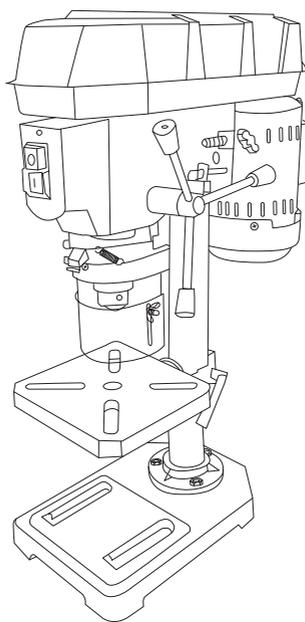




EN

TITAN

350W Drill Press



Original Instructions_MNL_TTB924DBT_GB_V1_220421

TTB924DBT

EAN: 5059340397627



CAUTION: Read the instructions before using the product.

V10422 / BX220IM

Let's get started...

These instructions are for your safety. Please read through them thoroughly before use and retain them for future reference.



Getting **started...** 02

Safety information	03
Your product	16
Before you start	20



In more **detail...** 26

Product functions	27
Operation	32
Care and maintenance	34
Troubleshooting	36
Recycling and disposal	38
Guarantee	39
Declaration of conformity	40

Safety warnings

General power tool safety warnings



WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool. *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*

Save all warnings and instructions for future reference.

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

- a) **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
- c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

2) Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*

Getting started...

Safety warnings

- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
 - c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
 - d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
 - e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
 - f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*
- 3) Personal safety**
- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*
 - b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*

- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*
 - d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
 - e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
 - f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
 - g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*
 - h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*
- 4) Power tool use and care**
- a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
 - b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*

Safety warnings

- c) **Disconnect the plug from the power source and/ or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*
- e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*
- f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

5) Service

- a) **Have your power tools serviced by a qualified repair person using only identical replacement parts.** *This will ensure that safety of the power tool is maintained.*

Safety instructions for drill press

- a) **The drill must be secured.** *A drill that is not properly secured may move or tip over and may result in personal injury.*
- b) **The workpiece must be clamped or secured to the workpiece support. Do not drill pieces that are too small to be clamped securely.** *Holding the workpiece by hand during operation may result in personal injury.*
- c) **Do not wear gloves.** *Gloves may be entangled by the rotating parts or chips leading to personal injury.*
- d) **Keep your hands out of the drilling area while the tool is running.** *Contact with rotating parts or chips may result in personal injury.*
- e) **Make sure the accessory is rotating before feeding into the workpiece.** *Otherwise the accessory may become jammed in the workpiece causing unexpected movement of the workpiece and personal injury.*
- f) **When the accessory is jammed, stop applying downward pressure and switch off the tool. Investigate and take corrective actions to eliminate the cause of the jam.** *Jamming can cause unexpected movement of the workpiece and personal injury.*
- g) **Avoid generating long chips by regularly interrupting downward pressure.** *Sharp metal chips may cause entanglement and personal injuries.*

Safety warnings

- h) **Never remove chips from the drilling area while the tool is running. To remove chips, move the accessory away from the workpiece, switch off the tool and wait for the accessory to stop moving. Use tools such as a brush or hook to remove chips. Contact with rotating parts or chips may result in personal injury.**
- i) **Accessories with speed ratings must be rated at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed can break and fly apart.**

Additional safety warnings for drill press

- a) Keep bits clean and sharp. Sharp bits minimize stalling. Dirty and dull bits may cause misalignment of the material and possible operator injury.
- b) Never use excessive force on the handle.
- c) Always ensure the product is securely mounted to a solid workbench.
- d) Never remove the guard.
- e) Adjust the table or depth stop to avoid drilling into the table. Shut off the power, remove the drill bit, and clean the table before leaving the product.
- f) Never perform any operation by moving the head or table with respect to one another. Do not turn the motor switch on or start any operation before checking that the head and table support lock handle is clamped tight to column and head and table support collars are correctly positioned.
- g) Before engaging the power switch, make sure the belt guard is down and the chuck is installed properly.
- h) Do not perform layout, assembly, or set-up work on the table while the cutting tool is rotating, switched on, or connected to a power source.

- i) If the power supply cord is damaged, it must be replaced only by the manufacturer or by an authorised service centre to avoid risk.
- j) Care should be taken when drilling brass and copper as drill may jam and break if too much pressure is applied.

The following information applies to professional users only but is good practice for all users:
ADDITIONAL SAFETY WARNING FOR CONSTRUCTION DUST

The updated Control of Substances Hazardous to Health Regulations 1st October 2012 now also targets to reduce the risks associated with silica, wood and gypsum dusts. Construction workers are one of the at-risk groups within this because of the dust that they breathe: silica dust is not just a nuisance; it is a real risk to your lungs!

Silica is a natural mineral present in large amounts in things like sand, sandstone and granite. It is also commonly found in many construction materials such as concrete and mortar. The silica is broken into very fine dust (also known as Respirable Crystalline Silica or RCS) during many common tasks such as cutting, drilling and grinding. Breathing in very fine particles of crystalline silica can lead to the development of:

- Lung cancer
- Silicosis
- Chronic Obstructive Pulmonary Disorder / Chronic obstructive pulmonary disease (COPD)

And breathing in fine particles of wood dust can lead to the development of Asthma. The risk of lung disease is linked to people who regularly breathe construction dust over a period of time, not on the odd occasion.

Safety warnings

To protect the lung, the COSHH Regulations sets a limit on the amount of these dusts that you can breathe (called a Workplace Exposure Limit or WEL) when averaged over a normal working day. These limits are not a large amount of dust: when compared to a penny it is tiny – like a small pinch of salt:

This limit is the legal maximum; the most you can breathe after the right controls have been used.

HOW TO REDUCE THE AMOUNT OF DUST?

- a) Reduce the amount of cutting by using the best sizes of building products.
- b) Use a less powerful tool e.g. a block cutter instead of angle grinder.
- c) Using a different method of work altogether – e.g. using a nail gun to direct fasten cable trays instead of drilling holes first.

Please always work with approved safety equipment, such as those dust masks that specially designed to filter out microscopic particles and use the dust extraction facility at all time.

For more information please see the HSE website:

<http://www.hse.gov.uk/construction> or <http://www.hse.gov.uk/pubns/cis69.pdf>



WARNING! Some dust particles created by power sanding, sawing, grinding, drilling and other construction jobs contain chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks and cement and other masonry products.
- Arsenic and chromium from chemically treated timber.

Your risk from these exposures varies, depending upon how often you do this type of work. To reduce your exposure to these chemicals:

- Work in a well-ventilated area.
- Work with approved safety equipment, such as those dust masks that are specially designed to filter microscopic particles.

