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Bench Drill Press
USER MANUAL

MODEL: DP30016B-VS

We continue to be committed to provide you tools with competitive price.
"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

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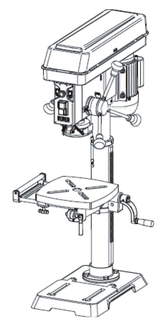
Bench Drill Press

MODEL: DP30016B-VS



(The picture is for reference only, please refer to the actual object)

NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

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This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

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XIV. Disposal and recycling

The device is supplied in packaging to avoid transport damages. This packaging is raw material and can thus be used again or can be reintegrated into the raw material cycle.

The device and its accessories are made of different materials, such as metals and plastics. Take defective components to special waste disposal sites. Check with your specialist dealer or municipal administration!

Do not throw old equiment away with household waste!

This symbol indicates that this product must not be disposed of in household waste as per Waste Electrical and Electronic Equipment directive (2012/19/EU) and national laws. This product must be handed over at the intended collection point. This can be done, for example, by returning it when purchasing a similar product or delivering it to an authorised collection point for the recycling of old electrical and electronic devices. Improper handling of waste equipment may have negative consequences for the environment and human health due to potentially hazardous substances that are often contained in electrical and electronic equipment. By disposing of this product properly, you are also contributing to the effective use of natural resources. Information about collection points for old devices can be found at your municipal authority, the local disposal provider, an authorised location for the disposal of old electrical and electronic devices or your waste collection service.

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I. Device Description

1	Machine foot
2	Column
3	Clamping handle
4	Drilling table
5	Engine
6	Speed adjustment lever
7	V-belt cover
8	Emergency stop switch
9	ON & OFF switch
10	Handle
12	Drill chuck
13	Roller support
14	Wing Screws
15	Digital Display
16	Laser ON/OFF switch
17	Machine head
18	Work lamp ON/OFF switch
19	Depth indicator with stop
20	Crank handle
21	Tapered mandrel
22	Drilling table holder
23	Hegaxonal bolts
24	Work lamp
25	Hexagonal bolt
26	Mounting holes
A.	Hexagonal spanner
B.	Taper key
C.	4 mm Allen key
D.	3 mm Allen key

II. Scope of delivery

- 1 Drilling machine
- 1 Drilling table
- 4 handles
- 1 Folding swarf protector
- 2 Wing screws
- 4 Hexagonal bolts
- 2 Clamping handle
- 1 Allen key 3mm
- 1 Allen key 4mm
- 1 Hexagon spanner
- 1 Drift wedge
- 1 Chuck with key
- 1 Column
- 1 Machine foot
- 1 Crank handle
- 1 Tapered mandrel
- 1 Drilling table holder(Mounted with the column)
- 1 Cord and plug

III. Proper use

The bench drill is designed for drilling in metal, wood, plastic and tiles. Straight shank drills with a drilling diameter of 3 mm to 16 mm can be used. The device is only intended to be used for DIY purposes. It was not designed for continuous commercial use. The device is not intended for use by people under the age of 16. Children under the age of 16 may only use the device when supervised. The manufacturer is not liable for damage caused by improper use or incorrect operation. It is strictly forbidden to dismantle, modify or change the purpose of the guards on the machine or to fit other guards.

Please note that our equipment was not designed with the intention of use for commercial or industrial purposes. We assume no guarantee if the device is used in commercial or industrial applications, or for equivalent work.

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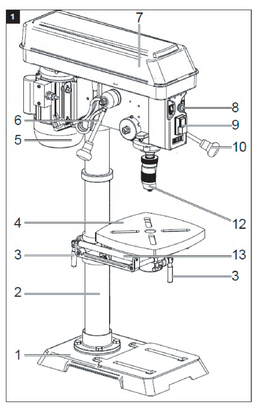

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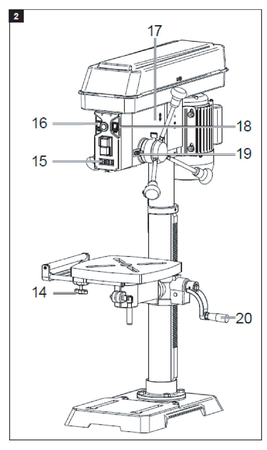

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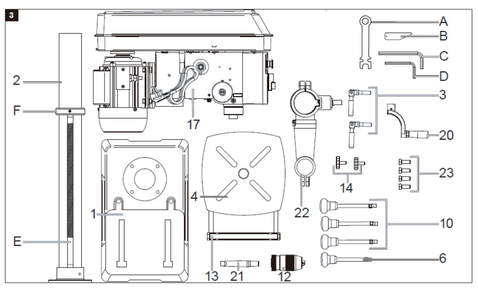

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XIII. Trouble Shooting

WARNING: Always switch the machine off and pull the plug out of the socket prior to troubleshooting.

