Power rating:	350 W S2 30 min
Idle speed motor:	1400 min <sup>-1</sup>
Idle speed spindle:	810/ 1180/ 1700/ 2480 min <sup>-1</sup>
Bed length:	1000 mm
Lathe diameter:	356 mm
Protection class:	IP 20
L <sub>pA</sub> sound pressure level	62.5 dB(A)
K <sub>pA</sub> uncertainty	3 dB
L <sub>WA</sub> sound power level	75.5 dB(A)
K <sub>WA</sub> uncertainty	3 dB
Weight:	32 kg

### Load factor:

A load factor of S2 30 min (intermittent periodic duty) means that you may operate the motor continuously at its nominal power level (350 W) for no longer than the time stipulated on the specifications label (30 minutes ON period). If you fail to observe this time limit the motor will overheat. During the OFF period the motor will cool again to its starting temperature.

### Sound:

Sound and vibration values were measured in accordance with EN 61029. The sound at the workplace can exceed 85 dB (A). In that case sound is required.

### Residual risks

Even if you use this electric power tool in accordance with instructions, certain residual risks cannot be ruled out. The following hazards may arise in connection with the equipment's construction and layout:

1. Lung damage if no suitable protective dust mask is used.
2. Damage to hearing if no suitable ear protection is used.
3. Health damage caused by hand-arm vibrations if the equipment is used over a prolonged period or is not properly guided and maintained.

## 5. Before starting the equipment

**Pull the power plug before doing any maintenance or assembly work on the equipment.**

- The machine must be set up so that it stands firmly, i.e. it must be securely screwed to a work bench or similar.
- All covers and safety devices have to be properly fitted before the machine is switched on.
- It must be possible for the grinding wheel to run freely.
- Check that the voltage on the rating plate is the same as your supply voltage before you connect the machine to the power supply.
- Carry the machine by lifting the machine bed (9). Consider the weight of the machine (32 kg).

### 5.1 Assembly (Fig. 2-5)

- Screw the wingnut (12) to the toolrest (3) as shown in Fig. 2.
- Push the handwheel (8) onto the tailstock spindle (7) as shown in Fig. 3. Make sure the allen screw on the handwheel (8) slides over the flat part of the tailstock spindle (7). Tighten the Allen screw with the provided Allen key (Fig. 4) and screw the handle (8a) onto the hand wheel (8) (Fig. 5).

### 5.2 Adjusting the tailstock (Fig. 6)

- Loosen the lever (10) to slide the tailstock (6) along the machine bed (9).
- Set the optimal clamping pressure via the handwheel (8). Then secure the tailstock spindle (7) with the counter nut (5).

### 5.3 Adjusting the toolrest (Fig. 7)

- Loosen the wingnut (12) to change the height of the toolrest (3).
- Loosen the lever (11) to slide the toolrest (3) along the machine bed (9).
- Position the toolrest (3) as close as possible to the workpiece without touching it.

### 5.3 Setting the speed (Fig. 8-10)

- Pull the power plug.
- Loosen the safety screw (13), open the belt cover (16) and loosen the adjusting bolt (17). Lift the belt pulley (18) slightly to take the tension of the belt (19).
- Change the belt (19) to the required position (be aware of the alignment!)

- The belt (19) tightens by lowering the motor.
- After setting the speed, re-tighten the adjusting bolt (17), close the belt cover (16) and screw the safety screws (13) back in.
- Refer to the table inside the belt cover (16) for recommended speeds.

#### 5.4.1 Choosing the correct speed

- Always use the lowest speed when working on a new workpiece and increase the speed slowly.
- Choose the speed according to the table inside the belt cover (16). Start on low speed if the workpiece is not round.
- Choosing the right speed depends on various factors (e.g. size, material, imbalance of the workpiece)
- Rule of thumb: for big, hard, out of round workpieces - low speed

#### 5.5 Changing from spur center to face plate (Fig. 11-12)

- Use the supplied spanners (14) to loosen the spur center (2). Put one of the spanners on the spindle just behind the spur center (2).
- Use the second spanner (14) to loosen the spur center (2) by turning it anti clockwise while holding with the other spanner against it. Take the spur center (2) off the spindle.
- Screw the face plate (15) onto the thread of the spindle and tighten it with the two spanners (14).

#### 5.6 Spur center and revolving live center (Fig. 1)

- The spur center (2) is used to transfer the motor power between the centers onto the workpiece.
- When positioning a workpiece between the spur center (2) and the live center (4), make sure the center hole is drilled deep enough.  
Center drill diameter: 5-8 mm.  
Clamping pressure not too high. If the clamping is too high, the workpiece might bent and break.
- To avoid damage of the threads and bearings, use rubber or wood hammer to put the spur center (2) into position on the face side of the workpiece.
- The revolving live center (4) prevents the center hole in the workpiece to burn out.

## 6. Operation

### 6.1 Important operating instructions

- Check the workpiece for branches and drying cracks. Only use wood without cracks and big branches (adjust the clamping pressure accordingly if the workpiece has small branches).
- Always test by hands that the workpiece is fixed properly. Important! Pull power plug.
- Only use original lathe chisels which are properly sharpened.
- Do not stand in the fly circle of the workpiece when working on a wood disc.
- Pre-cut big and imbalanced wood pieces with a band or drop saw. Big imbalance of the workpiece risks your safety and the life of the machine.
- Always start on the lowest speed when working on a new workpiece and slowly increase the speed.
- Never use wood with shrinkage cracks.
- Do not use workpieces bigger than the max. size allowed (refer to Section 4).
- If the machine gets stuck, pull power plug before doing any repair.
- Fix the workpiece between spur center (2) or face plate (15) and live center (4). First tighten the tailstock (6) with the release lever (10). Then fix the workpiece by turning the handwheel (8).
- Position yourself at the machine in a way that enables you to support the lathe chisel on the tool rest (3).

