TC-WW 1000/1

D **Originalbetriebsanleitung Drechselbank**

GB **Original operating instructions Woodworking Lathe**

F **Instructions d'origine Tour à bois**

I **Istruzioni per l'uso originali Tornio**

DK/N **Original betjeningsvejledning Drejebænk**

S **Original-bruksanvisning Träsvarv**

CZ **Originální návod k obsluze Soustruh**

SK **Originálny návod na obsluhu Sústruh**

NL **Originele handleiding Houtdraaibank**

E **Manual de instrucciones original Torno de madera**

FIN **Alkuperäiskäyttöohje Puusorvi**

SLO **Originalna navodila za uporabo Stružnica**

H **Eredeti használati utasítás Esztergapad**

RO **Instrucțiuni de utilizare originale Strung de lemn**

GR **Πρωτότυπες Οδηγίες χρήσης Τόρνος ξύλου**

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Art.-Nr.: 43.121.10 **I.-Nr.: 21022**

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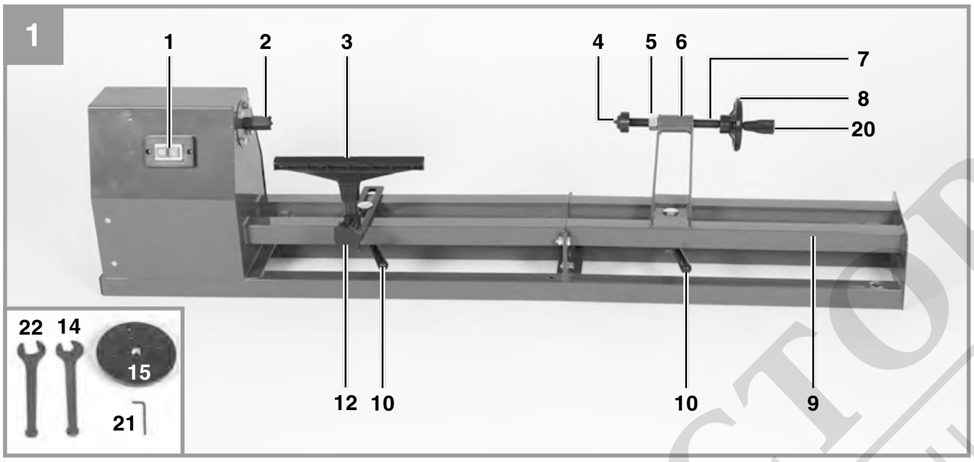