Fault	Possible cause	Remedy
The axle moves into its starting position too quickly or too slowly	The spring pre-tension is set incorrectly.	Set the pre-tension, see “Setting the spindle return spring”.
The chuck keeps loosening from the spindle despite being reattached.	Dirt, grease or oil on the spindle or on the inside of the chuck.	Use a household detergent to clean the surface of the spindle and chuck. Also see “Installing the chuck”.
High noise level during operation	Incorrect V-belt tension.	Set the V-belt tension again. Also see “Setting the speed and V-belt tension”.
	The spindle is too dry.	Test the spindle.
	The pulley on the spindle is loose.	Check that the nuts on the pulley are tight and re-tighten if necessary.
	The pulley on the motor is loose.	Tighten the set screw on the motor pulley.
The drill bit slips or the hole is not round	Incorrect speed	Change the speed. Also see “Selecting the speed and V-belt tension”.
	No chips come out of the hole.	Move the drill bit out of the hole regularly in order to pull the chips out.
	The drill bit is blunt.	Sharpen the drill bit.
	Insufficient downward pressure.	Increase the downward pressure.
The drill bit slips or the hole is not round	Hard places in the wood or the length and angle of the drill bit is different.	Sharpen the drill bit.
	The drill bit is bent.	Replace the drill bit.
The drill bit gets stuck in the workpiece	The workpiece and drill bit are twisted or the downward pressure is too great.	Place something underneath the workpiece or secure it. Also see “Positioning the workpiece”.
	Insufficient V-belt tension	Set the V-belt tension. Also see “Selecting the speed and V-belt tension”.
The drill bit drifts and vibrates excessively	The drill bit is bent.	Use a straight drill bit.
	The spindle bearing is worn excessively.	Have the spindle bearing replaced.
	The drill is not centred in the chuck.	Check the centring. Also see “Inserting the tool into the chuck”
	Chuck is not firmly fixed.	Correctly fix the chuck. Also see “Installing the chuck”

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Setting the spindle return spring, Fig. 25
The spindle return spring may have to be set, as it's tension has changed and therefore, the spindle moves back too quickly or too slowly.
1. Lower the table for more space to work.
2. Work on the left of the drill.
3. Insert a screwdriver into the front groove (L) and keep this in position.
4. Use an open-ended spanner (Size 19) to remove the outer nut (O)
5. With the screwdriver still in the groove, loosen the inner nut (N) until the notch (K) releases from the hub (P). ATTENTION! Springs are tensioned!
6. Turn the spring cap (M) carefully in an anti-clockwise direction using the screwdriver until you can press the groove into the hub (P).
7. Lower the spindle into the lowest position and keep the spring cap (M) in position. Once the spindle moves up and down as you require, re-tighten the inner nut (N).
8. If it is too loose, repeat steps 3-5. If it is too tight, in reverse order
9. Use an open-ended spanner to secure the outer nut (O) against the inner nut (N). NOTE: Do not over-turn and do not limit the range of movement of the spindle!

Service information
With this product, itw is necessary to note that the following parts are subject to natural or usage-related wear, or that the following parts are required as consumables.

Wearing parts*: Carbon brushes, V-belts, drill bits, * may not be included in the scope of supply!
Spare parts and accessories can be obtained from our Service Centre.

Inspection & Maintenance Plan

Regular maintenance intervals	Before each commissioning	After each commissioning	If necessary
Check safety devices	X		
Check V-belt and tighten if necessary	X		
Lubricate the column and table with a thin layer of oil		X	
Clean tapered mandrel			X
Clean the machine of drilling dust and metal shavings		X	

XII. Storage

Store the equipment and accessories out of children's reach 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.

Attention! Unplug the machine!
The appliance must unconditionally be secured against falling or turning down during transport.