Getting started...

VIBRATION

The European Physical Agents (Vibration) Directive has been brought in to help reduce hand arm vibration syndrome injuries to power tool users. The directive requires power tool manufacturers and suppliers to provide indicative vibration test results to enable users to make informed decisions as to the period of time a power tool can be used safely on a daily basis and the choice of tool.

SEE TECHNICAL SPECIFICATIONS IN THE INSTRUCTION MANUAL FOR THE VIBRATION LEVELS OF YOUR TOOL.

The declared vibration emission value should be used as a minimum level and should be used with the current guidance on vibration.

Calculating the actual period of use can be difficult and the HSE website has further information.

Safety warnings

The declared vibration emission value has been measured in accordance with a standardised test and may be used to compare one tool with another.

The declared vibration emission value may also be used in a preliminary assessment of exposure.



WARNING! The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used:

- How the materials are grinded, cut or drilled.
- If the tool is in good condition and well maintained.
- Use correct accessory for the tool and ensure it is sharp and in good condition.
- The tightness of the gripping handles.
- The tool is being used as intended by its design and these instructions.

While working with this power tool, hand/arm vibrations occur. Adopt the correct working practices in order to reduce the exposure to vibration. This tool may cause hand-arm vibration syndrome if its use is not adequately managed.



WARNING! Identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

Note:

- The use of other tools will reduce the users' total working period on this tool.
- Helping to minimise your vibration exposure risk. ALWAYS use sharp chisels, drills and blades.
- Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).
- Avoid using tools in temperatures of 10°C or less. Plan your work schedule to spread any high vibration tool use across a number of days.

Getting started...

Health surveillance

All employees should be part of an employer's health surveillance scheme to help identify any vibration related diseases at an early stage, prevent disease progression and help employees stay in work.

Vibration and noise reduction

To reduce the impact of noise and vibration emission, limit the time of operation, use low-vibration and low-noise operating modes as well as wear personal protective equipment.

Take the following points into account to minimise the vibration and noise exposure risks:

- a) Only use the product as intended by its design and these instructions.
- b) Ensure that the product is in good condition and well maintained.

Safety warnings

- c) Use correct attachments for the product and ensure they are in good condition.
- d) Keep tight grip on the handles/grip surface.
- e) Maintain this product in accordance with these instructions and keep it well lubricated (where appropriate).
- f) Plan your work schedule to spread any high vibration tool use across a longer period of time.
- g) Prolonged use of the product exposes the user to vibrations that can cause a range of conditions collectively known as hand-arm vibration syndrome (HAVS) e.g. fingers going white; as well as specific diseases such as carpal tunnel syndrome. To reduce this risk when using the product, always wear protective gloves when appropriate for use and keep your hands warm.

Emergency

Familiarise yourself with the use of this product by means of this instruction manual. Memorise the safety directions and follow them to the letter. This will help to prevent risks and hazards.

- a) **Always be alert when using this product, so that you can recognise and handle risks early.** *Fast intervention can prevent serious injury and damage to property.*
- b) **Switch off and disconnect from the power supply if there are malfunctions.** *Have the product checked by a qualified professional and repaired, if necessary, before you operate it again.*

Residual risks

Even if you are operating this product in accordance with all the safety requirements, potential risks of injury and damage remain. The following dangers can arise in connection with the structure and design of this product:

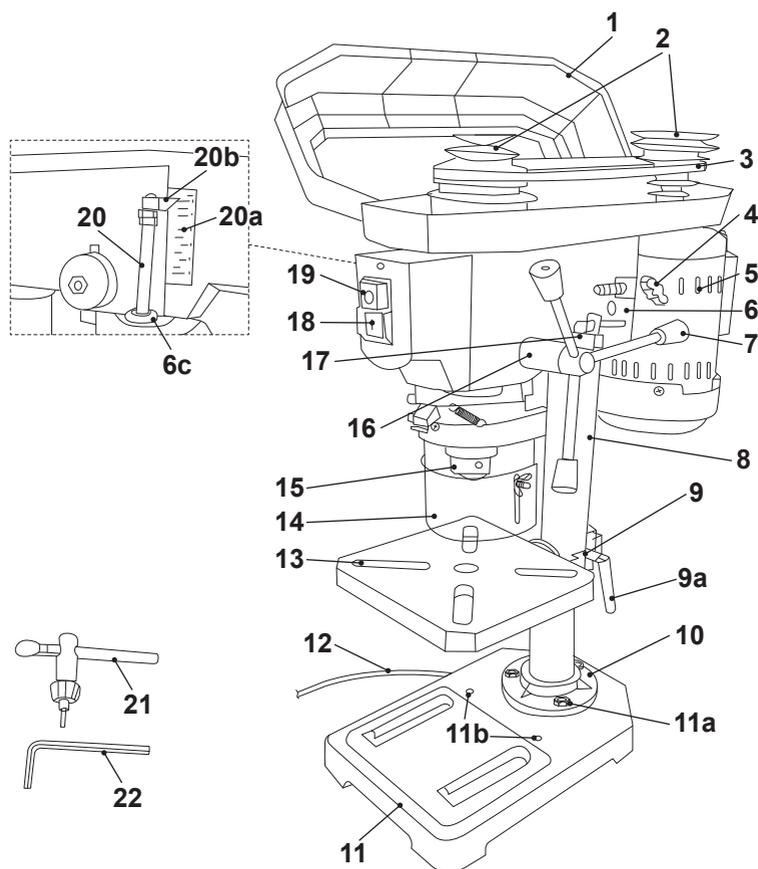
- a) Health defects resulting from vibration emission if the product is being used over long periods of time or not adequately managed and properly maintained.
- b) Injuries and damage to property due to broken cutting attachments or the sudden impact of hidden objects during use.
- c) Danger of injury and property damage caused by flying objects or poor power tool accessories.



WARNING! This product produces an electromagnetic field during operation! This field may under some circumstances interfere with active or passive medical implants! To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their doctor and the medical implant manufacturer before operating this product!

Your product

Getting started...



- | | | |
|---------------------------|-----------------------------|-------------------------|
| 1. Pulley cover | a. Clamp lever | f. Hex bolt* (x2) |
| a. Locking knob* | 10. Support | 15. Drill chuck |
| 2. Belt pulley (x2) | 11. Base | a. Jaws* |
| 3. Belt | a. Mounting bolt (x3) | 16. Spindle feed head |
| 4. Belt tension lock knob | b. Mounting hole (x2) | 17. Key holder |
| 5. Motor unit | 12. Power cord with plug | 18. Green On button I |
| a. Air vents* | 13. Drill table | 19. Red Off button O |
| 6. Machine head | a. Pointer line* | 20. Depth scale |
| a. Locking bolt* (x2) | b. Angle scale (± 45) | a. Scale meter (0-50mm) |
| b. Spindle neck* | c. Hex bolt* | b. Red pointer |
| c. Ring hole | 14. Chuck guard | c. Nut* |
| d. Spindle* | a. Clamp* | 21. Chuck key |
| 7. Feed handle (x3) | b. Crosshead bolt* | 22. 4mm hex key |
| 8. Column | c. Nut* | |
| 9. Clamp | d. Cover (x2) | |
| | e. Wing nut* (x2) | |



NOTE: Parts marked with * are not shown in this overview. Please refer to the respective part in the instruction manual.

