scheppach DP16SL Drill Press Instruction Manual

Contents

1 scheppach DP16SL Drill Press
2 Introduction
2.1 Device description
2.2 Scope of delivery
2.3 Intended use
3 Safety information
3.1 Special safety instructions
3.2 Residual risks
3.3 Technical data
4 Assembly
5 Adjustment
5.1 Using your drill press
6 Maintenance and cleaning
6.1 Electrical connection
7 Storage/Transport
8 Disposal and recycling
9 Troubleshooting
10 Warranty
11 Documents / Resources
11.1 References
12 Related Posts

scheppach DP16SL Drill Press

CAUTION!: Read the manual carefully before operating this machine!

Explanation of the symbols on the equipment

- ⚠**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 of inquiry
- Wear safety goggles!
- Wear ear-muffs!
- Wear a breathing mask!
- Do not wear long hair uncovered. Use a hair net.
- Do not wear gloves.

Introduction

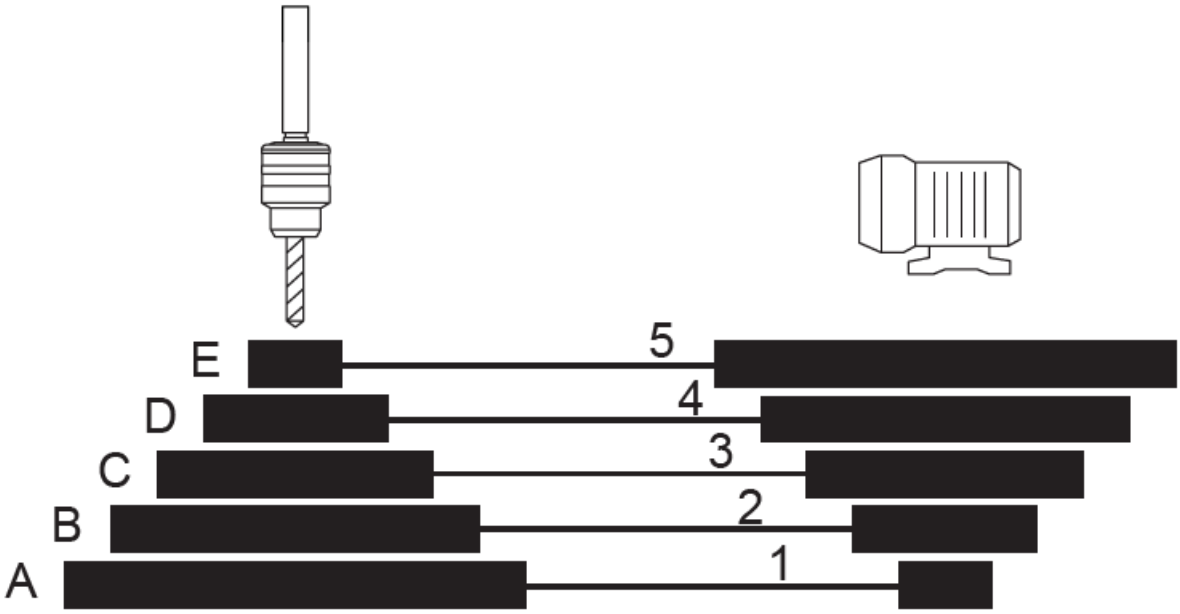
Manufacturer:
scheppach
Fabrikation von Holzbearbeitungsmaschinen GmbH
Günzburger Straße 69
D-89335 Ichenhausen

Dear customer,
We hope you have a lot of fun and success using your new machine.

Note: According to the applicable product liability laws, the manufacturer of the device does not assume liability for damages to the product or damages caused by the product that occurs due to:

- improper handling,
- noncompliance of the operating instructions,
- repairs by third parties, not by authorized service technicians,
- installation and replacement of non-original spare parts,
- non-intended use,
- A breakdown of the electrical system that occurs due to the non-compliance of the electric regulations and VDE regulations 0100, DIN 57113 / VDE0113.

We recommend:
Read through the complete text in the operating in-structions before installing and commissioning the device. The operating instructions are intended to help the user to become familiar with the machine and take advantage of its application possibilities in accordance with the recommendations. The operating instructions contain important information on how to operate the machine safely, professionally and eco-nomically, how to avoid danger, costly repairs, reduce downtimes and how to increase reliability and service life of the machine.
In addition to the safety regulations in the operating instructions, you have to meet the applicable regula-tions that apply for the operation of the machine in your country. Keep the operating instructions package with the machine at all times and store it in a plastic cover to protect it from dirt and moisture. Read the instruction manual each time before operating the ma-chine and carefully follow its information. The machine can only be operated by persons who were instructed concerning the operation of the machine and who are informed about the associated dangers. The minimum age requirement must be complied with. In addition to the safety requirements in these operating instructions and your country’s applicable regulations, you should observe the generally recognized technical rules con-cerning the operation of woodworking machines. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety instructions.