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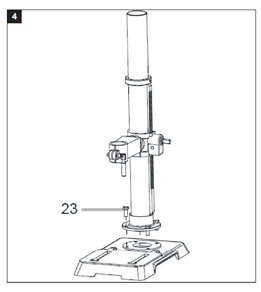

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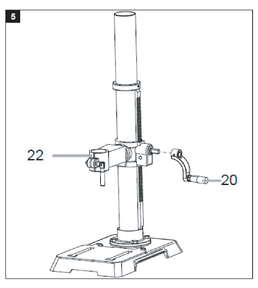

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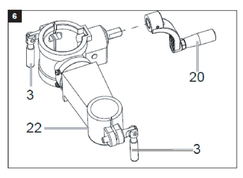

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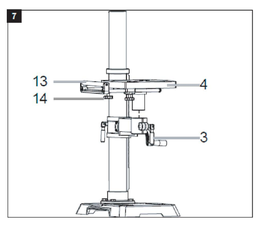

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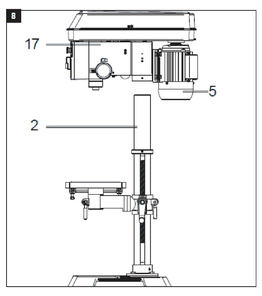

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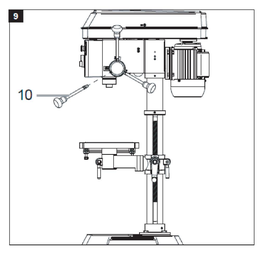

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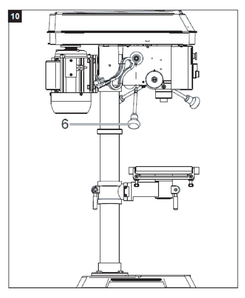

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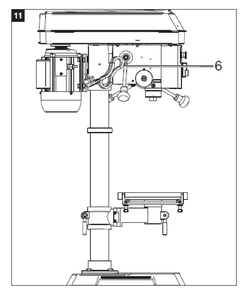

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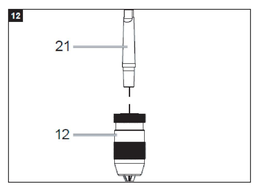

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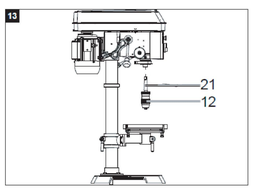

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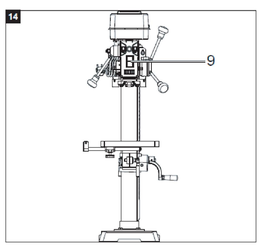

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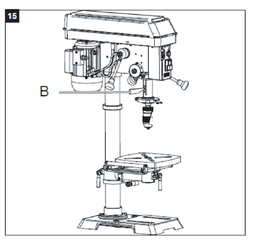

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The specified speeds are only guideline values

Drill bit ø	Cast iron	Steel	Stain-less steel	Alu-mini-um	Wood
3	2200	2100	1200	4500	3000
4	1700	1800	1000	4000	2600
5	1550	1500	800	3500	2150
6	1400	1200	600	3000	1800
7	1200	1000	450	2500	1400
8	1000	800	360	2000	1100
9	910	650	270	1600	850
10	825	500	220	1200	650
11	740	450	200	1050	575
12	650	400	180	900	500
13	610	370	165	800	435
14	575	340	150	700	370
16	500	300	140	580	300

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

Machining 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.

Metalworking
When drilling metals, use a suitable cooling lubricant to reduce wear of the tool and heat build-up in the workpiece.

X. Electrical connection

The electrical motor installed is connected and ready for operation. The connection complies with the applicable VDE and DIN provisions. The customer's mains connection as well as the extension cable used must also comply with these regulations. When working with this electric tool and during temporary use outdoors, the device must be connected **a residual current circuit breaker** with a triger current of 30 mA or less.

Important information
In the event of overloading, the motor will switch itself off. After a cool-down period (time varies) the motor can be switched back on again.

Damaged electrical connection cable
The insulation on electrical connection cables is often damaged. This may have the following causes:

• Pressure points, where connection cables are passed through windows or doors.
• Kinks where the connection cable has been improperly fastened or routed.
• Places where the connection cables have been cut due to being driven over.
• Insulation damage due to being ripped out of the wall outlet.
• Cracks due to the insulation ageing.

Such damaged electrical connection cables must not be used and are life-threatening due to the insulation damage. Check the electrical connection cables for damage regularly. Ensure that the connection cables are disconnected from electricaw power when checking for damage. Electrical connection cables must comply with the applicable VDE and DIN provisions. Only use connection cables with the marking „H05VV-F“. The printing of the type designation on the connection cable is mandatory.