Technical specifications

Drill Press

> Rated voltage, frequency	: 230-240 V~, 50 Hz
> Rated input	: 350 W S1, 500 W S6 40%
> Rated no load speed n_0	: 1450 min ⁻¹
> Spindle speed	: 600-2650 min ⁻¹
> Drill capacity	: Ø 1.3 - 13 mm
> Drill chuck	: B16
> Max. drill depth	: 50 mm
> Drill table tilting range	: 0° - ±45°
> Drill table dimensions	: 160 x 160 mm
> Protection type	: IPX0
> Protection class	: I ⚡
> Weight	: approx. 13.6 kg
> Dimensions	: approx. 420 x 210 x 600 mm

Sound values

> Sound pressure level L_{pA}	: 70.8 dB (A)
> Uncertainty K_{pA}	: 3 dB (A)
> Sound power level L_{WA}	: 83.8 dB (A)
> Uncertainty K_{WA}	: 3 dB (A)

Hand arm vibration values

> Hand arm vibration $a_{h,w}$: < 2.5 m/s ²
> Uncertainty K	: 1.5 m/s ²

The sound values have been determined according to noise test code given in EN 62841-1 and EN 62841-3-13, using the basic standards EN ISO 11203 and ISO 3744.

The sound intensity level for the operator may exceed 80 dB(A) and ear protection measures are necessary.

The declared vibration value and sound values have been measured in accordance with a standard test method (according to EN 62841-1) and may be used for comparing one product with another.

The declared vibration total value(s) and the declared noise emission value(s) may also be used in a preliminary assessment of exposure.

Getting started...

Technical specifications



WARNING! The vibration and noise emissions during actual use of the power tool can differ from the declared values depending on the ways in which the tool is used especially what kind of workpiece is processed; and need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

Rating label explanation

TTB924DBT = Model number

TT = TITAN

B = Voltage (230-240 V~)

924 = Sequential Code

DBT = Drill Bench Top

Symbols

On the product, the rating label and within these instructions you will find among others the following symbols and abbreviations. Familiarise yourself with them to reduce hazards like personal injuries and damage to property.

V~	Volt (alternating voltage)	Hz	Hertz
W	Watt	mm	Millimetre
n_0	No-load speed	g	Gram
/min or min^{-1}	Per minute	kg	Kilogram
dB(A)	Decibel (A-rated)	m/s^2	Metres per seconds squared
S1	Operation mode S1 – continuous operation This means that you may operate the motor continuously at its power level (350W).		
S6 40%	Operating mode S6 - intermittent periodic duty This means that you may operate the motor continuously at its nominal power level (500W) for no longer than the time (4 min) stipulated on the specifications label. If you fail to observe this time limit the motor will overheat. During the no-load running period the motor will cool again to its starting temperature.		
	Lock / to tighten or secure.		Unlock / to loosen.



Note / Remark.

yyWxx

Manufacturing date code; year of manufacturing (20yy) and week of manufacturing (Wxx)



Read the instruction manual.



Caution / Warning.



Wear hearing protection.



Wear eye protection.



Wear a dust mask.



Wear protective gloves when handling drill bits and rough workpieces.



Wear protective, slip-resistant footwear.



Switch the product off and disconnect it from the power supply before assembly, cleaning, adjustments, maintenance, storage and transportation.



Never wear a necktie during operation!



This product shall be operated by one person only!



Always secure the workpiece!



Do not expose the product to rain or wet conditions (moisture).



Wait until all product components have completely stopped before touching them.



This product is classified as protection class I and must be connected to a protective ground during operation.



Open flames in the work area, around the product and in the vicinity of flammable materials are prohibited!



Do not smoke in the work area, around the product and in the vicinity of flammable materials!



WEEE symbol. Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.



The product complies with the applicable European directives and an evaluation method of conformity for these directives was done.



UK Conformity Assessed.

Unpacking



WARNING! The product is heavy, ask another person for assistance if required!

1. Unpack all parts and lay them on a flat, stable surface.
2. Remove all packing materials and shipping devices if applicable.
3. Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage do not use the product but contact your dealer. Using an incomplete or damaged product represents a hazard to people and property.
4. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.



WARNING! The product and the packaging are not children's toys! Children must not play with plastic bags, sheets and small parts! There is a danger of choking and suffocation!

The drill press comes partially assembled for packaging purposes. The following items are included with your drill press (Fig. A).

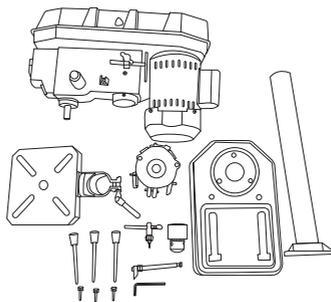


Fig. A

You will need

(items not supplied)

Suitable personal protective equipment
 Suitable crosshead screwdriver
 Suitable vice
 Suitable wrench or hex key
 Mounting sets for drill press assembly
 Suitable drill bits
 Cooling lubricant (for drilling into metal)
 Ball joint separator
 Hammer or rubber mallet
 Small off-cut of scrap wood

(items supplied)

Chuck key (21)
 4mm hex key (22)



NOTE: The accessories required depend on the intended application. Ask your dealer for advice.

Assembly



WARNING! The machine must be fully assembled before operation! Do not use a machine that is only partly assembled or assembled with damaged parts!



Follow the assembly instructions step-by-step and use the pictures provided as a visual guide to easily assemble the machine!
 Do not connect to the power supply before it is completely assembled!



NOTE: Take care of small parts that are removed during assembly or when making adjustments. Keep them secure to avoid loss.

Column / base

1. Place the base (11) on a firm level surface.
2. Align the three mounting holes on the base (11) and support (10), then assemble the column (8) onto the base (11).
3. Secure the connection with the three mounting bolts (11a) using a suitable wrench (not provided) (Fig. 1). Do not overtighten the mounting bolts (11a).