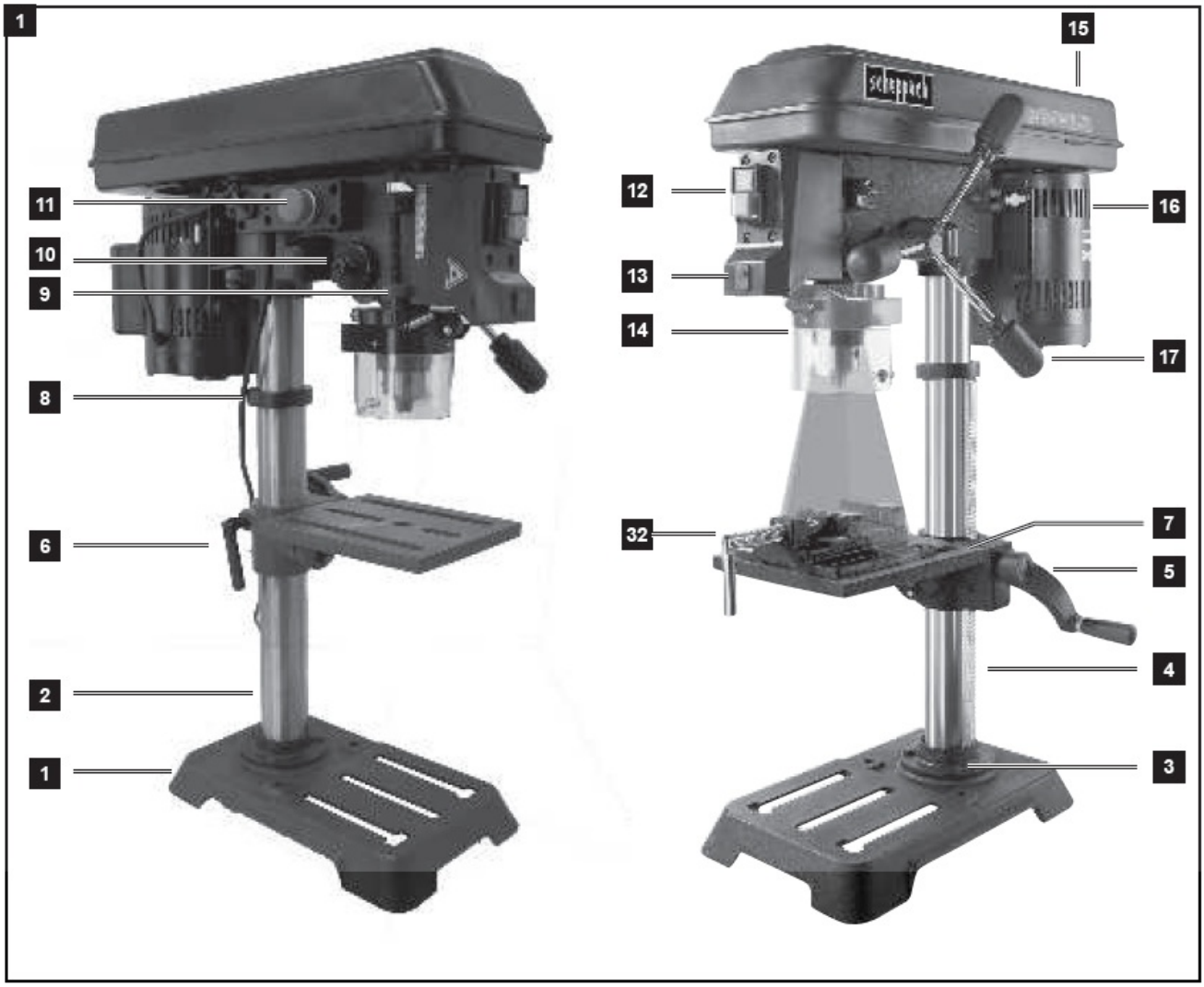


510 1/min	A	1
800 1/min	B	2
1300 1/min	C	3
1800 1/min	D	4
2430 1/min	E	5

Device description

1. Base plate
2. Pillar
3. Fixing screw
4. Toothed rack pillar
5. crank handle for drilling table
6. clamping handle (height adjustment)
7. Drilling table
8. Ring
9. Depth stop
10. Adjusting the spindle retaining spring
11. Emergency stop
12. On-Off switch
13. On-Off switch Laser
14. Drill chuck protection
15. Hood belt guard
16. Motor
17. Grips
18. Crank holder
19. Drilling chuck
20. Grub screw (Ring)
21. Grub screw (Machine head)

22. Phillips screw (Drill chuck protection)
23. Lock nut (angular play)
24. Adjusting screw (angular play)
25. Inclination display
26. Hexagon screw (90° fixation)
27. clamping nut (Angle adjustment)
28. Phillips screw (Hood belt guard)
29. Wing screws (belt tension)
30. Knurled nut (Depth stop)
31. Lower stop
32. Bench vise



- A Drill chuck
- B Allen key SW3
- C Allen key SW4

Scope of delivery

- Open the packaging and remove the device care-fully.
- Remove the packaging material as well as the pack-aging and transport bracing (if available).
- Check that the delivery is complete.
- Check the device and accessory parts for transport damage.
- If possible, store the packaging until the warranty period has expired.

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!

Intended use

This pillar drill is designed for drilling metal, plastic, wood and similar materials. It is intended for use in the private sector only.
Food and harmful materials may not be processed with the equipment. The drill chuck is only designed for use with drill bits and tools with a shaft diameter of 1.5 to 16 mm, and for cylindrical tool shanks. The equipment is intended for use by adults only.
The equipment is allowed to be used only for its pre-scribed 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 de-signed 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.

Safety information

Caution!
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.

1. **Keep work area clean**
    - Cluttered areas and benches invite injuries.
2. **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.
3. **Guard against electric shock**
    - Prevent body contact with grounded surfaces (e.g. pipes, radiators, ranges refrigerators).
4. **Keep children away**
    - Do not allow other persons to touch the equipment or cable, keep them away from your work area.
5. **Store idle tools**
    - When not is use, tools should be stored in dry, high, or locked-up place, out of the reach of children.
6. **Don’t force tool**
    - It will do the job better and safer at the rate for which it was intended.
7. **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.
8. **Dress properly**
    - Do not wear loose clothing or jeweler. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
9. **Use safety glasses**
    - Also use face or dust mask if cutting operation is dusty.
10. **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.
11. **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.
12. **Don’t overreach**
    - Keep proper footing and balance at all times.
13. **Maintain tools with care**
    - Keep tools 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.
14. **Disconnect tools**
    - When not in use, before servicing, and when changing accessories.
15. **Remove adjusting keys and wrenches**

- Form the habit of checking to see that keys and adjusting wrenches are removed from tool be-fore turning it on.