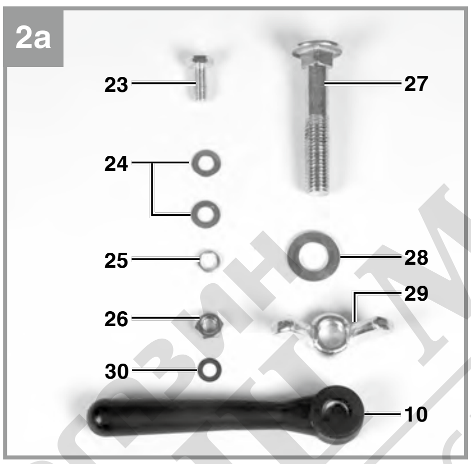

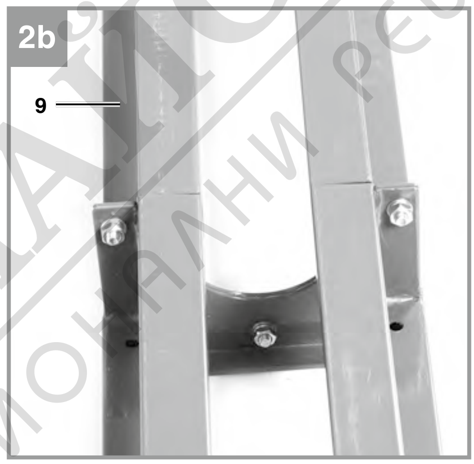

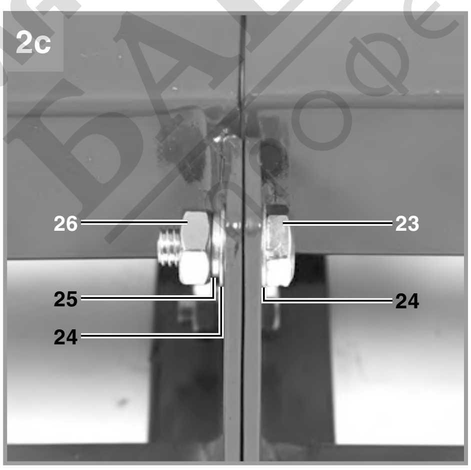

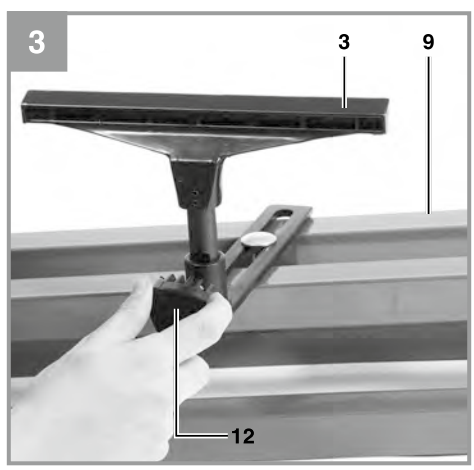

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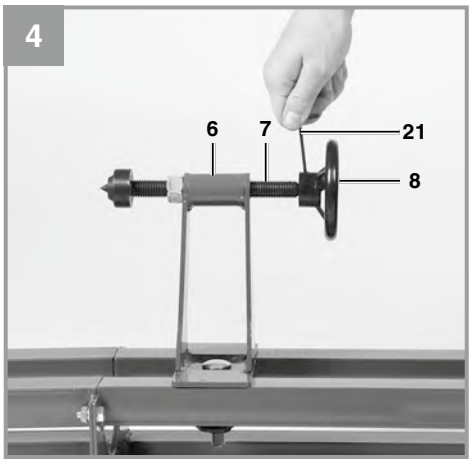