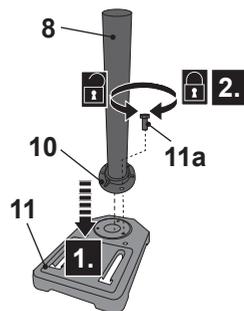


Fig. 1

Drill table

1. Loosen the clamp lever (9a) anticlockwise, if necessary.
2. Slide the clamp (9) of the drill table (13) onto the column (8) (Fig. 2, step 1). Position the drill table (13) to the required height.
3. Align the drill table (13) with the base (11).
4. Hand-tighten the clamping lever (9a) clockwise to secure the drill table (13) in place (Fig. 2, step 2). Do not overtighten.

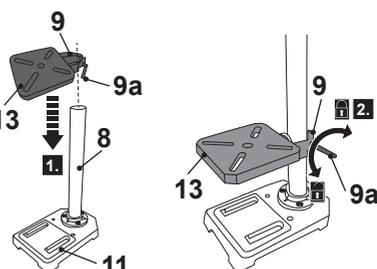


Fig. 2

Machine head

1. Loosen the two locking bolts (6a) anticlockwise using the supplied 4mm hex key (22), but don't remove them (Fig. 3, step 1).
2. Place the machine head (6) onto the column (8) (Fig. 3, step 2).
3. Press the machine head (6) downward onto the column (8) as far as it will go.
4. Align the machine head (6) to the forward facing position with the drill table (13) and the base (11).
5. Tighten the two locking bolts (6a) clockwise with the 4 mm hex key (22) (Fig. 3, step 3). Do not overtighten.

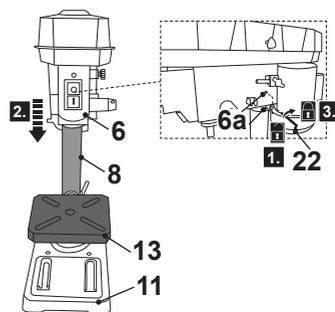


Fig. 3

Feed handles

1. Screw the three feed handles (7) clockwise onto the spindle feed head (16) (Fig. 4).

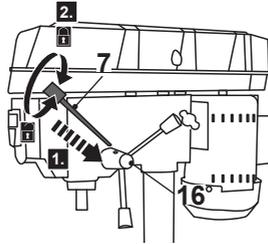


Fig. 4

Chuck guard

The chuck guard (14) is pre-assembled. Ensure that the chuck guard (14) is assembled on the machine head (6) using the clamp (14a) before use.

1. Align and pass the depth scale (20) through the ring hole (6c) of the machine head (6) (Fig. 5, step 1).
2. Loosen the crosshead bolt (14b) of the chuck guard assembly anticlockwise from the thread of the nut (14c) using a suitable screwdriver. Do not remove the nut and bolt.
3. Slide the clamp (14a) onto the spindle neck (6b) (Fig. 5, step 2).

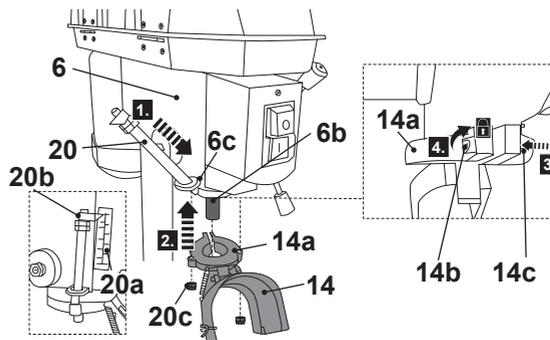


Fig. 5

4. Fold up the chuck guard (14), then attach the nut (20c) to the depth scale (20) from below the clamp (14a).
5. Tighten the depth scale (20) to lock it in position, then fold down the chuck guard (14).
6. Push to lock the nut (14c) into the clamp (14a) (Fig. 5, step 3), then tighten the crosshead bolt (14b) clockwise to secure the clamp (14a) onto the machine head (6) (Fig. 5, step 4).
7. Align the red pointer (20b) to align with the "0" mark on the scale meter (20a) afterwards.

Drill chuck



WARNING! Before assembling the drill chuck (15) to the spindle (6b), clean all mating surfaces with a clean cloth. Any oil or grease must be removed otherwise the chuck may come loose during operation. Do not connect to the power supply before it is completely assembled!

Attaching the drill chuck

1. Fold up the chuck guard (14) (Fig. 6, step 1).
2. Assemble the drill chuck (15) onto the spindle (6d) (Fig. 6, step 2).
3. Place a scrap piece of wood (13) on the drill table.
4. Rotate the feed handles (7) to lower the drill chuck (15) to the lowest position and apply downward pressure to force the drill chuck onto the spindle (6d).
5. Fold down the chuck guard (14) afterwards (Fig. 6, step 3).

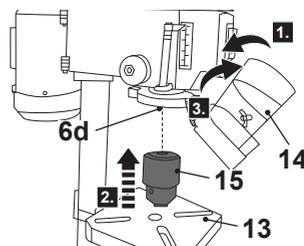


Fig. 6

Removing the drill chuck

1. Rotate the feed handles (7) to lower the drill chuck (15) to its lowest position. The drill table may need to be lowered.
2. Place a ball joint separator (not supplied) above the drill chuck (15) and tap it lightly with a suitable hammer or rubber mallet to cause the drill chuck (15) to drop from the spindle (6d).



NOTE: To avoid possible damage to the drill chuck (15), raise the jaws (15a) all the way first and be prepared to catch the drill chuck (15) as it falls. Never hit the drill chuck (15) with a hammer.

Bench mounting



WARNING! Make sure that the mounting surface is not warped as an uneven surface can cause bending and inaccurate drilling!

There are 2 mounting holes (11b) on the base (11) to facilitate bench mounting.

1. Place the product on a level, horizontal bench or work table and fix the product on it with 2 mounting sets (not provided) (Fig. 7).

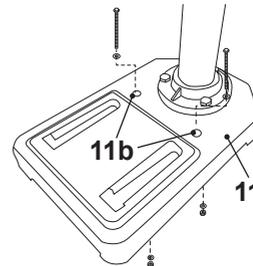


Fig. 7

Connection to power supply

1. Make sure the green On button I (18) is not pressed.



WARNING! Check the voltage! The voltage must comply with the information on the rating label!

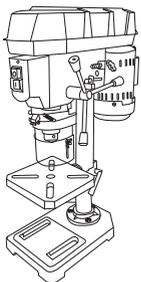
2. Connect the plug (12) with a suitable socket.
3. Your machine is now ready to be used.

Getting started...

In more detail...



Product functions	27
Operation	32
Care and maintenance	34
Troubleshooting	36
Recycling and disposal	38
Guarantee	39
Declaration of conformity	40



Intended use

This drill press TTB924DBT is designated with a rated input of 350 Watts.

