BT-TB 13 E Digital

GB **Original operating instructions**
Bench Drill

Art.-Nr.: 42.507.51 **I.-Nr.: 21010**

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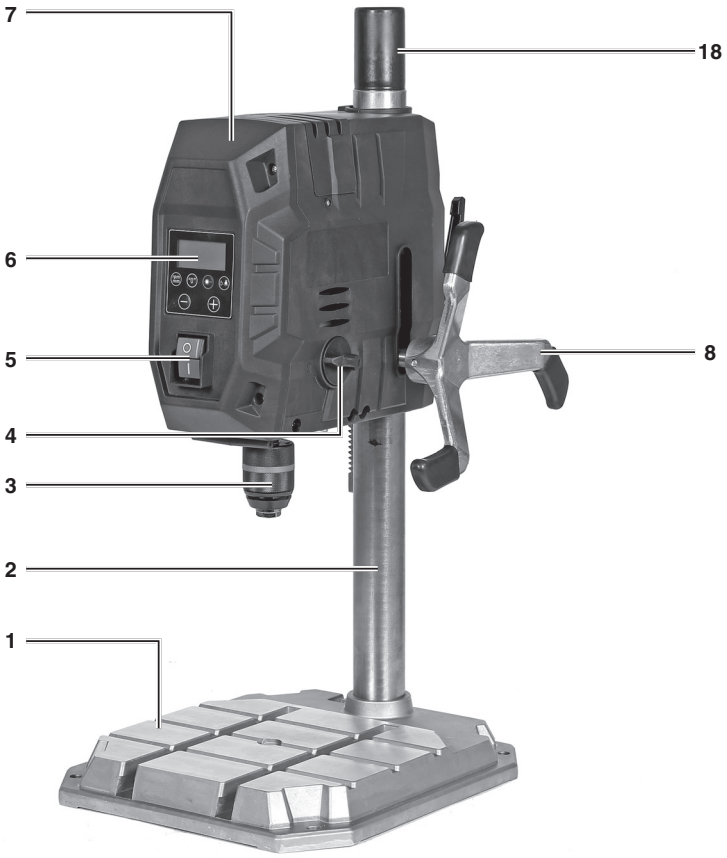

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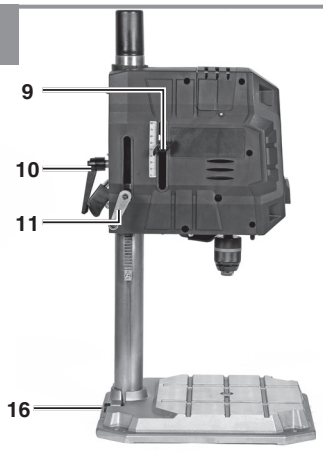