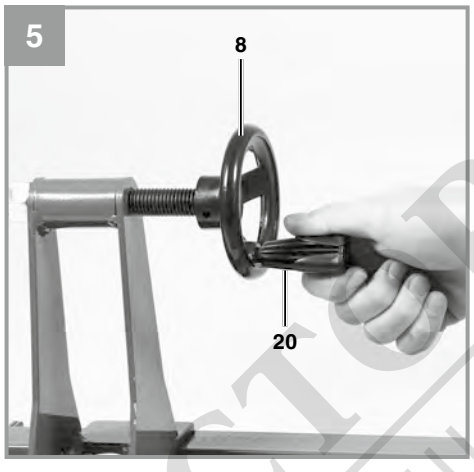

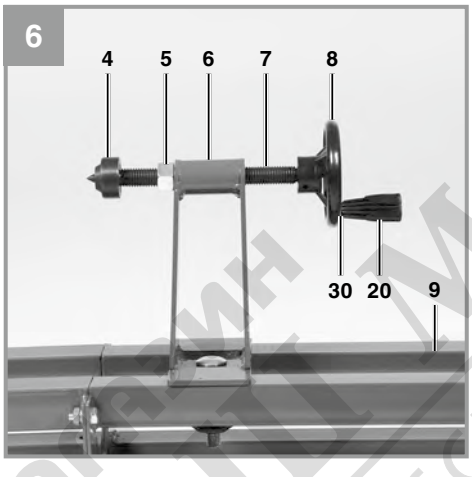

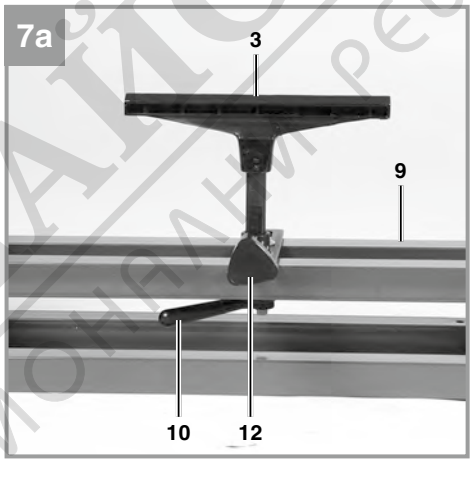

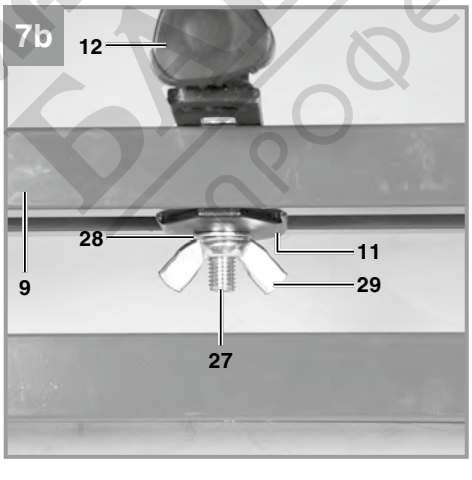

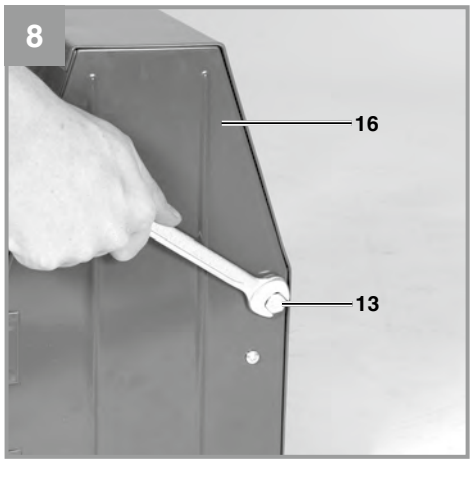

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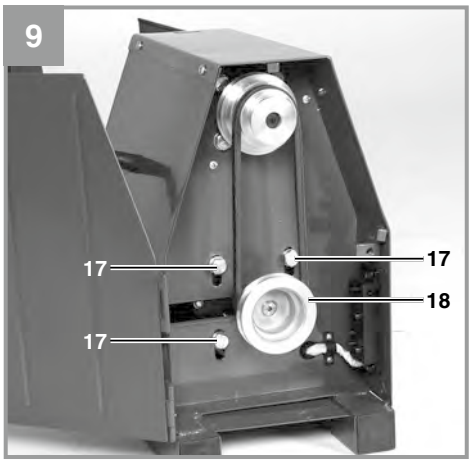

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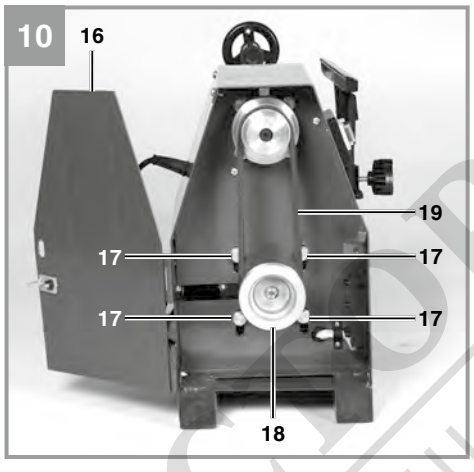