16. **Avoid unintentional starting**
    - Don’t carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.
17. **Outdoor use extension cords**
    - When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
18. **Stay alert**
    - Watch what you are doing. Use common sense. Do not operate tool when you are tired.
19. **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 per-form its intended function. Check for alignment of moving parts, binding of moving parts, break-age 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
20. **Warning!**
    - The use of any other accessory or attachment other than recommended it this operating instruction or the catalog may present a risk of personal injury.
21. **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 other-wise it may cause considerable danger for the user.

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.

General safety regulations and 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 out-let 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.

Special safety instructions

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

2. **Ensure proper voltage**

   The voltage must comply with the specifications on the rating plate.
3. Use a socket-outlet with earthing contact

   The device may only be operated from an outlet with the properly installed earthing contact.
4. **Extension cable**

   The cord cross section of an extension cable must measure at least 1.5 mm2. Always completely un-wind a cable reel prior to use. Check the cable for defects.
5. **Protection against electrical shock**

   Keep the device away from moisture. The device must neither be damp nor be operated in a humid environment. Prior to every use, check the device and the mains cable with plug for damage. Avoid bodily contact with earthed parts e.g. pipes, hot elements, etc.
6. **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.
7. **Handle the device with care**

   Do not use the cable to pull the plug out of the socket. Protect the cable from heat, oil and sharp edges. Keep your tools sharp and clean so that you can work efficiently and safely. Follow the maintenance regulations and the instructions for changing tools.
8. **Wear suitable work clothes and personal protection equipment**

   Loose clothing is not suitable, as it can be caught by moving parts, causing you to become entangled. Wear a hair net if you have long hair. As a general rule, jewelry should not be worn when working with machine tools. Ensure that you wear safety goggles. Not doing so could result in eye injury.
9. **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 trip-ping hazard! Ensure that there is sufficient lighting.
10. **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 de-vice or the power cable.
11. **Store the tools in a safe location**

    Store unused devices in a dry, locked location that is out of the reach of children.
12. **Avoid overloading the device**

    Operate the device only within the specified out-put 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.
13. **Maintain a steady foothold**

    Ensure that you maintain a steady foothold while working. Avoid abnormal body positions and al-ways keep your balance.
14. **Pull out the mains plug**

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

    Ensure that the mains connection is protected by at least a 10 A-rated fuse.
16. **Avoid unintentional start-up**

    Ensure that switch is turned off when plugging the plug into the socket.
17. **Keep an eye on your work**

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

18. **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.
19. **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.
    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.
20. **Warning!** Using any plug-in tools and accessories other than those specified in these operating instructions can lead to injury.

Attention: Laser radiation Do not stare into the beam Class 2 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 sur-faces 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.
- Never open the laser module. Unexpected expo-sure to the beam can occur.
- If the drill press 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 authorized representative.

Residual risks

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 cloths.
  Wood chips and saw dust can be health hazard. Be sure to wear personal protective gear such as safe-ty goggles and a dust mask. Use a vacuum exhaust system.
- Thrown work pieces can lead to injury if the work piece is not properly secured or 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 minimized by following the instructions in „safety precautions“, „proper use“ and in the entire operating manual.

Keep this safety information in a safe place.

Technical data

- Dimensions L x B x H mm 235x482x732
- Chuck size mm 16
- Spindle cone seat B16
- Drilling chuck cone seat B16
- Drilling chuck clamping range mm 3 – 16
- Spindle rise and fall range mm 50
- Chuck to worktable mm 305
- Spindle base working range mm 405
- ø Column mm 48
- Weight kg 23
- Drive
- Rated voltage V/Hz 230/50
- Power rating 550 W S2 10 min
- Speeds 1/min 510 / 800 / 1300 / 1800 / 2450

Subject to technical modifications!

Load factor:
A load factor of S2 10 min (intermittent periodic duty) means that you may operate the motor continuously at its nominal power level (550 W) for no longer than 10 minutes ON period. If you fail to observe this time limit the motor will overheat. During the OFF period the motor will cool again to its starting temperature.

Noise
Sound values were measured in accordance with EN 61029.

- Sound pressure level LpA ……..57 dB(A)
- Uncertainty KpA …….3 dB
- Sound power level LWA……..70,5 dB(A)
- Uncertainty KWA ……3 dB

Limit the noise to a minimum!

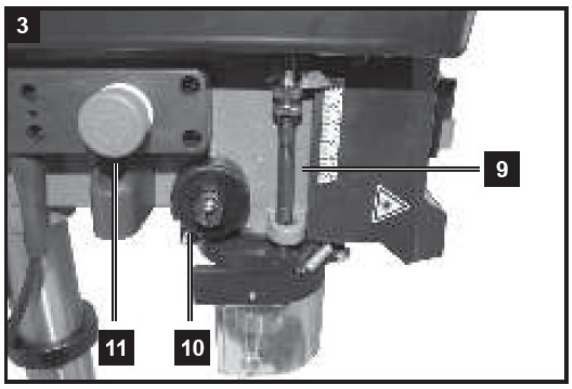
- Only use appliances which are in perfect working order.
- Service and clean the appliance regularly.
- Adapt your working style to suit the appliance.
- Do not overload the appliance.
- Have the appliance serviced whenever necessary.
- Switch the appliance off when it is not in use.