Connection type X: If the mains connection cable of this device is damaged, it must be replaced with a special connection, lead available from the manufacturer or its after-sales service.

AC motor
• The mains voltage must be 230-240V~, • Extension cables up to 25m long must have a cross-section of 1.5 mm². Connections and repairs of electrical equipment may only be carried out by an electrician.

XI. Maintenance/Cleaning

Pull out the mains plug before carrying out any adjustments, maintenance or repair work!

Have maintenance and repair tasks that are not described in this operating manual, carried out by our service centre. Use only original parts. Let the device cool down before all maintenance and cleaning tasks. There is a risk of burns!

Each time before using the device, check it for obvious defects such as loose, worn or damaged parts, or that screws or other parts are tight. Replace damaged parts.

Cleaning
Do not use cleaning agents or solvents. Chemical substances could damage the plastic parts of the device.Never clean the device under running water.
• Clean the device thoroughly after each use.
• Clean the ventilation holes and the surface of the device with a soft brush or cloth.
• Remove swarf, dust and dirt with a vacuum cleaner if necessary.
• Lubricate the moving parts regularly.
• Do not allow any lubricants to come into contact with switches, V-belts, drive pulleys and drill lifting arms.

Maintenance

Setting the laser, Fig. 23+27
Clamp a drill bit in the chuck (12). The laser forms a crosshair in the centre of the drill. If the laser line does not meet in the centre of the drill, the laser must be adjusted. Position the drilling table (4) as close as possible to the drill. Loosen the locknuts (G). The laser lines can be adjusted by turning the adjustment screws (H) on both sides. Set the laser lines such that they cross in the middle of the drill tip.

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Setting the speed adjustment (Fig. 1, 22)
The speed of the machine can be continuously adjusted.

ATTENTION!
• Speed adjustments are allowed only when the motor is running.
• Set the speed by slowly and evenly moving the speed adjustment lever (6),while the machine is idling.
• Ensure that the machine can run without interruption (i.e. remove workpieces, drill bits, etc.).

Use the speed adjustment lever (6) to continuously adjust the speed. The set speed is shown on the digital display (15) in revolutions per minute.

ATTENTION! Never run the bench drill when the V-belt cover is open. Always pull the mains plug before opening the cover. Never touch the V-belt when it is running.

Drill depth stop (Fig. 16)
The drill spindle has a rotatable scale ring for setting the drilling depth. Only adjust the setting when the equipment is at a standstill.
• Press the drill spindle downwards until the tip of the drill bit touches the workpiece.
• Slacken the clamping screw and turn the scale ring forwards until it stops.
• Turn the scale ring back to the desired drill depth, then lock this setting into place using the clamping screw.

Attention! When setting the drilling depth of a cylindrical hole you must add the length of the drill tip.

Setting the inclination of the drilling table (Fig. 17)
• Loosen the hexagonal bolt (25) under the drilling table (4).
• Set the drilling table (4) to the desired angle.
• Tighten the hexagonal bolt (25) in order to lock the drill table (4) into this position.

Setting the height of the drill table (Fig. 18/19)
• Loosen the clamping handle (3).
• Move the drilling table (4) to the desired position using the crank handle (20).
• Retighten the clamping handle (3).

Drill table and roller support (Fig. 20)
• After releasing the clamping handle (3), the drilling table (4) can be rotated.
• The roller support (13) can be pulled out once the wing screws (14) have been loosened.

Tensioning the workpiece
As a general rule, use a machine vice or another suitable clamping device to secure a workpiece in position. Never hold workpieces in place with your hand! When drilling, the workpiece should be able to move on the drill table (4) for self-centering purposes. Ensure that the workpiece cannot rotate/twist. The best way to do this is to place the workpiece or machine vice against a fixed stop.

Attention! Metal parts must be clamped so that they cannot be pulled up. Depending on the workpiece, correct adjust the height and inclindation. There must be enought distance between the top of the workpiece and the tip of the drill.

Laser operation (Fig. 21, 23)
Switching ON: Move the laser ON/OFF switch (16) to position “I” to switch on the laser. Two laser lines are projected onto the workpiece to be machined, the intersection of which indicates the centre of the drill tip.
Switching OFF: Move the laser ON/OFF switch (16) into the “0” position.

Working lamp operation (Fig. 21/24)
Note: Always ensure good lighting at the work station
Switching on: Set the ON/OFF switch for the work lamp (18) to the “I” position to switch the work lamp (24) on.
Switching off: Set the ON/OFF switch for the work lamp (18) to the “0” position.