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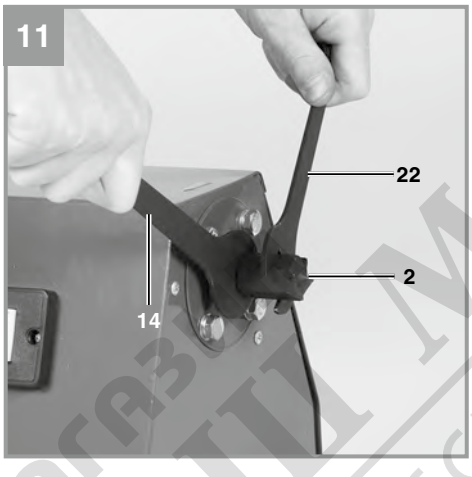

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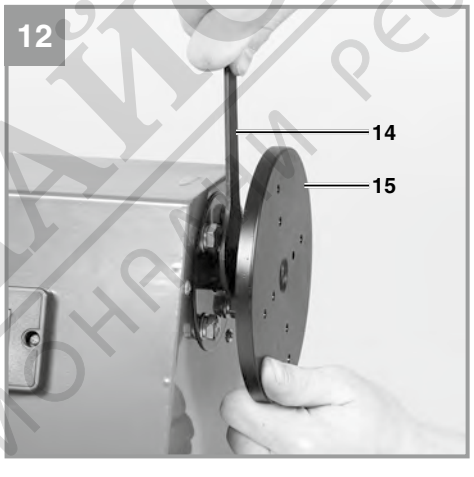

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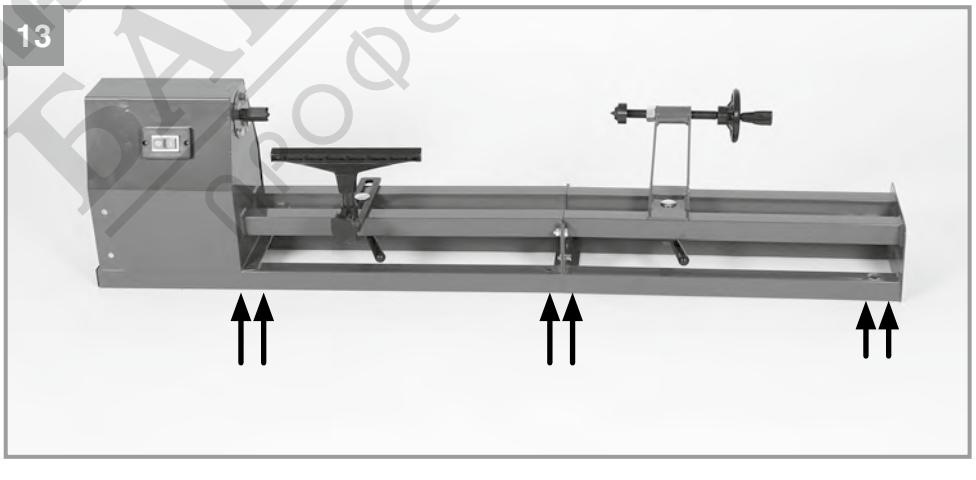

Магазин БАШ МАШТОРА профессиональные решения

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Danger! - Read the operating instructions to reduce the risk of inquiry

Caution! Wear ear-muffs. The impact of noise can cause damage to hearing.

Caution! Wear a breathing mask. Dust which is injurious to health can be generated when working on wood and other materials. Never use the device to work on any materials containing asbestos!

Caution! Wear safety goggles. Sparks generated during working or splinters, chips and dust emitted by the device can cause loss of sight.

Hazard! Risk of injury! Never reach into rotating workpieces.

Direction of rotation

Магазин БАШ МАЙСТОРА ПРОФЕСИОНАЛНИ РЕШЕНИЯ

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Danger!
When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety regulations 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 safety regulations as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety instructions.

1. Safety regulations

The corresponding safety information can be found in the enclosed booklet.
Warning!
Read all the safety information, instructions, illustrations and technical data provided on or with this power tool. Failure to adhere to the following instructions may result in electric shock, fire and/or serious injury.
Keep all the safety information and instructions in a safe place for future use.