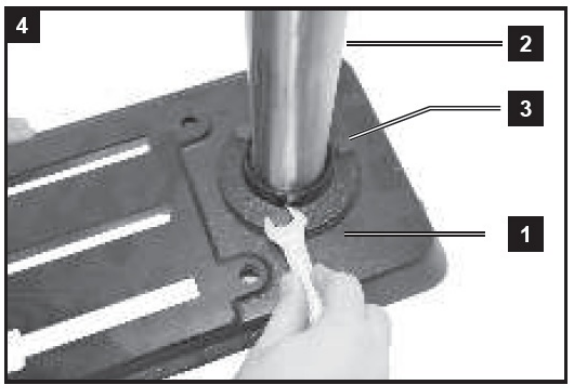
Assembly

WARNING:
For your own safety never connect plug to power source outlet until all assembly steps are completed and you have read and understood the safety and operational instructions

Column to base (Fig. 4)

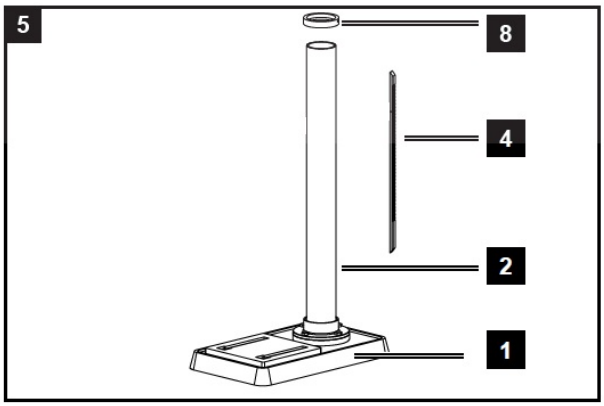
1. Position base (1) on floor or bench.
2. Place column assembly (2) on base and align holes in column support with holes in base.
3. To attach and fasten the pillar unit, screw the 3 screws (3) into the base plate (1) and tighten them with a wrench SW13.

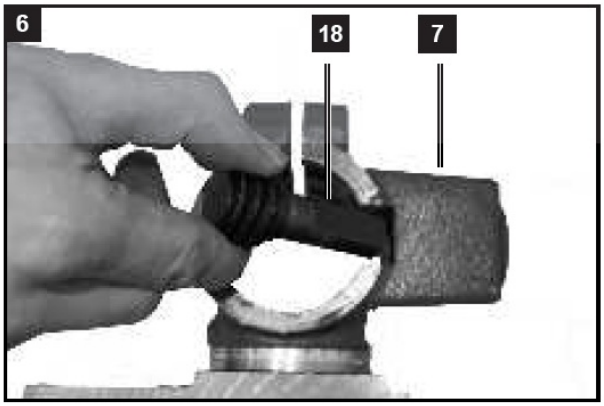




Remove the rack (Fig. 5)
To be able to mount your drill, you must first remove the rack (4).

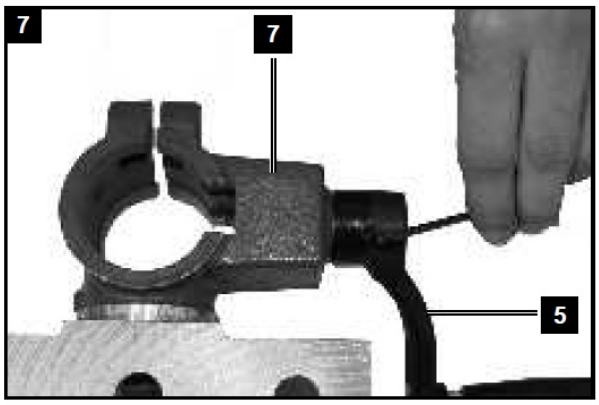
1. Remove the ring (8) using an Allen wrench (SW3) and pull it from the pillar (2).
2. Now pull out the rack (4).

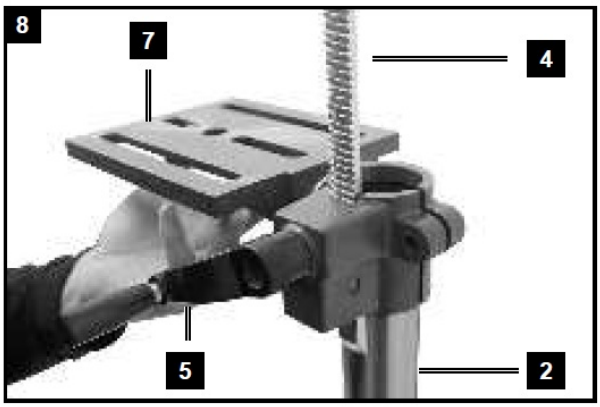




Pre-installing the drilling table holder, (Fig.6+7)

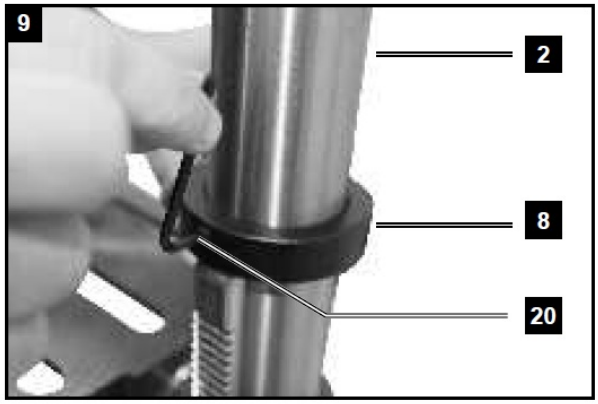
1. Push the crank holder (18) through the hole in the drilling table holder (7) from the inside.
2. Put the crank handle (5) on the crank holder and use the Allen key (B) to secure the crank handle (5).