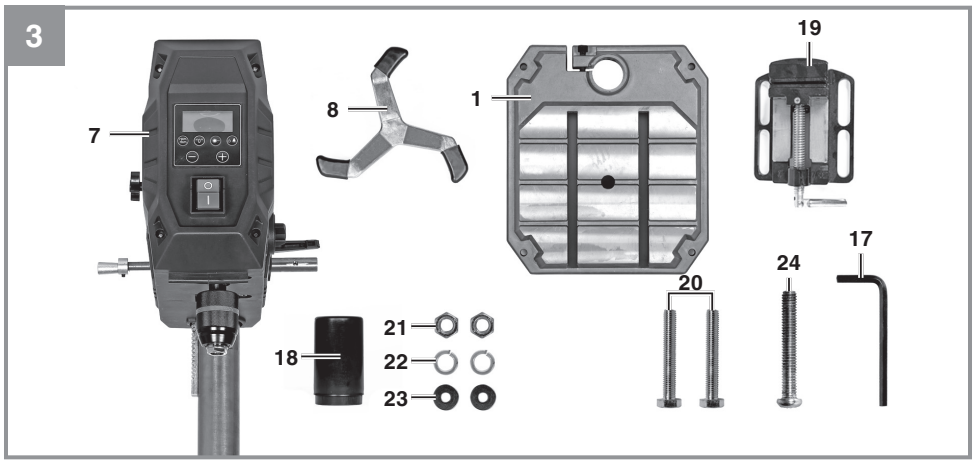

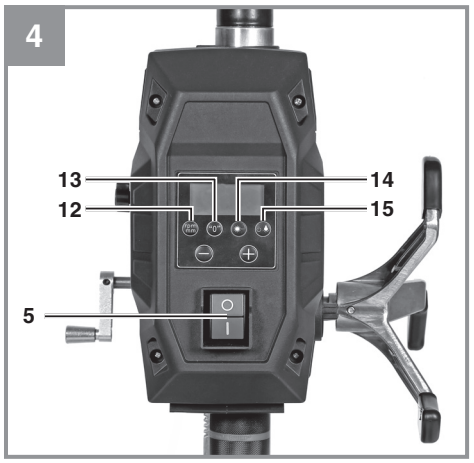

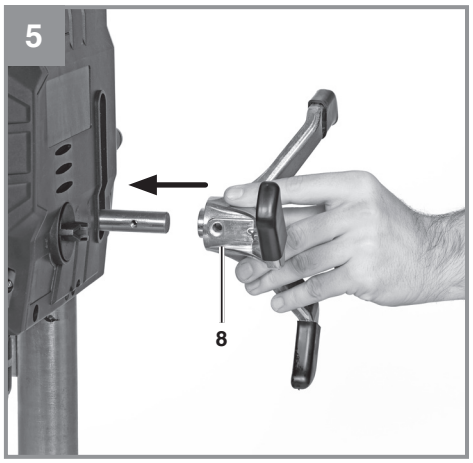

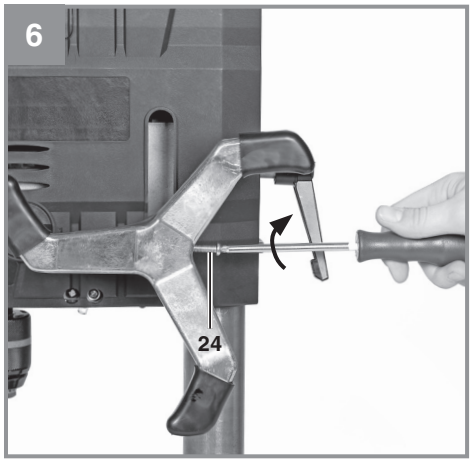

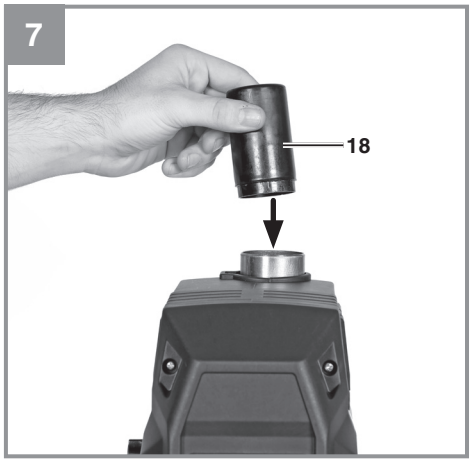

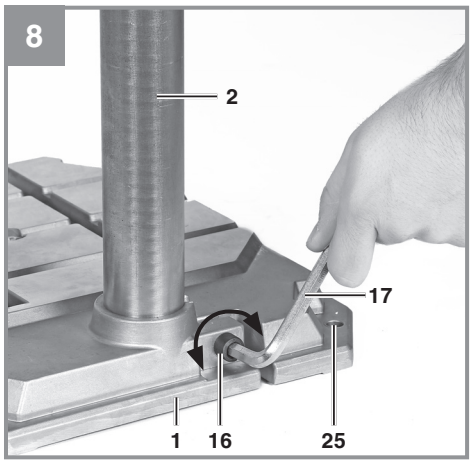

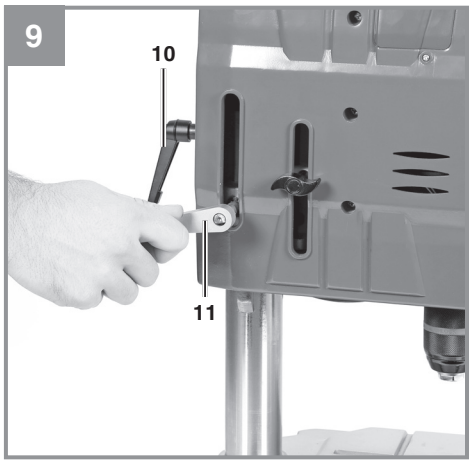

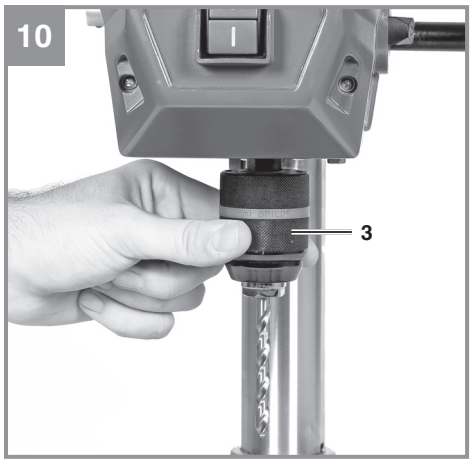

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Declaration of conformity: Products bearing this symbol comply with all applicable Community legislation of the European Economic Area.