This product is intended for drilling holes in wood and similar materials e. g. MDF, plywood etc., plastic and metal.

The product is designed to be mounted onto a bench top or similar surface.

Do not use this product for drilling in stone, concrete and similar materials. The product should not be used on masonry and materials that are harmful to health.

The product is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse.

For safety reasons it is essential to read the entire instruction manual before first operation and to observe all the instructions therein.

This product is intended for private domestic use only, not for any commercial trade use. It must not be used for any purposes other than those described.



WARNING! Always switch the product off, disconnect it from power supply and let the product cool down before making adjustments to the product!



Drill bits

Different drill bits can be used with this product depending on the material being worked with.



WARNING! Always use drill bits according to the intended use! For example, never use a drill bit intended for working on wood for working on metal or vice versa!



Observe the technical requirements of this product (see section Technical specifications) when purchasing and using drill bits! Some drill bits are very sharp and become hot during use! Handle them carefully! Wear protective gloves when handling drill bits in order to avoid injuries like burns and cuts!handling drill bits in order to avoid injuries like burns and cuts!



WARNING! Always make sure that the chuck key (21) is removed from the drill chuck (15) before operating the product.

Drill bits



WARNING! Do not operate the product without the guard positioned correctly.

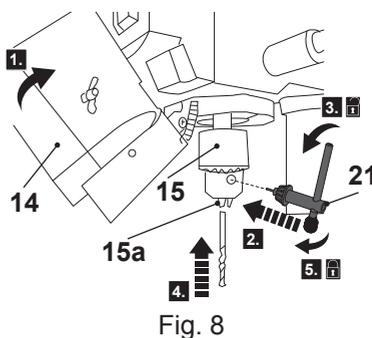


After short operation, switch the product off and check once again that the bit is properly fastened!

CAUTION! The drill bit could be hot!

Inserting

1. Fold up the chuck guard (14) (Fig. 8, step 1).
2. Insert the chuck key (21) into the hole of the drill chuck (15) (Fig. 8, step 2) and turn the chuck key (21) anticlockwise until the chuck jaws (15a) are opened wide enough to insert the drill bit (Fig. 8, step 3).
3. Insert the drill bit in the drill chuck (15) all the way to the stop (Fig. 8, step 4).
4. Turn the chuck key (21) clockwise until the drill bit is properly fastened in the chuck jaws (15a) (Fig. 8, step 5). Ensure the drill bit is centered in the chuck.
5. Fold down the chuck guard (14).



Removing / Replacing

1. Fold up the chuck guard (14).
2. Remove the drill bit and insert a new one as described above, if required.
3. Fold down the chuck guard (14).

Chuck guard

1. Adjust the cover (14d) of the chuck guard (14) depending on the drill bit length and workpiece to be drilled.
2. Hold one hex bolt (14f) using a suitable wrench and loosen the wing nut (14e) but do not remove it (Fig. 9, step 1). Repeat for the other hex bolt (14f) and the wing nut (14e).
3. Adjust the cover (14d) height according to your needs (Fig. 9, step 2).
4. Screw the wing nuts (14e) to hold the cover (14d) in position (Fig. 9, step 3). Do not overtighten to avoid cracks.

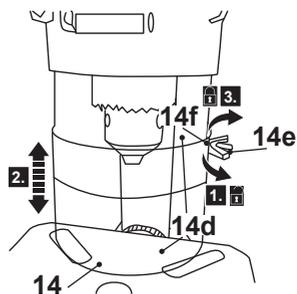


Fig. 9

Drill table

Height adjustment

Adjust the drill table (13) height according to the workpiece and depth to be drilled.

1. Turn the clamping lever (9a) anticlockwise to loosen the clamp (9) (Fig. 10, step 1).
2. Adjust the drill table (13) to the required height (Fig. 10, step 2) and align the drill table (13) with the base (12) and machine head (6).
3. Tighten the clamping lever (9a) clockwise afterwards (Fig. 10, step 3).

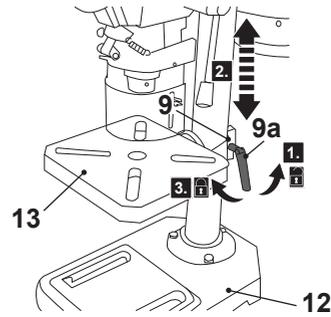


Fig. 10

Angle adjustment

Adjust the drill table (13) angle according to the workpiece and angle to be drilled.

1. Slightly loosen the hex bolt (13c) anticlockwise underneath the drill table (13) with a suitable hex key (Size 10 mm) (Fig. 11, step 1).
2. Tilt the drill table (13) until the pointer line (13a) aligns with the desired angle on the angle scale (13b) (Fig. 11, step 2).
3. Tighten the hex bolt (13c) clockwise afterwards (Fig. 11, step 3).

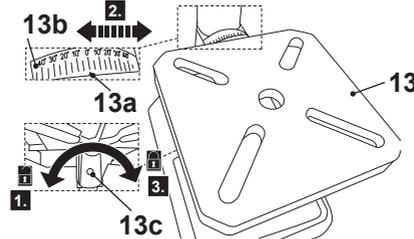


Fig. 11

Depth adjustment

1. Rotate the feed handle (7) to lower the drill bit to the required depth (Fig. 12, step 1), until the red pointer (20b) aligns with the desired value on the scale meter (20a) (Fig. 12, step 2).
2. Return the feed handle (7) back to its initial position afterwards.
3. The two nuts on the depth scale can be used to set a maximum depth on the scale for repeated drilling to exactly the same depth.

Depth adjustment

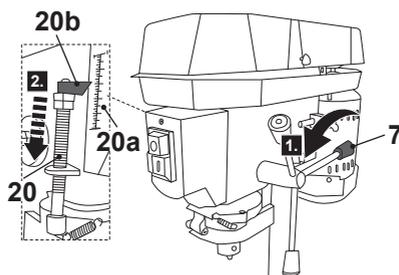


Fig. 12



NOTE: The drill bit will stop at the required depth. Once the lowest set position is reached, do not force down. Ensure the chuck guard does not interfere with the workpiece.

Speed adjustment

1. Unscrew the locking knob (1a) anticlockwise (Fig. 13, step 1) and open the pulley cover (1) (Fig. 13, step 2).
2. Loosen the belt tension lock knob (4) anticlockwise (Fig. 13, step 3). Do not remove it.
3. Pull the motor unit (5) towards the column (8) to loosen the belt (3) (Fig. 13, step 4).
4. Adjust the belt (3) according to the required speed, based on the material to be drilled. Refer to the speed chart for details (Fig. 14).