Additional safety instructions
Warning: When using electric tools it is imperative to take the following basic safety precautions in order to reduce the risk of electric shock, injury and fire. Read and take note of these instructions before you use this tool.

- Wear safety goggles and head protection, e.g. a hard hat.
- Wear tight-fitting clothes which cannot become caught up in the rotating workpiece.
- Secure the machine firmly to the surface.

2. Layout and items supplied

2.1 Layout (Fig. 1)
1. On/Off switch
2. Front end driver ring
3. Tool support
4. Centering pin
5. Counternut
6. Tailstock
7. Tailstock spindle
8. Hand wheel
9. Machine bed (can be dismantled for transport)
10. Clamping lever
11. Plate
12. Locking grip
13. Retaining screw
14. Wrench for pinion shaft
15. Face plate
16. Housing cover
17. Motor tightening screw
18. V-belt pulley
19. V-belt
20. Crank handle
21. Hexagon key
22. Wrench for front end driver ring
23. Screw, small
24. Washer, small
25. Spring washer
26. Nut, small
27. Screw, large
28. Washer, large
29. Wing nut
30. Washer for crank handle

2.2 Items supplied
Please check that the article is complete as specified in the scope of delivery. If parts are missing, please contact our service center or the sales outlet where you made your purchase at the latest within 5 working days after purchasing the product and upon presentation of a valid bill of purchase. Also, refer to the warranty table in the service information at the end of the operating instructions.
- 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.

Danger!
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!

- Wood lathe
- Front end driver ring
- Tool support
- Tailstock
- Hand wheel
- Clamping lever (2x)

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- Plate (2x)
- Locking grip
- Wrench for pinion shaft
- Face plate
- Crank handle
- Hexagon key
- Wrench for front end driver ring
- Screw, small (3x)
- Washer, small (6x)
- Spring washer (3x)
- Nut, small (3x)
- Screw, large (2x)
- Washer, large (2x)
- Wing nut (2x)
- Washer for crank handle
- Original operating instructions
- Safety information

3. Intended use

The wood lathe is only designed for working on wood using a suitable turning tool..

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 machine is used in commercial, trade or industrial businesses or for equivalent purposes.

4. Technical data

Mains voltage: ..... 230 V ~ 50 Hz
Power: ..... 350 Watt S1
Idle engine speed ..... 1,400 min^{-1}
Spindle speed ..... 890/1260/1760/2600 min^{-1}
Tip width ..... approx. 1,000 mm
Max. lathe diameter ..... 280 mm
Protection type: ..... –
Weight: ..... 23 kg

Danger!
Noise
The noise emission values were measured in accordance with EN 62841.

Operation
L_{pA} sound pressure level ..... 61 dB(A)
K_{pA} uncertainty ..... 3 dB (A)
L_{WA} sound power level ..... 74 dB(A)
K_{WA} uncertainty ..... 3 dB (A)

Wear ear-muffs.
The impact of noise can cause damage to hearing.

The stated noise emission values were measured in accordance with a set of standardized criteria and can be used to compare one power tool with another.

The stated noise emission values can also be used to make an initial assessment of exposure.

Warning:
The noise emission levels may vary from the level specified during actual use, depending on the way in which the power tool is used, especially the type of workpiece it is used for.

Keep the noise emissions and vibrations to a minimum.
- Only use appliances which are in perfect working order.
- Service and clean the appliance regularly.
- Adapt your working style to suit the appliance.
- Do not overload the appliance.
- Have the appliance serviced whenever necessary.
- Switch the appliance off when it is not in use.

Caution!
Residual risks
Even if you use this electric power tool in accordance with instructions, certain residual risks cannot be rules 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.

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5. Before starting the equipment

Before you connect the equipment to the mains supply make sure that the data on the rating plate are identical to the mains data.
Warning!
Always pull the power plug before making adjustments to the equipment.