Danger! - Read the operating instructions to reduce the risk of injury.

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.

Wear suitable, protective clothing (i.e. rugged and tight-fitting) when working with the pillar drill.

Long hair should always be bound back with a hair net (or a cap)!

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

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.

The term „power tool" used in the safety information and instructions refers to power tools operated from the mains power supply (with a power cable) and to battery operated power tools (without a power cable).

1. Workplace safety

a) **Keep your work area clean and well lit.** Untidy or unlit work areas can result in accidents.
b) **Do not use this power tool in an area where there is a risk of explosion and where there are inflammable liquids, gases or dust.** Power tools generate sparks that can ignite dust or vapors.
c) **Keep children and other people away from the power tool while you are using it.** If you are distracted you may lose control of the power tool.

2. Electrical safety

a) **The plug on the power tool must fit into the socket. The socket must not be modified in any way. Do not use adapter plugs together with power tools with a protective earth.** Unmodified plugs and matching sockets will reduce the risk of an electric shock.
b) **Avoid body contact with earthed surfaces such as pipes, heating systems, stoves and refrigerators.** There is an increased risk of suffering an electric shock if your body is earthed.
c) **Keep the power tool out of the rain and away from moisture.** The ingress of water into an electric power tool increases the risk of an electric shock.
d) **Do not use the power cable for a purpose for which it is not designed, for example to carry the power tool, hang it up or to pull the plug out of the socket. Keep the power cable away from heat, oil, sharp edges and moving parts.** Power cables that are damaged or tangled increase the risk of an electric shock.
e) **If you use an electric power tool outdoors, use only extension cables that are suitable for outdoor use.** The use of an extension cable which is suitable for outdoor use reduces the risk of an electric shock.
f) **If you cannot avoid using the power tool in a damp location, use a residual current device (RCD) circuit breaker.** The use of a residual current device (RCD) circuit breaker will reduce the risk of suffering an electric shock.

3. Safety of persons

a) **Be careful, watch what you are doing and be sensible and responsible when using an electric power tool. Never use the power tool if you are tired or under the influence of drugs, alcohol or medication.** One moment of inattention when using the electric tool can result in serious injuries.
b) **Wear personal safety equipment and always wear safety goggles.** Wearing personal safety equipment such as dust masks, non-slip safety shoes, a helmet or ear muffs, depending on the type and application of the tool, reduces the risk of injury.
c) **Make sure that the tool cannot start up accidentally. Ensure that the power tool is switched off before you connect it to the power supply and/or connect the battery pack, pick it up or carry it.** If you have your finger on the switch while carrying the power tool or if you connect the power tool to the power supply while it is switched on, this may cause accidents.
d) **Remove all adjusting tools or wrenches before you switch on the power tool.** Any tool or wrench in a rotating part of the power tool could cause injuries.

e) Avoid abnormal working postures. Make sure you stand squarely and keep your balance at all times. This will enable you to control the power tool better in unexpected situations.
f) Wear suitable clothes. Never wear loose fitting clothes or jewelry. Keep hair and clothing away from moving parts. Loose clothing, jewelry or long hair can be caught by moving parts.
g) If dust extraction devices and dust collection devices can be fitted, they must be connected and must be used correctly. The use of a dust extractor can reduce the dangers posed by dust.
h) Do not allow yourself to be lulled into a false sense of security and do not ignore the safety regulations covering electric power tools, even if you are familiar with the power tool after having used it many times. Carelessness can lead to serious injuries in just a fraction of a second.

4. Using and handling the power tool

a) **Do not overload your power tool. Use the correct electric tool for the job in hand.** The correct tool will enable you to work better and more safely within the specific performance range.
b) **Do not use an electric power tool if the switch is defective.** An electric power tool that cannot be switched on or off is dangerous and must be repaired.
c) **Pull the plug out of the socket and/or remove the removable battery pack before making any adjustments to the tool, changing plug-in tool parts or putting the power tool down.** These precautions will prevent the power tool starting accidentally.
d) **Keep unused electric tools out of the reach of children. Do not allow people who are not familiar with the power tool or who have not read these instructions to use the power tool.** Electric tools are dangerous if they are used by inexperienced people.
e) **Look after power tools and plug-in tools with care. Check that moving parts function correctly and do not jam, and whether any parts are broken or damaged such that they adversely affect the function of the power tool. Have damaged parts repaired before you use the power tool.** Many accidents are caused by poorly maintained electric tools.
f) **Keep cutting tools sharp and clean.** Carefully maintained cutting tools with sharp cutting edges will jam less and are easier to control.
g) **Use the power tool, plug-in tools, etc. as set out in these instructions. Take account of the conditions in your work area and the job in hand.** Using electric tools for purposes other than the one for which they are designed can result in dangerous situations.
h) **Keep the handles and grip surfaces dry, clean and free from oil and grease.** If the handles and grip surfaces are slippery, it will not be possible to operate and control the power tool safely in unforeseen situations.