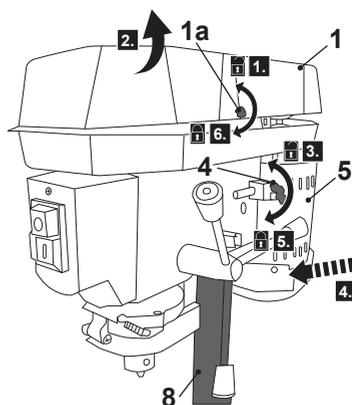
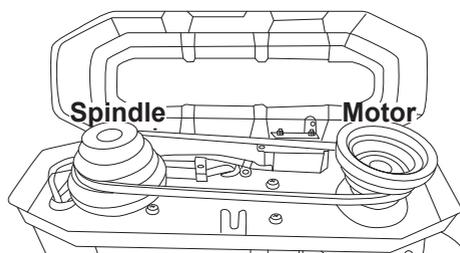


Fig. 13



 Ø (mm):	 Ø (mm):	(U/min)
<3	<4	 2650
3-4	5-6	 1800
5	7-8	 1300
6-8	9-10	 900
>8	>10	 600

Fig. 14



NOTE: Always set the belts in parallel. Do not cross belts. Always test belt tension before operation by pressing the belt sides towards the center. It should move by approximately 10 mm.

5. Push the motor unit (5) away from the column (8) to tension the belt (3) and then tighten the belt tension lock knob (4) clockwise (Fig. 13, step 5).
6. Close the pulley cover (1) and screw the locking knob (1a) to secure the pulley cover (1) in place (Fig. 13, step 6).



NOTE: The machine is equipped with a safety switch inside the pulley cover (1). If the pulley cover (1) is not assembled correctly, the machine cannot be activated.

Vice

Use the vice (not provided) to clamp small workpieces! Never try to work on a small workpiece that is unsecured or only held by hand!

On/off switch



WARNING! Risk of injury!
Before pressing the green On button I (18), ensure that the chuck guard (14) is properly installed and functioning.

In more detail...

On/off switch

This machine can only be operated in continuous mode.

1. Switch the product on by pressing the green ON button I (18) and wait until the drill bit has reached maximum speed (Fig. 15).
2. Switch the product off by pressing the red Off button O (19).

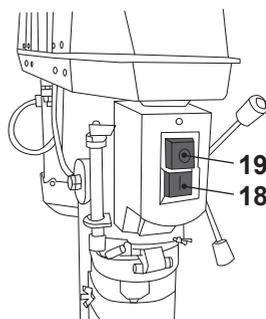


Fig. 15



NOTE: The machine is equipped with a magnetic switch to prevent the machine from starting again after loss of power supply. If the machine stops for that reason, the green ON button I (18) must be pressed again.

General operation

1. Check the machine, as well as accessories for damage before each use. Do not use the product if it is damaged or shows wear.
2. Double check that the accessories and attachments are properly fixed.
3. Always operate the machine by its feed handles. Keep the handles dry to ensure safe support.
4. Ensure that the air vents are always unobstructed and clear. Clean them if necessary with a soft brush. Blocked air vents may lead to overheating and damage the product.
5. Switch the machine off immediately if you are disturbed while working by other people entering the working area. Always let the product come to complete stop before leaving it unattended.
6. Do not overwork yourself. Take regular breaks to ensure you can concentrate on the work and have full control over the product.

Drilling



WARNING! Always clamp the workpiece! Never try to work on a workpiece that is unsecured or only held by hand! Holding the workpiece by hand during operation may result in personal injury. Use the vice (not provided) to clamp workpieces that are too small! Workpieces that are too wide to be clamped securely may not be processed!

1. Small diameter drills require a higher speed. As the drill diameter increases, the slower the speed required.
2. Pre-drill larger holes with a small diameter drill bit first. Doing so makes drilling with a larger diameter drill bit easier.
3. Do not always drill at top speed. This unnecessarily increases the wear and tear of the product and drill bit.
4. Use a scrap piece of wood to reduce tear up on the underside of the wooden workpiece to be drilled into.

Drilling into plastic and metal

1. Punch the drilling point before operation in order to avoid slipping of the drill.
2. Use a metal drill bit for drilling into plastic and metal. Select a low speed and where necessary use a cooling lubricant that is available at your specialist dealer.



WARNING! Never cool with water or water based lubricant to avoid electric shock. Do not use oil when drilling copper and brass. Care should be taken when drilling copper and brass as the drill bit will be prone to jamming.

After use

1. Switch the machine off, wait for complete stop, disconnect it from the power supply and let it cool down.
2. Check, clean and store the machine as described below.

In more detail...

The golden rules for care



WARNING! Always switch the machine off, disconnect the machine from the power supply and let it cool down before performing inspection, maintenance and cleaning work!



1. Keep the machine clean. Remove debris from it after each use and before storage.
2. Regular and proper cleaning will help ensure safe use and prolong the life of the product.
3. Inspect the machine before each use for worn and damaged parts. Do not operate it if you find broken and worn parts.



WARNING! Only perform repairs and maintenance work according to these instructions! All further works must be performed by a qualified specialist!

General Cleaning

1. Clean the machine with a dry cloth. Use a brush for areas that are hard to reach.
2. In particular clean the air vents after every use with a cloth and brush.
3. Remove stubborn dust with high pressure air (max. 3 bar).



NOTE: Do not use chemical, alkaline, abrasive or other aggressive detergents or disinfectants to clean this product as they might be harmful to its surfaces.

4. Check for worn or damaged parts. Replace worn parts as necessary or contact an authorised service centre for repair before using the product again.

Maintenance

Before and after each use, check the machine and accessories (or attachments) for wear and damage. If required, exchange them for new ones as described in this instruction manual. Observe the technical requirements.

Power cord

If the replacement of the supply cord (12) is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.

UK plug

If you need to replace the fitted plug, then follow the instructions below.

IMPORTANT: The wires in the mains lead are coloured in accordance with the following code:

Blue – Neutral

Brown – Live

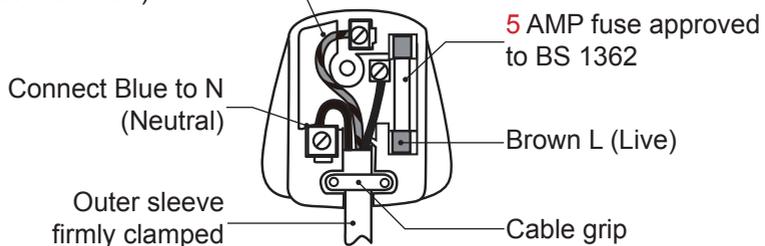
Green/yellow – Earth

As the colours of the wire in the mains lead of this product may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows. The wire, which is coloured blue, must be connected to the terminal, which is marked with N or coloured black. The wire, which is coloured brown, must be connected to the terminal, which is marked L or coloured red. The wire, which is colored green/yellow, must be connected to the terminal, which is mark E or .