Working speeds
Ensure that the speed is correct when drilling. This depends on the drill bit diameter and the material. The list on the following table (next page) helps you to choose speeds for the various materials.

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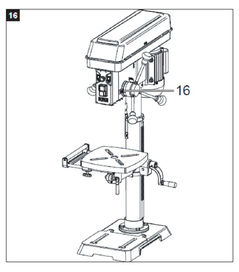

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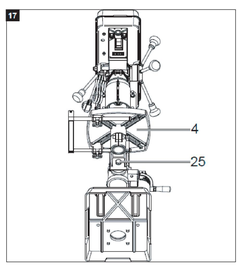

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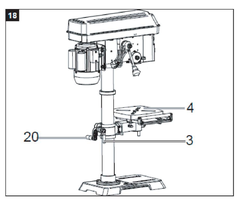

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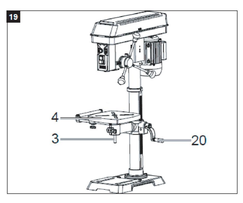

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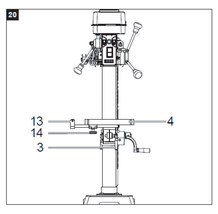

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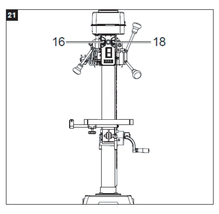

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VIII. Assembly

Column and machine foot, Fig. 4
1. Set the machine foot (1) down on the ground or the workbench.
2. Place the column (2) on the base plate so that the holes on the column (2) align with the holes on the base plate (1).
3. Screw the four hexagonal screws (23) to fasten the column into the base plate and tighten them using a hexagon spanner (A).

Assembling the drilling table, Fig.7
1. Insert the drilling table (4) into the drilling table holder (22)
2. Use a clamping handle (3) to secure the drilling table (4).

Installing the machine head and column, Fig. 8
1. Place the machine head (17) on the column (2).
2. Align the drill's spindle with the table and the base plate and tighten the Allen screws that are located on the side of the machine head (Allen key, 4mm/C).

Installing the handle, Fig. 9+10
1. Screw three handles (10) tight in the handle bracket's thread. Use the hexagon spanner (A) to do this.
2. Screw the speed adjusment lever (6) into the handle bracket for speed adjustment. Use the hexagon spanner (A) to do this.

Installing the folding swarf protector and the drill chuck, Fig.11+12+13
1. Push the folding swarf protector (11) onto the spindle on the machine head and use a Phillips head screwdriver to secure it.
2. Push the tapered mandrel (21) into the drill chuck (12) with a sharp jolt.
3. Then push the tapered mandrel (21) into the drill spindle. To do this, guide the drill chuck (12) including the cone (21) into the spindle until is reaches the stop and then turn it until it slides a little further into the spindle. Now insert the drill chuck (12) including the cone into the spindle. Check that it is tight.

Note: To protect against corrosion, all bare parts are heavily greased at the factory. Before placing the drill chuck (12) on the spindle, both parts must be made completely free of grease with an environmentally friendly solvent, so that optimal power trasmission is guaranteed

Setting up the machine. Fig. 26
Before you use the drill for the first time it must be mounted in a stationary position on a firm surface. Use both fastening holes **(26)** in the base plate to do this. Ensure that the machine is freely accessible for operation, adjustment and maintenance.

Note: The fastening screws must only be tightened so that the base plate is not strained or deformed. Risk of breakage in case of heavy loads.

Pay attention prior to commisioning
Make sure that the voltage of the mains connection matches the type plate. Only connect the machine to a socket with a properly installed protective contact. The drilling machine is equipped with a zero-voltage release, which protects the operator against unintentional restart after a voltage drop. In this case, the machine must be switched on again.

IX. Operating instructions

EMERGENCY STOP switch, Fig. 1
The emergency stop switch (8) engages as soon as it is pressed and switches the machine off. Do not routinely use the emergency stop switch (8) to stop the machine.

ATTENTION! Even after the emergency stop switch (8) has been pressed, the drill spindle continues to rotate for a few seconds, depending on the speed set. When drilling, be aware that if the pressure is too high, the drill will wear out prematurely and may even break or become jammed in the hole. If jamming occurs, stop the main drive motor immediately by pressing the emergency stop switch (8).

ON & OFF SWITCH (Fig.14)
To switch on the machine, push the green ON button “I” (9); the machine starts. To switch off , press the red OFF button “O” (9); the device switches off. Ensure that you do not overload the device. If the motor noise drops during operation, it is being overloaded. Do not overload the device to the point where the motor comes to a standstill. Always stand in front of the machine during operation.