5. Service

a) **Have your power tool repaired only by trained personnel using only genuine spare parts.** This will ensure that your power tool remains safe to use.

Safety information for drills

a) **The drill must be secured.** If the drill is not secured properly, it could move or topple over and this could cause injuries.
b) **The workpiece must be clamped or fastened on the workpiece support. Do not drill into workpieces which are too small to be clamped securely.** Using your hand to hold the workpiece could result in injuries.
c) **Do not wear gloves.** Gloves could get caught by rotating parts or drilling chips and lead to injuries as a result.
d) **Keep your hands away from the drilling area while the power tool is running.** Contact with rotating parts or drilling chips could cause injuries.
e) **The drilling tool must be rotating before you move it up to the workpiece.** If not, the drilling tool can become caught in the workpiece and cause unexpected movement of the workpiece, leading to injuries.
f) **If the drilling tool becomes blocked, stop pressing it any further down and switch off the power tool. Find and rectify the cause of the blockage.** A blockage can cause unexpected movement of the workpiece and lead to injuries.
g) **Prevent long drilling chips by interrupting the downward pressure at regular intervals.** Sharp metal chips can get entangled and cause injuries.

h) **Never remove drilling chips from the drilling area while the power tool is running. To remove chips, move the drilling tool away from the workpiece, switch off the power tool and wait until the drilling tool has come to a standstill. Use aids such as a brush or a hook to remove the chips.** Contact with rotating parts or drilling chips could cause injuries.

i) **The maximum permissible speed of plug-in tools with rated speeds must be at least as high as the maximum speed specified on the power tool.** Accessories which rotate faster than the permissible speed may break and be catapulted out of the tool.

Special safety information
The bench drill was designed in such a way so as to all but eliminate potential hazards when the machine is properly used. However, there are a few safety precautions to observe in order to ensure that all residual hazards are ruled out.

Ensuring proper voltage
The voltage must comply with the specifications on the rating plate.

Using a socket-outlet with earthing contact
The device is allowed to be operated only from an outlet with a properly installed earthing contact.

Important! Extension cable
The cord cross section of an extension cable must measure at least 1.5 mm^2. Always completely unwind a cable reel prior to use. Check the cable for defects.

Protection against electrical shock
Keep the device away from moisture. The device must neither be damp, nor be operated in a humid environment. Prior to every use, check the device and the mains cable with plug for damage. Avoid bodily contact with earthed parts e.g. pipes, hot elements etc.

Protection against fire and explosion
There are spark producing components inside the device. Do not use the device in the vicinity of combustible liquids or gases. Not doing so introduces the risk of fire or explosion.

Handling the device with care
Do not use the cable to pull the plug out of the socket. Protect the cable from heat, oil and sharp edges. Keep mounted attachments sharp and clean to enable you to work well and safely. Follow the maintenance regulations and the instructions for changing mounted attachments such as cutting-off wheels, blades and bits.

Wearing suitable work clothes and personal protection equipment (PPE)
Loose clothing is not suitable, as it can be caught by moving parts, or you can become entangled. Wear a hair net if you have long hair. As a general rule, jewelry should not be worn when working with machine tools. Ensure that you wear safety goggles. Not doing so could result in eye injury.

Keeping the work area neat and tidy
Disorder in the work area can easily lead to accidents. Do not leave any tools, objects, or cable in the direct vicinity of the work area, as this poses a tripping hazard! Ensure that there is sufficient lighting.

Watching out for other persons
Watch out for other persons when using the device (especially children), and keep them away from your work area. Do not let anyone touch the device or the power cable.

Storing the tools in a safe location
Store unused devices in a dry, locked location that is out of the reach of children.

Avoiding overload of device
Operate the device only within the specified output range. Do not use any low-powered machines for heavy duty work. Do not use electric tools to perform work for which they were not intended.

Maintaining a steady foothold
Ensure that you maintain a steady foothold while working. Avoid abnormal body positions and always keep your balance.

Pulling out the power plug
Pull out the power plug when not using the tool, prior to maintenance, and when changing the drill bit.

Pulling out the power plug
Ensure that the mains connection is protected by at least a 10 A fuse.

Avoiding unintentional start-up
Make sure that the switch is OFF when inserting the plug in the socket-outlet.

Keeping an eye on your work
Always keep an eye on your machine and the object you are working on. Never use the machine when you are not concentrating or are distracted. Never use the machine when you are under the influence of alcohol or are taking medication.