WARNING! Never connect live or neutral wires to the earth terminal of the plug, which is marked with E.

Connect green/yellow wire to terminal E (Protective earth) 



Only fit an approved **13 Amp** BS 1363 or BS 1363/A plug and correctly rated **5A** BS 1362 fuse. If in doubt, consult a qualified electrician.



NOTE: If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket.

In more detail...

Repair

This machine does not contain any parts that can be repaired by the consumer. Contact an authorised service centre or a similarly qualified person to have it checked and repaired.

Storage

1. Switch the machine off and disconnect it from the power supply.
2. Clean the machine as described above.
3. Store the chuck key (21) onto the key holder (17).
4. Store the machine and its accessories in a dark, dry, frost-free, well-ventilated place.
5. Always store the machine in a place that is inaccessible to children. The ideal storage temperature is between 10 °C and 30 °C.
6. We recommend using the original package for storage or covering the machine with a suitable cloth or enclosure to protect it against dust.

Transportation

1. Switch the machine off and disconnect it from the power supply.
2. Remove the machine head (6) from the column (8) and ensure both the drill table (13) and base (11) are securely fastened.
3. Attach transportation guards, if applicable.
4. Protect the machine from any heavy impact or strong vibrations which may occur during transportation in vehicles.
5. Secure the machine to prevent it from slipping or falling over, damage and injury.

Troubleshooting

Suspected malfunctions are often due to causes that the users can fix themselves. Therefore check the product using this section. In most cases the problem can be solved quickly.



WARNING! Only perform the steps described within these instructions! All further inspection, maintenance and repair work must be performed by an authorised service centre or a similarly qualified specialist if you cannot solve the problem yourself!

Problem	Possible cause	Solution
1. Product does not start	1.1. Not connected to power supply 1.2. Power cord or plug is defective 1.3. Other electrical defect to the product	1.1. Connect to power supply 1.2. Check by a specialist electrician 1.3. Check by a specialist electrician
2. Product does not reach full power	2.1. Extension cord not suitable for operation with this product 2.2. Power source (e. g. generator) has too low voltage 2.3. Air vents are blocked	2.1. Use a proper extension cord 2.2. Connect to another power source 2.3. Clean the air vents
3. Drill bit binds in workpiece	3.1. Excessive pressure on handles 3.2. Loose drill bit 3.3. Speed too fast	3.1. Apply less pressure 3.2. Tighten the chuck using the chuck key 3.3. Lower the speed
4. Drill bit burns or smokes	4.1. Incorrect speed setting 4.2. Loose pulley 4.3. Drill bit is dull 4.4. Feeding too slow 4.5. No lubricant used	4.1. Adjust the speed setting 4.2. Tighten the pulley 4.3. Sharpen or replace with a new drill bit 4.4. Feed faster 4.5. Use cooling lubricant
5. Unsatisfactory result	5.1. Incorrect drill bit 5.2. Improper speed adjustment	5.1. Replace with a suitable drill bit 5.2. See chapter "Use-> Speed adjustment"
6. Excessive vibration /noise or exhaust	6.1. Incorrect belt tension / Loose belt / Loose pulley 6.2. Loose screws / handles 6.3. Dry spindle	6.1. Adjust the belt tension / pulley 6.2. Tighten screws / handles 6.3. Lubricate the spindle

In more detail...

Recycling and disposal



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist.

Check with your Local Authority or local store for recycling advice.

For further information visit www.recycle-more.co.uk.

The product comes in a package that protects it against damage during shipping. Keep the package until you are sure that all parts have been delivered and the product is working properly. Recycle the package afterwards.

Guarantee

We take special care to select high quality materials and use manufacturing techniques that allow us to create products incorporating design and durability. This product (**TITAN** 350W Drill Press) has a manufacturer's guarantee of 2 years against manufacturing defects, from the date of purchase (if bought in store) or date of delivery (if bought online), at no additional cost for normal (non-professional or commercial) household use.

To make a claim under this guarantee, you must present your proof of purchase (such as a sales receipt, purchase invoice or other evidence admissible under applicable law), please keep your proof of purchase in a safe place. For this guarantee to apply, the product you purchased must be new, it will not apply to second hand or display products. Unless stated otherwise by applicable law, any replacement product issued under this guarantee will only be guaranteed until expiry of the original guarantee period.

This guarantee covers product failures and malfunctions provided the product was used for the purpose for which it is intended and subject to installation, cleaning, care and maintenance in accordance with the information contained in these terms and conditions, in the user manual and standard practice, provided that standard practice does not conflict with the user manual.

This guarantee does not cover defects and damage caused by normal wear and tear or damage that could be the result of improper use, faulty installation or assembly, neglect, accident, misuse, or modification of the product. Unless stated otherwise by applicable law, this guarantee will not cover, in any case, ancillary costs (shipping, movement, costs of uninstalling and reinstalling, labour etc), or direct and indirect damage.

This guarantee does not cover defects and damage caused by or resulting from:

- Normal wear and tear
- Overload, misuse or neglect
- Repairs attempted by anyone other than an authorised agent
- Cosmetic damage
- Damage caused by foreign objects, substances or accidents
- Accidental damage or modification
- Failure to follow manufacturer's guidelines
- Loss of use of the goods

If the product is defective, we will, within a reasonable time, repair or replace it. Rights under this guarantee are enforceable in the country in which you purchased this product. Guarantee related queries should be addressed to the store you purchased this product from.

The guarantee is in addition to and does not affect your statutory rights.

In more detail...



(EN) EU DECLARATION OF CONFORMITY
 (FR) DÉCLARATION UE DE CONFORMITÉ
 (PL) DEKLARACJA ZGODNOŚCI UE
 (RO) DECLARAȚIA DE CONFORMITATE UE
 (ES) DECLARACIÓN UE DE CONFORMIDAD
 (PT) DECLARAÇÃO DE CONFORMIDADE UE

Product/ Produit/ Produkt/Produsul/Producto/Produto

- 350W Drill Press /Perceuse à colonne 350W/Wiertarka stołowa 350W/Mașină de găurit cu coloană, 350 W/ Taladro de columna de 350 W/Berbequim de coluna de 350 W
- TTB924DBT
- Serial number: from 000001 to 999999

Name and address of the manufacturer or his authorised representative:

Nom et adresse du fabricant ou de son mandataire:

Nazwa i adres producenta lub jego upoważnionego przedstawiciela:

Denumirea și adresa producătorului sau a reprezentantului său autorizat:

Nombre y dirección del fabricante o de su representante autorizado:

Nome e endereço do fabricante ou do respetivo mandatário:

Kingfisher International Products B.V.,
 Rapenburgerstraat 175E,
 1011 VM Amsterdam,
 The Netherlands

This declaration of conformity is issued under the sole responsibility of the manufacturer.