Inserting the tool into chuck
Make sure that the mains plug is removed from the socket-outlet before changing tools. Only cylindrical tools with the stipulated maximum shaft diameter may be clamped in the chuck (12). 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 bench drill should become jammed, switch off the machine and return the drill to its starting position. For your own safety, only use accessories and additional equipment that are indicated in the operating manual or have been recommended or indicated by the manufacturer.

Using tools with a conical shaft **(Fig. 15)**
The bench drill has a drilling spindle cone. To use tools with a conical shaft (MT2), proceed as follows:
• Move the chuck to the lower position.
• Drive out the conical shaft with the supplied taper key (b), taking care that the tool cannot fall onto the ground.
• Push the new tool with the conical shaft abruptly into the drilling spindle cone and check that the tool is tightly fit.

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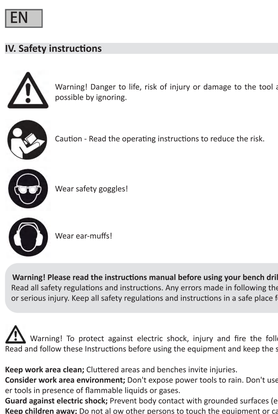

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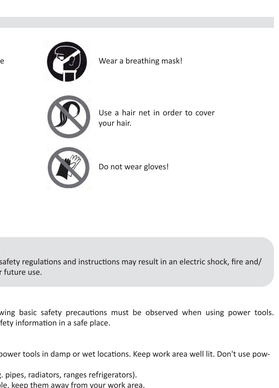

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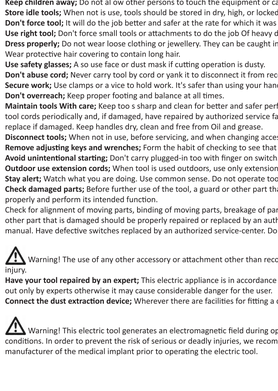

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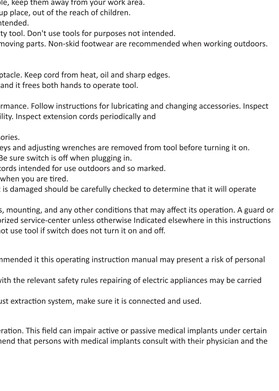

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Unless otherwise specified In the operating instructions, any damaged safety devices and parts must be properly repaired or replaced by a professionally recognized workshop. Never use tools with defective On/Off switches.

Warning: Using any plug-in tools and accessories other than those specified in these operating instructions can lead to injury. **Maximum workpiece size;** Workpieces (max. 20 x 20 cm) may only be processed if they can be clamped securely on the drill table or in the vise.

Remaining hazards
The machine has been built using modern technology in accordance with recognized safety rules. Some remaining hazards however, may still exist.
- Long hair and loose clothing can be hazardous when the work piece is rotating. Wear personal protective gear such as a hair net and tight fitting work clothes.
- Wood chips and saw dust can be health hazard. Be sure to wear personal protective gear such as safety goggles and a dust mask. Use a vacuum exhaust system.
- Thrown work-pieces lead to injury if the work piece is not properly secured fed, such as working without a limit stop,
- the use of incorrect or damaged mains cables can lead to injuries caused by electricity,
- even when all safety measures are taken, some remaining hazards which are not yet evident may still be present.

Remaining hazards can be minimised by following the instructions in “safety instructions and in the entire operating manual.
Keep this safety information in a safe place.

Laser
Protect yourself and you environment from accidents using suitable precautionary measures!
• Do not look directly into the laser beam with unprotected eyes.
• Never look into the path of the beam.
• Never point the laser beam towards reflecting surfaces and persons or animals. Even a laser beam with a low output can cause damage to the eyes.
• Caution - methods other than those specified here can result in dangerous radiation exposure.ww
• Never open the laser module. Unexpected exposure to the beam can occur.
• If the mitre saw is not used for an extended period of time, the batteries should be removed.
• The laser may not be replaced with a different type of laser.
• Repairs of the laser may only be carried out by the laser manufacturer or an authorised representative.