Maximum workpiece size
Workpieces (max. 20 x 20 cm) are allowed to be processed only if they can be clamped securely on the drill table or in the vise.

Checking the tool for damage
Before the tool is used, safety devices and any slightly damaged parts must be carefully checked to ensure that they are in good working order. Visually examine the tool's power cable on a regular basis. All parts must be correctly assembled and meet all the conditions required to ensure proper operation. Any damaged safety devices and parts must be properly repaired or replaced by a professional repair shop unless otherwise specified in the operating manual. Never use tools with defective On/Off switches.

Jammed drill bits
Switch off the power tool immediately if the drill bit becomes jammed in the workpiece. The drill bit can become jammed e.g. if you apply too much pressure while drilling or if the bit becomes tilted in the workpiece.

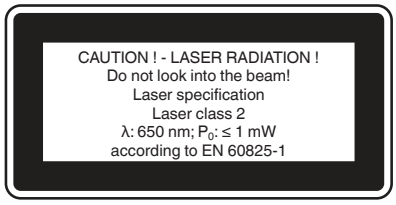
Applying grease
Apply commercially available grease to the drill pillar from time to time.

Lubricants
To prevent the drill bit from overheating, use a lubricant that is commercially available for this bench drill.

Warning! Using plug-in tools and accessories other than those specified in these operating instructions can lead to a risk of injury.

Special information about the laser

⚠ Caution! Laser radiation
Do not look into the beam
Laser class 2



- Never look directly into the laser path.
- Never direct the laser beam at reflecting surfaces or persons or animals. Even a low output laser beam can inflict injury on the eye.
- Caution: It is vital to follow the work procedures described in these instructions. Using the equipment in any other way may result in hazardous exposure to laser radiation.
- Never open the laser module.
- It is prohibited to carry out any modifications to the laser to increase its power.
- The manufacturer cannot accept any liability for damage due to non-observance of the safety information.

Now, please read and follow all steps and procedures included in the operating instructions.

2. Layout and items supplied

2.1 Layout (Fig. 1-4)
1. Base plate
2. Drill pillar
3. Chuck
4. Gear selector switch
5. On/Off switch
6. Display
7. Motor unit
8. Hand wheel
9. Fastening screw
10. Clamping screw
11. Crank arm
12. Speed button
13. Zero point button
14. Laser button
15. LED button
16. Fastening screw

17. 1x hex key (8mm)
18. Cover cap
19. Vise (75mm jaw width)
20. 2x screws for vise
21. 2x nuts
22. 2x circlips
23. 2x washers
24. 1x screw for hand wheel
25. Mounting holes

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!

- Bench drill
- Chuck
- Vise
- Original operating instructions

3. Proper use

This pillar drill is designed for drilling metal, plastic, wood and similar materials. It is intended for use in the private sector only.
Food and harmful materials may not be processed with the machine. The drill chuck is only designed for use with drill bits and tools with a shaft diameter of 1,5 to 16 mm, and for cylindrical tool shanks. Tools with a tapered shank can also be used. The machine is intended for use by adults 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 machine is used in commercial, trade or industrial businesses or for equivalent purposes.

4. Technical data

Rated input voltage .....230V ~ 50Hz
Rated power 720W
Motor speed .....22,700 min^{-1}
Speed: ..... I. 220 - 880 min^{-1}
..... II. 650 – 2,550 min^{-1}
Protection class ..... II/_
Chuck size .....1/2-20 UNF
High-speed chuck .....Ø 1.5 - 13 mm
Reach ..... 135 mm
Drilling depth ..... 80 mm
Pillar diameter ..... 46 mm
Height ..... 675 mm
Base area ..... 340 x 300 mm
Weight .....7.8 kg

Danger!
Sound and vibration
Sound and vibration values were measured in accordance with EN 62841.

L_{pA} sound pressure level ..... 81.2 dB(A)
K_{pA} uncertainty .....2 dB
L_{WA} sound power level ..... 90.3 dB(A)
K_{WA} uncertainty .....2 dB

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

The values quoted are emission values and not necessarily reliable workplace values. Although there is a correlation between the emission level and the load level, it is impossible to draw any reliable conclusions as to the need for additional

precautions. Factors affecting the actual load level for workers include the characteristics of the work space and other sources of noise, i.e. the number of machines and other active neighboring processes etc.
Furthermore, the permitted load level can vary from one country to another. With the information provided here the user of the machine should at least be able to make a better assessment of the dangers and risks involved:

– the quoted noise emission value was measured in accordance with a standardized test method and can be used to compare one power tool with another;
– the quoted noise emission value can also be used to make a provisional assessment of the load.