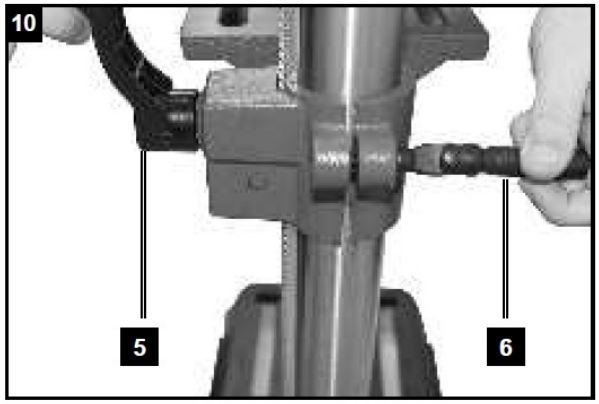




Assembly holder drilling table (Fig. 8-11)

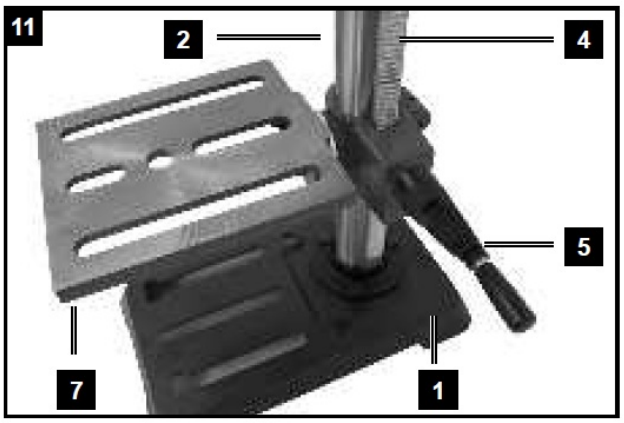
1. Insert the toothed rack (4) into the groove of the holder drilling table (7).
2. Align the toothed rack (4) centered to the drill table (7).
3. When merging the toothed rack (4) give attention of correct tooting from holder drilling table (7) and toothed rack (4) within the groove.
4. Now place the drill table (7) with the toothed rack
   (4) onto the pillar (2) and run the toothed rack (4) in the lower rack guide on base plate.
5. Secure the toothed rack (4) by means of the ring (8). Note here that the toothed rack guide shows down on the ring (8). Fix the ring (8) by tightening the grub screw (20) integrated.
6. Screw the clamping handle (6) into the drilling table holder (7).3

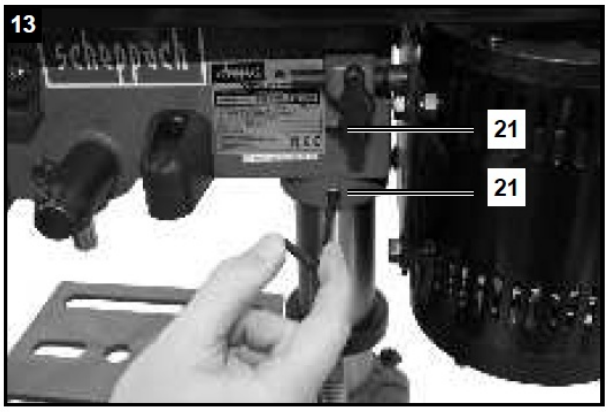


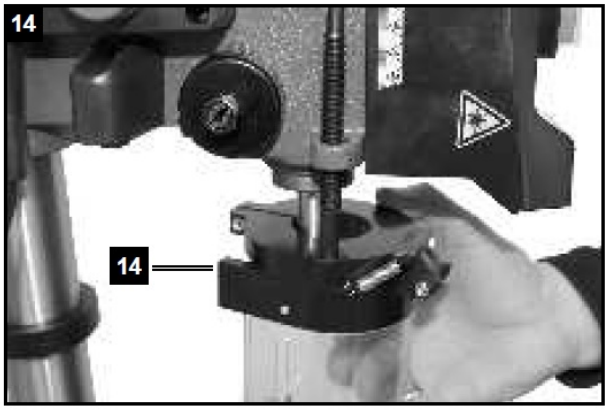


Machine head and pillar (Fig. 12+13)

1. Place the machine head onto the pillar (2).
2. Put the spindle of the drilling machine with the table and the base plate in the cover and fasten the 2 Allen screws (21).





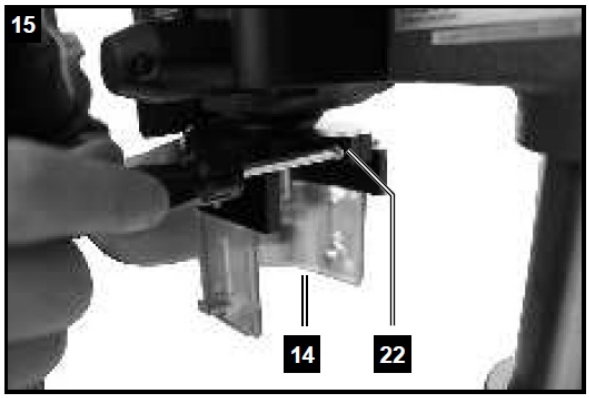


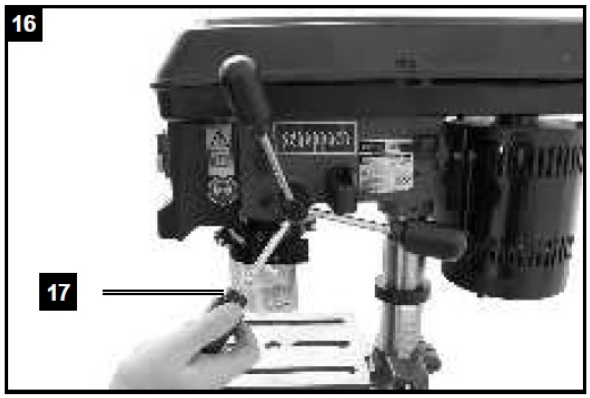
Assembly drill chuck protection (Fig. 14+15)