Attention: Laser radiation
Do not stare into the beam
Class 2 laser

V. Technical Data

Voltage/Frequency:	230-240V/50Hz
Power:	S1 550W S2 10min 750W
Speed settings:	Variable Drilling Speed, 340~2200rpm
Chuck type/size:	Chuck with key / 3-16mm
Spindle travel:	90mm
Swing:	300mm
Column Dia.:	60mm
Table tilt:	0-45° left or right
Table size:	240×240 mm with extension support
Base size:	413X246mm
Max. Drill Capacity:	16mm
Machine Height:	950mm

* The manufacturer reserves the right to make minor changes to product design and technical specifications without prior notice unless these changes significantly affect the performance and safety of the products. The parts described / illustrated in the pages of the manual that you hold in your hands may also concern other models of the manufacturer's product line with similar features and may not be included in the product you just acquired.

* 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.

* To ensure the safety and reliability of the product and the warranty validity, all repair, inspection, repair or replacement work, including maintenance and special adjustments, must only be carried out by technicians of the authorized service department of the manufacturer.

* Always use the product with the supplied equipment. Operation of the product with non-provided equipment may cause malfunctions or even serious injury or death. The manufacturer and the importer shall not be liable for injuries and damages resulting from the use of non-conforming equipment.

VI. Unpacking

• Open the packaging and carefully remove the device.
• Remove the packaging material, as well as the packaging and transport safety devices (if present).
• Check whether the scope of delivery is complete.
• Check the device and accessory parts for transport damage.

ATTENTION
The device and the packaging are not children's toys! Do not let children play with plastic bags, films or small parts! There is a danger of choking or suffocating!

VII. Before commissioning

Before each use, always check:
• ON/OFF switch incl. emergency stop switch for proper function.
• Always carry out a visual inspection before use.
• Check safety devices, electrical controls, electrical cables and screw connections in particular for damage and firm seating. If necessary, replace damaged parts before operating the machine.
• Make sure that the table clamping lever is tightened before you start the machine.
• Make sure that the drill bit is securely fastened in the chuck.
• Remove the chuck key from toothed chucks. Before switching the device on, check whether the chuck key has been removed.

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IV. Safety instructions

Warning! Danger to life, risk of injury or damage to the tool are possible by ignoring.

Caution - Read the operating instructions to reduce the risk.

Wear safety goggles!

Wear ear-muffs!

Wear a breathing mask!

Use a hair net in order to cover your hair.

Do not wear gloves!

Warning! Please read the instructions manual before using your bench drill.
Read all safety regulations and instructions. Any errors made in following the safety regulations and instructions may result in an electric shock, fire and/or serious injury. Keep all safety regulations and instructions in a safe place for future use.

Warning! To protect against electric shock, injury and fire the following basic safety precautions must be observed when using power tools. Read and follow these Instructions before using the equipment and keep the safety information in a safe place.

Keep work area clean; Cluttered areas and benches invite injuries.
Consider work area environment; Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit. Don't use power tools in presence of flammable liquids or gases.
Guard against electric shock; Prevent body contact with grounded surfaces (e.g. pipes, radiators, ranges refrigerators).
Keep children away; Do not al ow other persons to touch the equipment or cable, keep them away from your work area.
Store idle tools; When not is use, tools should be stored in dry, high, or locked-up place, out of the reach of children.
Don't force tool; It will do the job better and safer at the rate for which it was intended.
Use right tool; Don't force small tools or attachments to do the job Of heavy duty tool. Don't use tools for purposes not intended.
Dress properly; Do not wear loose clothing or jewellery. They can be caught in moving parts. Non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
Use safety glasses; A so use face or dust mask if cutting operation is dusty.
Don't abuse cord; Never carry tool by cord or yank it to disconnect it from receptacle. Keep cord from heat, oil and sharp edges.
Secure work; Use clamps or a vice to hold work. It's safer than using your hand and it frees both hands to operate tool.
Don't overreach; Keep proper footing and balance at all times.
Maintain tools With care; Keep too s sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and, if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from Oil and grease.
Disconnect tools; When not in use, before servicing, and when changing accessories.
Remove adjusting keys and wrenches; Form the habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
Avoid unintentional starting; Don't carry plugged-in too with finger on switch. Be sure switch is off when plugging in.
Outdoor use extension cords; When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
Stay alert; Watch what you are doing. Use common sense. Do not operate tool when you are tired.
Check damaged parts; Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.
Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service-center unless otherwise Indicated elsewhere in this instructions manual. Have defective switches replaced by an authorized service-center. Do not use tool if switch does not turn it on and off.