Warning:
– the noise emissions during the actual use of the power tool may vary from the quoted values depending on the way in which the power tool is used and especially on the type of workpiece it is processing, and
– safety measures to protect the operator must be applied according to an assessment of the load which results during the actual conditions of use.

Total vibration values (vector sum of three directions) determined in accordance with EN ISO 3744.

Vibration emission value ah ≤ 2.5 m/s2
Uncertainty K = 1.5 m/s2

Warning!
The quoted vibration value was measured in accordance with a standardized testing method. It may change according to how the electric tool is used and may exceed the quoted value in exceptional circumstances.

The quoted vibration value can be used to compare the equipment with another electric power tool.

The quoted vibration value can be used for initial assessment of a harmful effect.

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.
- Wear protective gloves.

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.

5. Before starting the equipment

5.1 Assembling the machine (Fig. 5 - 8)
- Place the base plate (1) in the desired position.
- Insert the drill pillar (2) together with the previously fitted motor unit (7) from above into the opening in the base plate (1).
- Use the supplied hex key (17) to tighten the fastening screw (16) so that the drill pillar (2) is secured in place.
- Use the screw for the hand wheel (24) to fit the hand wheel (8) on the motor unit (Fig. 6)
- Finally place the cover cap (18) on the drill pillar (2).

5.2 Installing the machine
Before you use the drill for the first time it must be mounted in a stationary position on a firm surface. Use both mounting holes (25) in the base plate to do this. Ensure that the machine is freely accessible for operation, adjustment and maintenance.

Important: The fixing screws may only be tightened to a point where they do not distort or deform the base plate. Excessive tension can lead to fracture.

5.3 Prior to starting
Ensure that the voltage of the mains supply complies with the specifications on the rating plate.

Connect the machine only to a socket with the properly installed earthing contact.
The table drill is equipped with a no-volt trip that is designed to protect the operator from an undesired restart following a drop in voltage. Should this occur, the machine must be manually restarted.

Check the drill and its safety devices for damage and impairments. Do not use the drill if you discover any damage or impairments.

5.4 Setting the height of the motor unit (Fig. 2 and 9)

Important! Adjust the height only after the motor has been switched off!
The height of the motor unit (7) can be adjusted to suit the size of the workpiece and the length of the plug-in tool.

- Make sure that the hand wheel (8) is in its starting position.
- First undo the clamping screw (10) on the back of the motor unit (7).
- Then use the crank (11) to set the required height.
- Finally retighten the clamping screw (10).

To limit the depth, undo the fastening screw (9) on the motor unit (7). Set the required maximum depth and retighten the fastening screw (9).

6. Operation

6.1 Switching on/switching off (Fig. 4)

- To switch on, first actuate the green ON button “I” (5). The display will light up and “OFF” will appear.
- To start the tool, press the LED button (15). The tool will start at minimum speed.
- To switch off, press the LED button again.

Take care not to overload the tool. If the sound of the motor drops in pitch during operation, it is being overloaded.
Do not overload the tool to the point where the motor comes to a standstill.
Always stand in front of the machine during operation.

6.2 Inserting the tool (Fig. 10)

Make sure that the power plug is removed from the socket-outlet before changing tools. Only cylindrical tools with the stipulated maximum shaft diameter may be clamped in the scroll chuck (3). Only use a tool that is sharp and free of defects.

Do not use tools whose shaft is damaged or which are deformed or flawed in any other way. Use only accessories and attachments that are specified in the operating instructions or have been approved by the manufacturer. If the pillar drill should become jammed, switch off the machine and return the drill to its starting position.

6.3 Handling the keyless chuck

Your pillar drill is equipped with a keyless chuck. This enables tools to be changed without the need for an additional chuck key. To do so, insert the tool in the quick-change drill chuck and tighten by hand.

6.4 Setting the rotational speed

Mechanical gear selector
Important! Actuate the gear selector switch (4) only after the machine has been switched off!
You can use the gear selector switch to preselect 2 speed ranges:

Gear 1:
Low speed range 220 – 880 min-1, recommended for work involving large drill diameters.

Speed 2:
High speed range 650 – 2550 min-1, recommended for work involving small drill diameters.

Note:
If the gear selector switch (4) fails to engage correctly, turn the drill chuck (3) a little by hand until it latches in place.

Electronic speed adjustment

- After you have switched off the machine, the word “OFF” will appear in the display (6).
- Press the “+” button or the “-” button to increase or decrease the speed.