La présente déclaration de conformité est établie sous la seule responsabilité du fabricant.

Niniejsza deklaracja zgodności wydana zostaje na wyłączną odpowiedzialność producenta.

Prezenta declarație de conformitate este emisă pe răspunderea exclusivă a producătorului.

La presente declaración de conformidad se expide bajo la exclusiva responsabilidad del fabricante.

A presente declaração de conformidade é emitida sob a exclusiva responsabilidade do fabricante.

Object of the declaration/Objet de la declaration/Przedmiot deklaracji/Obiectul declarației/Objeto de la declaración/ Objeto da declaração

Product/Produit/Produkt/Produsul/
 Producto/ Produto

Model/Modèle/Model/Modelul/
 Modelo/ Modelo

EAN

- 350W Drill Press
- Perceuse à colonne 350W
- Wiertarka stołowa 350W
- Mașină de găurit cu coloană, 350 W
- Taladro de columna de 350 W
- Berbequim de coluna de 350 W

TTB924DBT

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The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

L'objet de la déclaration décrit ci-dessus est conforme à la législation d'harmonisation de l'Union applicable:

Wymieniony powyżej przedmiot niniejszej deklaracji jest zgodny z odpowiednimi wymaganiami unijnego prawodawstwa harmonizacyjnego:

Obiectul declarației descris mai sus este în conformitate cu legislația relevantă de armonizare a Uniunii:

El objeto de la declaración descrita anteriormente es conforme con la legislación de armonización pertinente de la Unión:

O objeto da declaração acima descrito está em conformidade com a legislação de harmonização da União aplicável:

2006/42/EC as amended	Machinery Directive
2014/30/EU as amended	Directive Electromagnetic compatibility
2011/65/EU as amended	Directive Restriction of the use of certain hazardous substances in electrical and electronic equipment
Directive 2006/42/CE relative aux machines	
2014/30 / UE telle que modifiée Directive Compatibilit�� ��lectromagn��tique	
Directive 2011/65/UE relative �� la limitation de l'utilisation de certaines substances dangereuses dans les ��quipements ��lectriques et ��lectroniques	
2006/42/WE w zmienionej dyrektywie maszynowej	
2014/30 / UE ze zmianami Dyrektywa Kompatybilno�� elektromagnetyczna	
2011/65 / UE ze zmianami Dyrektywa Ograniczenie stosowania niekt��rych niebezpiecznych substancji w sprz��cie elektrycznym i elektronicznym	
2006/42/CE, astfel a fost modificat�� Directiva privind echipamentele	
2014/30/UE, astfel a fost modificat�� Directiva privind compatibilitatea electromagnetică	
2011/65/UE, astfel a fost modificat�� Directiva privind limitarea utilizării anumitor substan��e periculoase ��n echipamentele electrice �� electronice	
Directiva sobre maquinaria modificada 2006/42/CE	
2014/30/UE modificada Directiva Compatibilitad electromagn��tica	
2011/65/UE modificada Directiva Restricci��n del uso de determinadas sustancias peligrosas en equipos el��ctricos y electr��nicos	
2006/42/CE como diretiva de m��quinas alteradas	
2014/30/UE como altera��o da compatibilidade eletromagn��tica	
2011/65/UE como restri��o diretiva alterada da utiliza��o de certas subst��ncias perigosas em equipamentos el��ctricos e eletr��nicos	
References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:	
R��f��rences des normes harmonis��es pertinentes appliqu��es, y compris la date de celles-ci, ou des autres specifications techniques, y compris la date de celles-ci, par rapport auxquelles la conformit�� est d��clar��e:	
Odwołania do odnośnych norm zharmonizowanych, kt��re zastosowano, wraz z dat�� normy, lub do innych specyfikacji technicznych, wraz z dat�� specyfikacji, w odniesieniu do kt��rych deklarowana jest zgodno��:	
Trimiteri la standardele armonizate relevante folosite, inclusiv data standardului, sau trimiteri la celelalte specifica��i tehnice, inclusiv data specifica��iilor, ��n leg��tur�� cu care se declar�� conformitatea:	
Referencias a las normas armonizadas pertinentes utilizadas, incluidas las fechas de las normas, o referencias a las otras especificaciones t��cnicas, incluidas las fechas de las especificaciones, respecto a las cuales se declara la conformidad:	
Refer��ncias ��s normas harmonizadas aplic��veis utilizadas, incluindo a data da norma, ou ��s outras especifica��o��es t��cnicas, incluindo a data da especifica��o, em rela��o ��s quais �� declarada a conformidade:	
EN 62841-3-13:2017	
EN 62841-1:2015	
EN 55014-1:2017/A11:2020	
EN 55014-2:2015	
EN 61000-3-2:2014	
EN IEC 61000-3-2:2019	
EN 61000-3-3:2013	
EN 61000-3-3:2013/A1:2019	

In more detail...

Authorised signatory and technical file holder/signataire et responsable de la documentation technique autorisé/
podmiot uprawniony do wystawienia i adres przechowywania dokumentacji technicznej/semnatar autorizat și
deținător al dosarului tehnic/firmante autorizado y titular del expediente técnico/ signatário autorizado e detentor
da ficha técnica

Kingfisher International Products B.V.,
Rapenburgerstraat 175E,
1011 VM Amsterdam,
The Netherlands



David Awe
Group Quality Director

On : [20-04-2022]

In more detail...



In more detail...



TITAN

Manufacturer, Fabricant, Producent, Producător, Fabricante:

UK Manufacturer:

Kingfisher International Products Limited
3 Sheldon Square, London, W2 6PX
United Kingdom
www.kingfisher.com/products

EU Manufacturer:

Kingfisher International Products B.V.
Rapenburgerstraat 175E
1011 VM Amsterdam
The Netherlands
www.kingfisher.com/products

- | | | |
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| EN | www.diy.com
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www.screwfix.ie | To view instruction manuals online, visit
www.kingfisher.com/products |
| FR | www.castorama.fr
www.bricodepot.fr | Pour consulter les manuels d'instructions en ligne,
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visite www.kingfisher.com/products |
| PT | www.bricodepot.pt | Para consultar manuais de instruções online, visite
www.kingfisher.com/products |
| RO | www.bricodepot.ro | Pentru a consulta manualele de instrucțiuni online, vizitați
www.kingfisher.com/products |
| TR | www.koctas.com.tr | Kullanım kılavuzuna internet üzerinden ulaşmak için
www.kingfisher.com/products adresini ziyaret edin |