1. Put the drill chuck protection (14) on the spindle tube and tighten the Phillips screw (22).

Feed handles to the shaft hub (Fig. 16)

1. Screw the feed handles (17) tightly into the threaded holes in the hub.



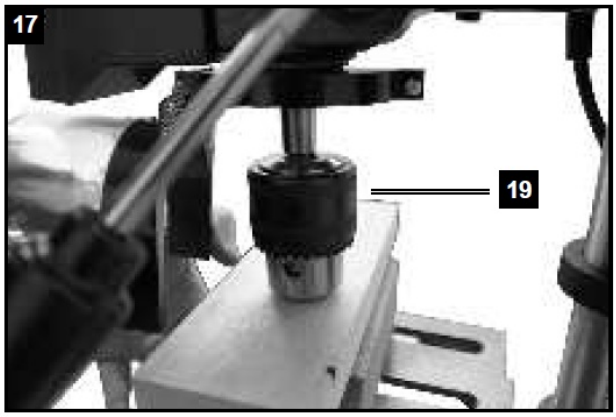


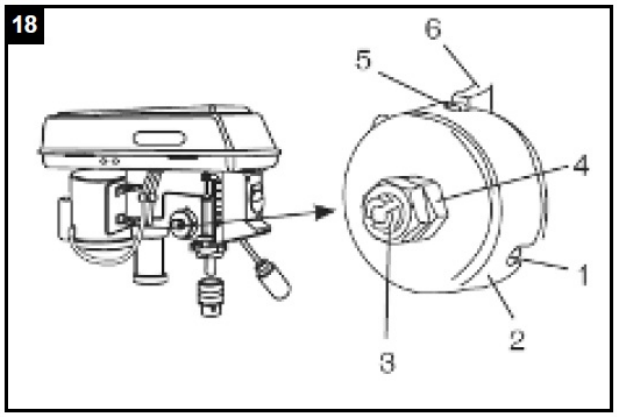
Installing the chuck (Fig. 17)

1. Clean the conical hole in the chuck (19) and the spindle cone with a clean piece of fabric. Make sure there are no foreign particles sticking to the surfaces. The slightest piece of dirt on any of these surfaces will prevent the chuck from seating properly. This will cause the drill bit to wobble“. If tapered hole in the chuck is extremely dirty, use a cleaning solvent on the clean cloth.
2. Push the drilling chuck onto the spindle nose as far as possible.
3. Turn the chuck sleeve anti-clockwise (when viewed from above) and open the jaws of the drilling chuck.

4. Place a piece of wood on the table and lower the spindle onto the piece of wood. Press tightly so the chuck fits precisely.

Fastening radial drill press to supporting surface Tighten the drill on a work bench with the holes of the base plate to prevent tipping of the machine.
For your own safety, it is highly recommended to in-stall the machine on a bench or similar.





Adjustment

WARNING: All the necessary adjustments for the good working of your drill press have been done at the factory .Please do not modify them.
However, because of a normal wear and tear of your tool, some readjustments might be necessary .

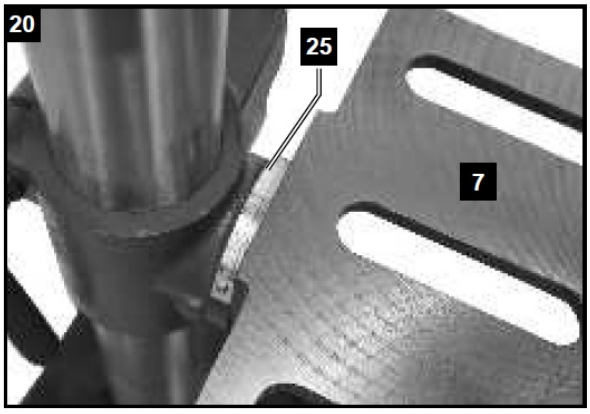
WARNING:
Always pull the plug from the socket when carrying out adjustment work.

Adjusting the spindle retaining spring (Fig. 18)
It may be necessary for the spindle retaining spring to be adjusted because of changed tension, making the spindle return too quickly or too slowly.

1. To provide more space, lower the table.
2. Work on the left side of the drill.
3. Put a screwdriver in the front lower notch (1), keeping it in place.
4. Remove the outer locknut (3) with a flat spanner (SW14).
5. Leaving the screwdriver in the notch, loosen the inner locknut (4) until the cut-out is released from the boss (6). WARNING: Spring is under tension!
6. Using the screwdriver, carefully turn the spring cap (2) anti-clockwise until you can press the notch (1) into the boss (6).
7. Lower the spindle to the lowest position and hold the spring cap (2) in place. When the spindle moves up and down as desired, retighten the inner locknut (4).
8. If it is too loose, repeat steps 3-5. If it is too tight, repeat step 6 in reverse order.
9. Using a flat spanner, tighten the outer locknut (3) against the inner locknut (4).
10. **NOTE:** Do not over-tighten and do not restrict the movement of the spindle!