6.5 Setting the zero point

- To set the zero point, lower the motor unit (7) at minimum speed until the drill bit rests on the workpiece.
- Now use the speed button (12) to switch from “Speed – rpm” to “Depth – mm” and then press the zero point button (13). The display will change to “0.0mm”.
- Use the hand wheel (8) to return the motor unit to its starting position.
- Now use the speed button (12) to switch from “Depth – mm” back to “Speed – rpm” and

use the “+” button or the “-” button to set the required speed To be able to read the drilling depth exactly from the display, use the speed button (12) again to switch back to “Depth – mm”. Now you can lower the drill bit onto the workpiece and begin with the drilling.
- With the help of the display you can drill into the workpiece down to the required depth.

6.6 Clamping the workpiece

Never try to hold the workpiece with your hands. Always clamp the workpiece in the supplied vise (19).
- First fit the two screws (20) for the vise loosely and diagonally on the vise (19) with the help of the two circlips (22), the two washers (23) and the two nuts (21).
- Push the vise (19) from the front into the guide rails on the base plate (1).
- Tighten the screws only hand-tight so that the vise together with the inserted workpiece can still be moved and positioned exactly on the base plate. This also enables self-centering during drilling.
- Open the vise and place the workpiece inside.
- Now clamp the workpiece securely.
- To dismantle, proceed in reverse order.

Caution! Sheet metal parts must be clamped in to prevent them from being torn up. Properly set the height and angle of the drill table for each workpiece. There must be enough distance between the upper edge of the workpiece and the tip of the drill bit.

6.7 Setting the drilling depth

- Proceed as described in section 6.5 in order to set the zero point.
- The fastening screw (9) must be released in order to adjust and fix the drilling depth later.
- Now use the hand wheel (8) to lower the motor unit (7) to the required drilling depth.
- Then tighten the fastening screw (9) to the required dimension in order to set the drilling depth.

6.8 Laser/light

- The bench drill is fitted with a laser and a light.
- The switch-on function works only during operation. Press the laser button (14). Actuate once to work with the laser. Actuate a second time to work with the light, and actuate the laser button (14) a third time to work with both light and laser.
- To turn off both the laser and the light, actuate the laser button (14) a fourth time.

Important! Never look directly into the laser beam!

6.9 LED lamp (Figs. 1, 2)

The table drill is equipped with an LED lamp for illuminating the work area. This can be switched ON and OFF by the switch (20).

6.10 Working speeds

Ensure that you drill at the proper speed. Drill speed is dependent on the diameter of the drill bit and the material in question.

The table below acts as a guide for selecting the proper speed for various materials.

Note: The drill speeds specified are merely suggested values.

Drill bit Ø	Cast iron	Steel	Iron	Aluminium	Bronze
3	2550	1600	2230	9500	8000
4	1900	1200	1680	7200	6000
5	1530	955	1340	5700	4800
6	1270	800	1100	4800	4000
7	1090	680	960	4100	3400
8	960	600	840	3600	3000
9	850	530	740	3200	2650
10	765	480	670	2860	2400
11	700	435	610	2600	2170
12	640	400	560	2400	2000
13	590	370	515	2200	1840
14	545	340	480	2000	1700
16	480	300	420	1800	1500
18	425	265	370	1600	1300
20	380	240	335	1400	1200
22	350	220	305	1300	1100
25	305	190	270	1150	950

6.11 Countersinking and center-drilling

With this table drill, you can also countersink and center-drill. Please observe that countersinking should be performed at the lowest speed, while a high speed is required for center-drilling.

6.12 Drilling wood

Please note that sawdust must be properly evacuated when working with wood, as it can pose a health hazard. Ensure that you wear a suitable dust mask when performing work that generates dust.

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.

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8. Cleaning, maintenance and ordering of spare parts

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

8.1 Cleaning

- The table drill is to a large extent maintenance-free. Keep the device clean. Pull out the mains plug before doing any cleaning and maintenance work on the machine. Do not use any harsh, abrasive cleaning solvents. Ensure that no liquid seeps into the device. Regrease all bare parts when the work is finished. The drill pillar, blank parts of the column, and the drill table especially should be regreased at regular intervals. Use a standard, acid-free lubricating grease to do this. **Caution:** Do not use your household refuse bin as a receptacle for oil and grease-soaked cleaning rags or grease and oil sludge. Dispose of these toxic materials in an environmentally-friendly fashion. Regularly check and clean the ventilation holes. Store the device in a dry room. Should the device become damaged, do not try to repair it yourself; leave this work to the hands of a qualified electrical technician.
- 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 Maintenance

- Check at regular intervals that the safety-relevant components of the drill are working.
- If you replace any safety-relevant components, e.g. the microswitch of the chip guard, they must be checked for proper operation before the drill is switched on again.
- To prevent any assembly errors during maintenance, note the instructions in the chapter on “Assembly”.
- There are no other parts inside the tool which require maintenance.