Warning! The use of any other accessory or attachment other than recommended it this operating instruction manual may present a risk of personal injury.
Have your tool repaired by an expert; This electric appliance is in accordance with the relevant safety rules repairing of electric appliances may be carried out only by experts otherwise it may cause considerable danger for the user.
Connect the dust extraction device; Wherever there are facilities for fitting a dust extraction system, make sure it is connected and used.

Warning! This electric tool generates an electromagnetic field during operation. This field can impair active or passive medical implants under certain conditions. In order to prevent the risk of serious or deadly injuries, we recommend that persons with medical implants consult with their physician and the manufacturer of the medical implant prior to operating the electric tool.

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IVa. General safety instructions for accident prevention

It is essential that you read the safety regulations and operating instructions in their entirety and follow the information contained therein in order to eliminate the possibility of an accident or potentially dangerous situation from occurring while working with the machine
- Always check the device, the mains cable and the plug before using the device. Only operate the tool when it is in good working order and is not damaged in any way.
Damaged parts have to be replaced immediately by a qualified electrician.
- Always pull the power plug out of the socket outlet before doing any work on the machine, before changing tools and whenever the machine is not being used
- To prevent damage to the power cable, always lead the power cable away from the rear of the machine.
- Keep the tools in a safe place and out of the reach of children.

Attention!
The device and packaging materials are not toys!
Children must not be allowed to play with plastic bags, film and small parts! There is a risk of swallowing and suffocation!

Electrical connection
The installed electric motor is completely wired ready tor operation. The customer's connection to the power supply system, and any extension cables that may be used, must conform with local regulations.

Defective electrical connection cables
Electrical connection cables often suffer insulation damage.
Possible causes are:
Pinch points when connection cables are run through window or door gaps.
Kinks resulting from incorrect attachment or laying of the connection cable.
Cuts resulting from running over the connecting cable.
Insulation damage resulting from forcefully pulling out of the wall socket.
- Cracks through aging of insulation.
Such defective electrical connection cables must not be used as the insulation damage makes them extremely hazardous.

Check electrical connection cables regularly for damage. Make sure the cable is disconnected from the mains when checking.
Electrical connection cables must comply with the regulations applicable in your country.

Warning: The machine must have an earth cable to protect the operator from electrical shocks.

INTENDED USE: This drill is designed for drilling metal, plastic, wood and similar materials. Food and harmful materials may not be processed with the equipment, the drill chuck is only designed for use with drill bits and tools with a shaft diameter of 3 to 16 mm, and for cylindrical tool shanks. The equipment is intended for use by adults only. The equipment is allowed to be used only for the 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 resulting from such misuse, 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. 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 ta ensure that all resiudual hazards are ruled out.

IVb. Safety instructions for bench drills

Ensure proper voltage; the voltage must comply with the specifications an the rating plate.
Use a socket-outlet with earthing contact; the device may only be operated from an cutlet with the properly installed earthing contact.
Extension cable; the cord cross section of an extension cable must measure at least 1.5mm². Always completely unwind a cable reel prior to use, check the cable far defects.
Protection against electrical shock; keep the device away from moisture the device must neither be damp nor be operated n 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, heat 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. Otherwise there is a risk of fire or explosion.
Handle the device with care; do not use the cable to pull the plug out of the socket. Protect the cable from heat, and sharp edges keep your tools sharp and clean so that you can work efficiently and safely. Follow the maintenance regulations and the instructions for changing tools.
Wear suitable work clothes and personal protection equipment; loose clothing s not suitable. As can be caught by moving parts, causing to become entangled. Wear a hair net it you have long hair. As a general rule, jewellery should not be worn when working with machine tools. Ensure that you wear safety goggles. Not doing so could result in eye injury.
Keep your 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.
Watch out for other persons; Watch out for other persons (especially children) when using the device, and keep them away from your work area. DO not let anyone touch the device or the power cable.
Store the tools in a safe location; Store unused devices in a dry, locked location that is out of the reach of children.
Avoid overloading the device; Operate the device only within the specified output range. Do not use any low-powered machines for heavy duty work. Do not use tools to perform work for which they were not intended.
Maintain a steady foothold; Ensure that you maintain a steady foothold while working. Avoid abnormal body positions and always keep your balance.
Pull out the mains plug; pull Out the mains plug when not using the tool, prior to maintenance, and when changing the drill bit.
Pull out the power plug; Ensure that the mains connection is protected by at least a 10 A-rated fuse.
Avoid unintentional start up; Ensure that switch is turned off when plugging the plug into the socket.
Keep an eye on your work; A ways 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.
Check the tool for damage; Before using the tool, 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.