- Make sure the wood lathe stands securely, i.e. bolt it to a workbench or solid base.
- All covers and safety devices have to be properly fitted before the equipment is switched on.
- Before you connect the equipment to the power supply make sure that the data on the rating plate are identical to the supply voltage.
- Before you retool the machine (front end driver ring/face plate) or adjust the speed, the mains plug must always be pulled first to prevent the machine being started unintentionally, e.g. by another person.
- Transport the machine by lifting it by the machine bed (9). Make allowance for the equipment's weight (see Technical Data) and arrange another person to help you if necessary.

5.1 Assembly (Fig. 2-7, 13)
- Screw the second half of the machine bed (9) to the main frame. To do this, screw them together at the three screw connection points using one screw (23), two washers (24), one spring washer (25) and one nut (26) at each point.
- Place the tool support (3) onto the machine bed (9). Screw it together with the screw (27), plate (11), washer (28) and the clamping lever (10). If the tool mount is in a position in which the clamping lever is too long, the clamping lever (10) can be substituted by the wing nut (29) (Fig. 7b).
- Screw the locking grip (12) to the tool support (3) as shown in Fig. 3.
- Place the tailstock (6) onto the machine bed (9). Screw it together with the screw (27), plate (11), washer (28) and the clamping lever (10). If the tailstock is in a position in which the clamping lever is too long, the clamping lever (10) can be substituted by the wing nut (29).
- Push the hand wheel (8) onto the tailstock spindle (7) as shown in Fig. 4. As you do this, ensure that the side of the hand wheel (8) with the grub screw is guided over the tapered part of the tailstock spindle (7). Tighten the grub screw with the supplied hexagon key (Fig. 4) and screw the crank handle (20) to the hand wheel (8) with the washer (Fig. 5).
- Secure the machine to a suitable surface (e.g. a workbench or similar). The wood lathe can be fastened at various points to do this (Fig. 13). Use suitable fastening material to do so, e.g. lock bolts for securing to a wood-based material or hex screws for securing to a metal base frame. The fastening material is not included in the scope of this delivery and is available from your dealer.

5.2 Adjustment of the tailstock (Fig. 6)
- To adjust the tailstock (6), the clamping lever (10) or the wing nut (29) beneath the machine bed (9) first has to be released.
- After it has been adjusted to the optimum clamping pressure with the hand wheel (8), the tailstock spindle (7) has to be secured with the counternut (5).

5.3 Adjusting the tool support (Fig. 7a)
- The height of the tool support (3) can be adjusted by slackening the locking grip (12).
- To adjust the length of the tool support (3), the clamping lever (10) or the wing nut (29) beneath the machine bed (9) first has to be released.
- The tool support (3) has to be moved as close as possible to the workpiece without actually coming into contact with it.

Warning!
Make sure that the tool support is tightened securely and cannot turn in towards the workpiece.

5.4 Setting the speed (Fig. 8 – 10)
- Pull out the power plug.
- Undo the retaining screw (13), open the housing cover (16) and slacken the motor tightening screws (17). Lift the motor V-belt pulley (18) to slacken the V-belt (19).
- Shift the V-belt (19) to the required speed level (pay attention to the alignment).
- To tension the belt, lower the motor; the motor's own weight is sufficient.
- After adjusting the speed, retighten the motor tightening screw (17), close the housing cover (16) and secure it with the retaining screw (13).
- There is a table showing the speeds on the inside of the housing cover (16).

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5.4.1 Select the correct speed

- Always start with the lowest possible speed for new workpieces being turned and increase it with increasing massiveness of the workpiece being turned.
- Preselect the speed in accordance with the cutting speed table, starting with a low speed for workpieces which are out of round.
- When it comes to turning, the selection of the correct speed depends on a number of factors. (e.g. size, imbalance, material, etc., of the workpiece)
- As a rule of thumb, the following applies:
- Out of round workpieces, large workpieces, hard pieces of wood – low speed.