8.3 Ordering spare parts and accessories
Please provide the following information when ordering spare parts:

- Type of unit
- Article number of the unit
- ID number of the unit
- Spare part number of the required spare part

For our latest prices and information please go to www.Einhell-Service.com

Tip! For good results we recommend high-quality accessories from kwb ! www.kwb.eu welcome@kwb.eu

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.

Before transporting the bench drill, dismantle it into its individual parts and pack them ideally in the tool's original packaging for the best possible protection against impact and shock.

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.

Subject to technical changes

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.

ISC GmbH · Eschenstraße 6 · D-94405 Landau/Isar

EU

D erklärt folgende Konformität gemäß EU-Richtlinie und Normen für Artikel
GB explains the following conformity according to EU directives and norms for the following product
F déclare la conformité suivante selon la directive CE et les normes concernant l'article
I dichiara la seguente conformità secondo la direttiva UE e le norme per l'articolo
NL verklaart de volgende overeenstemming conform EU richtlijn en normen voor het product
E declara la siguiente conformidad a tenor de la directiva y normas de la UE para el artículo
P declara a seguinte conformidade, de acordo com as diretiva CE e normas para o artigo
DK attesterer følgende overensstemmelse i medfør af EU-direktiv samt standarder for artikel
S förklarar följande överensstämmelse enl. EU-direktiv och standarder för artikeln
FIN vakuuttaa, että tuote täyttää EU-direktiivin ja standardien vaatimukset
EE tõendab toote vastavust EL direktiivile ja standarditele
CZ vydává následující prohlášení o shodě podle směrnice EU a norem pro výrobek
SLO potrjuje sledečo skladnost s smernico EU in standardi za izdelek
SK vydáva nasledujúce prehlásenie o zhode podľa smernice EÚ a noriem pre výrobok
H a cikkekhez az EU-irányvonal és Normák szerint a következő konformitást jelenti ki
PL deklaruje zgodność wymienionego poniżej artykułu z następującymi normami na podstawie dyrektywy WE.
BG декларира съответното съответствие съгласно Директива на ЕС и норми за артикул
LV paskaidro šādu atbilstību ES direktīvai un standartiem
LT apibūdina šį atitikimą EU reikalavimams ir prekės normoms
RO declară următoarea conformitate conform directivei UE şi normelor pentru articolul
GR δηλώνει την ακόλουθη συμμόρφωση σύμφωνα με την Οδηγία ΕΚ και τα πρότυπα για το προϊόν
HR potvrđuje sljedeću usklađenost prema smjernicama EU i normama za artikl
BIH potvrđuje sljedeću usklađenost prema smjernicama EU i normama za artikl
RS potvrđuje sledeću usklađenost prema smernicama EZ i normama za artikal
RUS следующим удостоверяется, что следующие продукты соответствуют директивам и нормам ЕС
UKR проголошує про зазначену нижче відповідність виробу директивам та стандартам ЄС на виріб
MK ја изјавува следната сообрзност согласно ЕУ-директивата и нормите за артикли
TR Ürünü ile ilgili AB direktifleri ve normları gereğince aşağıda açıklanan uygunluğu belirtir
N erklærer følgende samsvar i henhold til EU-direktivet og standarder for artikkel
IS Lýsir uppfyllingu EU-reglna og annarra staðla vöru

Tischbohrmaschine BT-TB 13 E Digital (Einhell)

☐ **2014/29/EU**
☐ **2005/32/EC_2009/125/EC**
☐ **(EU)2015/1188**
☐ **2014/35/EU**
☐ **2006/28/EC**
☒ **2014/30/EU**
☐ **2014/32/EU**
☐ **2014/53/EU**
☐ **2014/68/EU**
☐ **(EU)2016/426**
Notified Body:
☐ **(EU)2016/425**
☒ **2011/65/EU_(EU)2015/863**

☒ **2006/42/EC**
☐ **Annex IV**
Notified Body:
Reg. No.:
☐ **2000/14/EC_2005/88/EC**
☐ **Annex V**
☐ **Annex VI**
Noise: measured L_{WA} = dB (A); guaranteed L_{WA} = dB (A)
P = KW; L/Ø = cm
Notified Body:
☐ **2012/46/EU_(EU)2016/1628**
Emission No.:

Standard references: EN 62841-1; EN 62841-3-13; EN 60825-1; EN 55014-1; EN 55014-2; EN 61000-3-2; EN 61000-3-3

Landau/Isar, den 24.08.2020

Andreas Weichselgartner/General-Manager

Yang/Product-Management

First CE: 19
Art.-No.: 42.507.51 I.-No.: 21010
Subject to change without notice

Archive-File/Record: NAPR024238
Documents registrar: Eric Page
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