The angular play of the spindle (Fig. 19)
With the spindle in a low position, take it in your hand and try to make it revolving about its axis. If there is too much play, proceed as follows:

1. Loosen lock nut (23).
2. Turn the screw (24) clockwise to eliminate the play but without obstructing the upward and downward motion of the spindle (a little bit of play is normal).
3. Tighten the lock nut (23).



Using your drill press

WARNING: If you are not familiar with this kind of machine, take advice from an experimented person. In any case you should have read and understood the safety and operational instruction before attempting to operate this product.

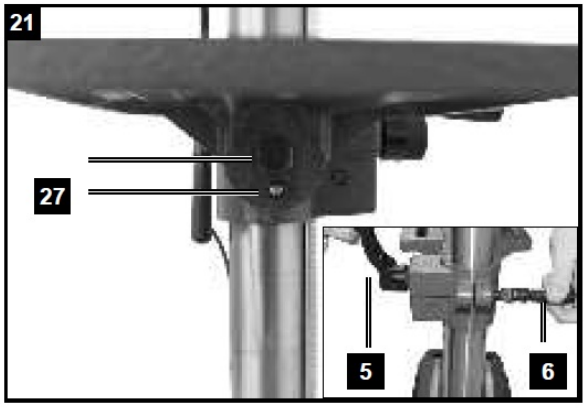
Pivoting the table (Fig.20+21)
Tip: The inclination display (25) only serves as orientation for a rough angular adjustment. For precision work suitable goniometers must be used.

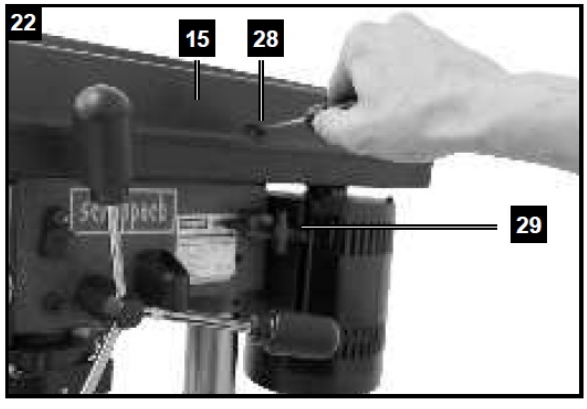
- In order to place the drilling table (23) in the tilted position, loosen the hex-nut (24) which serves for 90° fixation with a flat spanner (SW19), remove the clamping nut (27) and set the desired table angle. Retighten the clamping-nut (27).

Adjusting table height (Fig. 21)

1. Loosen the clamping handles (6).
2. Adjust the table (7) to the desired height. Use the adjustment handle for height adjustment (5).
3. Re-tighten the table locking (6)

   Note: it is better to lock the table to the column in a position so that the tip of the drill bit is just slightly above the top of the workpiece

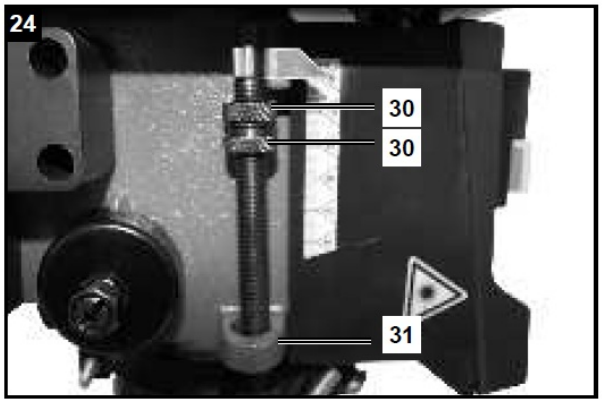




Choosing speed and tensioning belt Fig. (22+23)

Attention! Before opening the hood belt guard always switch off the power plug. Wait before maintenance / adjustment operations always full stop of the machine (risk of injury)! Never run the drill with open V-belt covering. Never touch in the running V-belt.
Tip: Safety switch
If you want to adjust speed you have to open the pulley cover. The device switches off immediately to avoid the risk of injuries.

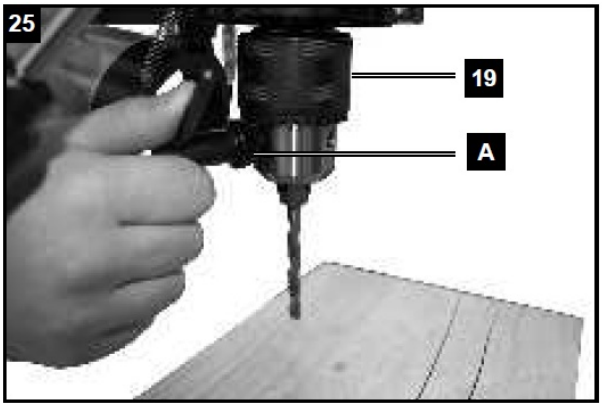
1. You can set different spindle speeds on your pillar drilling machine:
2. Once you have turned off the machine, you can open the cover (15) by loosening the screw (28). You will find all adjustment options for the spindle speed on the cover (15) of the machine.
3. Relieve the drive belt pressure on the right side of the machine head by loosening the wing screw (23). Pull the right side of the motor towards the spindle slightly to relieve fan belt pressure.
4. Place the fan belt around the relevant pulleys.
5. Push the right side of the motor back to tighten the fan belt.
6. Retighten the wing screw (29). The fan belt should have about 13 mm play when it is squeezed in the middle.
7. Close the cover.
8. If the fan belt slips during operation, adjust the belt tension.



Depth stop (Fig. 24)
NOTE: When the clamping device is in the upper position, the tip of the drill has to be slightly above the top of the work piece.
The depth stop enables control of the drilling depth. To do this, set the desired drilling depth and secure it using the knurled nuts (30) against the lower stop (31).