### 6.2 On/ Off switch (Fig. 13)

- Press the green switch 'I' to switch on the machine.
- Press the red switch 'O' to switch off the machine.

## 7. Cleaning, maintenance and ordering of spare parts

Always pull out the mains power plug before starting any cleaning work.

### 7.1 Cleaning

- Keep all ventilation holes, safety devices and the motor housing free of dirt and dust as far as possible. Wipe the machine with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the equipment immediately after you use it.
- Clean the appliance regularly with a damp cloth and some soft soap. Do not use cleaning agents or solvents; these may be aggressive to the plastic parts in the appliance. Ensure that no water can get into the interior of the equipment.

### 7.2 Motor does not start

- If clamping pressure and belt tension are too high it can cause starting issues, especially at higher speed.

### Troubleshooting

- Loosen belt tension.
- Decrease clamping pressure via the hand wheel (8).
- Only use high speed for final and detail work on the workpiece.

### 7.3 Carbon brushes

In case of excessive sparking, have the carbon brushes checked only by a qualified electrician. Important! The carbon brushes should not be replaced by anyone but a qualified electrician.

### 7.4 Servicing

There are no parts inside the equipment which require additional maintenance.

### 7.5 Ordering replacement parts

Please quote the following data when ordering replacement parts:

- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required

For our latest prices, information and order details go to [www.einhell.com.au](http://www.einhell.com.au)

## 8. Disposal and recycling

The unit is supplied in packaging to prevent its being damaged in transit. This packaging is raw material and can therefore be reused or can be returned to the raw material system.

The unit and its accessories are made of various types of material, such as metal and plastic. Defective components must be disposed of as special waste. Ask your dealer or your local council.

The guarantee provided in this Guarantee Certificate is given by Einhell Australia Pty Limited  
ACN 134 632 858 of 6/166 Wellington Street, Collingwood, Victoria (Telephone number 1300 922 271)  
(Einhell Express Guarantee).

## GUARANTEE CERTIFICATE

Dear Customer,

All of our products undergo strict quality checks. In the unlikely event that your device develops a fault, please contact our service department at the address shown on this guarantee certificate. Of course, if you would prefer to call us then we are also happy to offer our assistance under the service number printed below. Please note the following terms under which claims under the Einhell Express Guarantee can be made:

1. The benefits conferred by the Einhell Express Guarantee are in addition to all rights and remedies which you may be entitled to under the Australian Consumer Law, and any other statutory rights you may have under other applicable laws. This Einhell Express Guarantee does not exclude, restrict or modify any such rights or remedies.

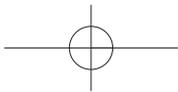
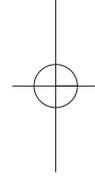
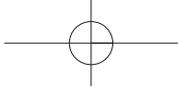
We do not charge you for the Einhell Express Guarantee.

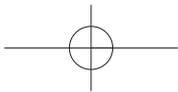
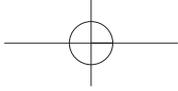
2. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
3. The Einhell Express Guarantee only covers problems caused by material or manufacturing defects, and our liability under the Einhell Express Guarantee is limited, at our discretion, to the rectification of these defects or replacement of the product. Please note that the product has not been designed for use in commercial, trade or industrial applications. Consequently, the Einhell Express Guarantee will not apply if the product is used in commercial, trade or industrial applications or for other equivalent activities.
4. The following are also excluded from the Einhell Express Guarantee: compensation for transport damage, damage caused by failure to comply with the installation/assembly instructions or damage caused by unprofessional installation, failure to comply with the operating instructions (e.g. connection to the wrong mains voltage or current type), misuse or inappropriate use (such as overloading of the product or use of non-approved tools or accessories), failure to comply with the maintenance and safety regulations, ingress of foreign bodies into the product (e.g. sand, stones or dust), effects of force or external influences (e.g. damage caused by the product being dropped) and normal wear resulting from proper operation of the product. The Einhell Express Guarantee will also not apply if any attempt is made to tamper with the product.
5. The Einhell Express Guarantee is valid for a period of 2 years starting from the purchase date of the product. Claims made under the Einhell Express Guarantee should be submitted before the end of this guarantee period and within two weeks of the defect being noticed. No claims under the Einhell Express Guarantee will be accepted if submitted after the end of this guarantee period. The original guarantee period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the guarantee period for the Einhell Express Guarantee, and the Einhell Express Guarantee will not apply for the work performed or parts fitted. This also applies when an on-site service is used.
6. To make a claim under the Einhell Express Guarantee, please send the relevant product postage-free to the address shown below and enclose either the original or a copy of your sales receipt or another dated proof of purchase. It would help us if you could describe the nature of the problem in as much detail as possible. If the defect is covered by the Einhell Express Guarantee, your product will be repaired immediately and returned to you, or we will send you a new device (at our election).

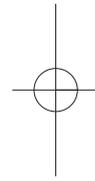
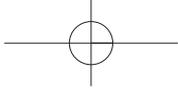
Any costs incurred by you in making a claim under this Einhell Express Guarantee, unless specified otherwise in this guarantee certificate, must be borne by you.

Of course, we are also happy to offer a chargeable repair service for any defects which are not covered by the scope of the Einhell Express Guarantee or for products which are no longer covered by the Einhell Express Guarantee. To take advantage of this service, please send the product to our service address.

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Australia  
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