5.5 Retooling the front end driver on the face plate (Fig. 11 - 12)

- Hold the wrench (14) on the spindle (faces are provided on the spindle for the purpose) immediately behind the front end driver (2).
- Use a second wrench (22) to undo the front end driver (2) by turning the wrench in a counterclockwise direction while holding the other wrench against it.
- Now screw the face plate (15) onto the spindle thread and use the wrench (14) to tighten it securely on the spindle.

5.6. Front end driver and live lathe center (Fig. 1)

- The front end driver (2) is designed to transmit the power of the motor to the workpiece during turning between the tips.
- Whenever you do any work between the front end driver (2) and centering tip (4), make sure that the centering hole is drilled to a sufficient depth. Centering hole diameter: 5-8 mm. Do not set the clamping pressure too high. The workpieces could become curve-shaped and break if the clamping pressure is too high.
- To avoid damage to threads or bearings, use a wooden or rubber mallet to tap in the front end driver (2) on the front side of the workpiece.
- The live centering tip (4) prevents the centering hole which has to be made in the workpiece from burning out.

6. Operation

6.1 Important information for operation

- Look out for knots and shrinkage shakes when selecting the wood for your turning work. Only use wood which is free of cracks and large knots (where there are small knots, take appropriate care with the pressure applied with the turning tool).
- Always check that the shaped item is securely held by checking it by hand. **Warning!** Pull out the power plug!
- Use only an original turning tool which is sharp.
- Do not stand in the flight path of the workpiece when turning wooden disks.
- Please cut large and imbalanced shaped items to size as best as possible using a bandsaw or fretsaw. If the shaped items are very imbalanced they will pose a risk to your health and to the service life of the machine.
- Always start with the lowest possible speed for new workpieces being turned and increase it with increasing massiveness of the workpiece being turned.
- Do not use wooden disks with contraction cracks, since they pose a high risk of bursting under the impact of centrifugal forces.
- Do not exceed the maximum workpiece sizes (see Technical Data)
- In case of tools which get blocked: Pull out the power plug first before starting troubleshooting.
- Clamp the workpieces between the front end driver or face plate and the centering tip. Tighten the tailstock (6) securely with the clamping lever (10) or wing nut (29) first. Then clamp the workpiece by turning the crank handle (20) on the hand wheel (08).
- To do your turning work, position yourself at the machine so that you can guide the cutting tools effectively on the tool support.

6.2 ON and OFF switches (Fig. 13)

- The wood lathe can be switched on by pressing the green pushbutton „I“.
- The red pushbutton „0“ has to be pressed to switch off the wood lathe.

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7. Replacing the power cable

Danger!
If the power cable for this equipment is damaged, it must be replaced by the manufacturer or its after-sales service or similarly trained personnel to avoid danger.

8. Cleaning, maintenance and ordering of spare parts

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

8.1 Cleaning
- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the device immediately each time you have finished using it.
- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device. The ingress of water into an electric tool increases the risk of an electric shock.

8.2 Problems starting the motor
A combination of excessively high clamping pressure and belt tension may cause problems starting the motor, especially for high speeds

Remedy:
- Slacken the belt tension.
- Reduce the clamping pressure at the tailstock hand wheel.
- Only use the high speed settings for finish and fine working of the workpieces.

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

8.4 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 and information please go to www.Einhell-Service.com

9. Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Never place defective equipment in your household refuse. The equipment should be taken to a suitable collection center for proper disposal. If you do not know the whereabouts of such a collection point, you should ask in your local council offices.

10. Storage

Store the equipment and accessories in a dark and dry place at above freezing temperature. The ideal storage temperature is between 5 and 30 °C. Store the electric tool in its original packaging.

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For EU countries only

Never place any electric power tools in your household refuse.

To comply with European Directive 2012/19/EC concerning old electric and electronic equipment and its implementation in national laws, old electric power tools have to be separated from other waste and disposed of in an environment-friendly fashion, e.g. by taking to a recycling depot.

Recycling alternative to the return request:
As an alternative to returning the equipment to the manufacturer, the owner of the electrical equipment must make sure that the equipment is properly disposed of if he no longer wants to keep the equipment. The old equipment can be returned to a suitable collection point that will dispose of the equipment in accordance with the national recycling and waste disposal regulations. This does not apply to any accessories or aids without electrical components supplied with the old equipment.

Please note that batteries and lamps (e.g. light bulbs) must be removed from the tool before it is disposed of.

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Subject to technical changes

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Service information

We have competent service partners in all countries named on the guarantee certificate whose contact details can also be found on the guarantee certificate. These partners will help you with all service requests such as repairs, spare and wearing part orders or the purchase of consumables.

Please note that the following parts of this product are subject to normal or natural wear and that the following parts are therefore also required for use as consumables.

Category	Example
Wear parts*	V-belt
Consumables*	
Missing parts	

* Not necessarily included in the scope of delivery!

In the effect of defects or faults, please register the problem on the internet at www.Einhell-Service.com. Please ensure that you provide a precise description of the problem and answer the following questions in all cases:

- Did the equipment work at all or was it defective from the beginning?
- Did you notice anything (symptom or defect) prior to the failure?
- What malfunction does the equipment have in your opinion (main symptom)? Describe this malfunction.

магазин БАШ МАЙСТОРА ПРОФЕСИОНАЛНИ РЕШЕНИЯ

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Warranty certificate

Dear Customer,
All of our products undergo strict quality checks to ensure that they reach you in perfect condition. In the unlikely event that your device develops a fault, please contact our service department at the address shown on this guarantee card. You can also contact us by telephone using the service number shown.
Please note the following terms under which guarantee claims can be made:

1. These guarantee terms apply to consumers only, i.e. natural persons intending to use this product neither for their commercial activities nor for any other self-employed activities. These warranty terms regulate additional warranty services, which the manufacturer mentioned below promises to buyers of its new products in addition to their statutory rights of guarantee. Your statutory guarantee claims are not affected by this guarantee. Our guarantee is free of charge to you.
2. The warranty services cover only defects due to material or manufacturing faults on a product which you have bought from the manufacturer mentioned below and are limited to either the rectification of said defects on the product or the replacement of the product, whichever we prefer.
   Please note that our devices are not designed for use in commercial, trade or professional applications. A guarantee contract will not be created if the device has been used by commercial, trade or industrial business or has been exposed to similar stresses during the guarantee period.
3. The following are not covered by our guarantee:
   - Damage to the device caused by a failure to follow the assembly instructions or due to incorrect installation, a failure to follow the operating instructions (for example connecting it to an incorrect mains voltage or current type) or a failure to follow the maintenance and safety instructions or by exposing the device to abnormal environmental conditions or by lack of care and maintenance.
   - Damage to the device caused by abuse or incorrect use (for example overloading the device or the use or unapproved tools or accessories), ingress of foreign bodies into the device (such as sand, stones or dust, transport damage), the use of force or damage caused by external forces (for example by dropping it).
   - Damage to the device or parts of the device caused by normal or natural wear or tear or by normal use of the device.
4. The guarantee is valid for a period of 24 months starting from the purchase date of the device. Guarantee claims should be submitted before the end of the guarantee period within two weeks of the defect being noticed. No guarantee claims will be accepted after the end of the 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, and no new guarantee will become active for the work performed or parts fitted. This also applies if an on-site service is used.
5. To make a claim under the guarantee, please register the defective device at:
   www.Einhell-Service.com. Please keep your bill of purchase or other proof of purchase for the new device. Devices that are returned without proof of purchase or without a rating plate shall not be covered by the guarantee, because appropriate identification will not be possible. If the defect is covered by our guarantee, then the item in question will either be repaired immediately and returned to you or we will send you a new replacement.

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

Also refer to the restrictions of this warranty concerning wear parts, consumables and missing parts as set out in the service information in these operating instructions.

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