Installing drill bits (Fig. 25)

1. Insert drill bit into chuck far enough to obtain maximum gripping of chuck jaws. (When using a small drill bit do not insert it so far that the jaws touch the flutes -spiral groves of the drill bit.)
2. Make sure that the drill bit is centered in the chuck before tightening the chuck with the chuck key. optional.
3. Tighten the chuck with the key so that the drill bit can-not slip during the work.



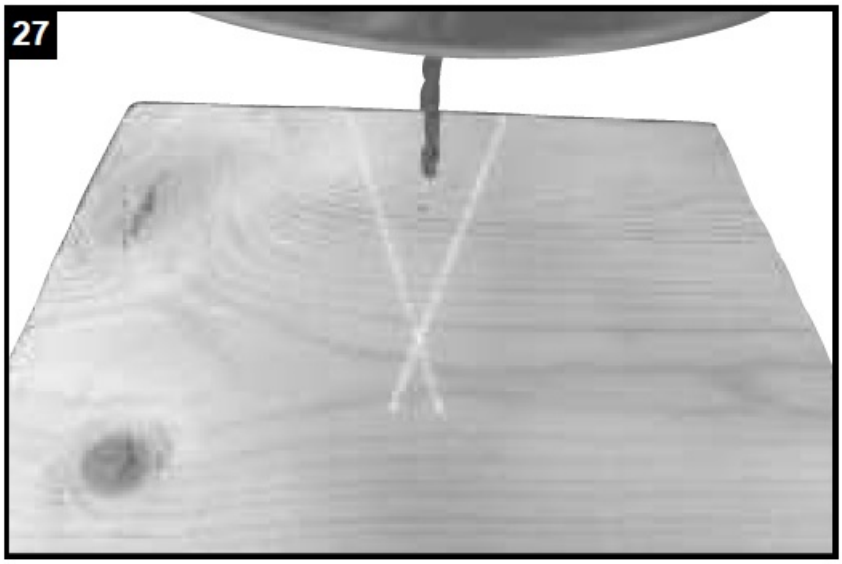
Removing the chuck.
Open jaws of chuck as wide as they go by turning chuck sleeve anticlockwise (when viewed from above). Carefully tap chuck with mallet in one hand while holding chuck in other hand to prevent dropping it when released from spindle nose.

Positioning table and workpiece (Fig. 26)
Always place a piece of back up material (‘wood) on the table underneath the workpiece. This will prevent splintering or making a heavy burr on the underside of the workpieces as the drill bit breaks through. To keep the back up material from spinning out of control it must contact the left side of the column (2) as illustrated.

Warning:
To prevent the work piece or the backup material from being torn from your hand while drilling, position them to the left side of the column. If the work piece or the backup material are not long enough to reach the column, clamp them to the table. Failure to do this could result in personal injury.
Note: for small pieces that cannot be clamped to the table, use a drill press vise (accessory).
The vice must be clamp or bolt to the table to avoid injury from spinning work and vise or tool breakage.

Drilling a hole
Make a dent in the workpiece where you want the hole, using a center punch or a sharp nail. Before turning the switch on, bring the drill down to the workpiece lining it up with the hole location. Turn the switch on and pull down on the feed handles with only enough effort to allow the drill to cut.
Feeding Too Slowly might cause the drill bit to burn. Feeding Too Rapidly might stop the motor, cause the better or drill to slip, tear the workpiece loose, or break the drill bit.
When drilling metal, it may be necessary to lubricate the tip of the drill with motor oil to prevent burning the drill bit.

Working with the laser (Fig. 27)
To turn on the laser press switch (13)
Align the illustrated borehole in the focal point of the laser, place the drill and begin drilling.



Maintenance and cleaning

WARNING: For your own safety, turn the switch off and remove plug from power source outlet before any operation of maintenance on our drill press.

Keep your appliance clean
Be careful some household cleaning products and solvents such as benzine, trichloroethene, chloride, ammonium, etc., can damage plastic parts.
To avoid motor damage, blow out or vacuum frequently this motor to keep drill press dust from interfering with normal motor ventilation..

Power cord
To avoid shock or fire hazard, if the power cord is worm or cut, or damaged in any way, have it replace immediately.

Lubrication
All of the ball bearings are packed with grease at the factory. No further lubrication is required. Periodically lubricate the splines -grooves -in the spindle and the rack.
To lubricate the splines, bring do~ the quill and object the grease into the spindle from the top of the pulley. Bring the quill up and down a few times. To lubricate the rack, bring down the quill and apply grease to the outer surface of the quill. Bring the quill up and down a few times.

Please note that the following parts of this product are subject to normal or natural wear and that the following parts are therefore also required for use as consumables.
Wear parts*: Carbon brushes, v-belt, drill, battery

* Not necessarily included in the scope of delivery!

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:

- Punch 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 .

Single-phase motor

- The mains voltage must coincide with the voltage specified on the motors rating plate.
- Dimension cables up to a length of 25 m must have a cross-section of 1.5 mm2. and beyond 25 m at least 2.5 mm^{a}.
- The connection to the mains must be protected with a 16 A solacing fuse.

Important remark: The motor is automatically switched off in the event of an overload. The motor can be switched on again after a cooling down period that can vary.

Warning: The drill press must not be operated in the open air. The machine must have an earth Gable to protect the operator from electrical shocks.

Storage/Transport

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.
The appliance can be lifted on the left and right grinding wheel / belt sander cover. Power cable, flexible lamp shaft etc. should not be used for transport purpose.

Disposal and recycling

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

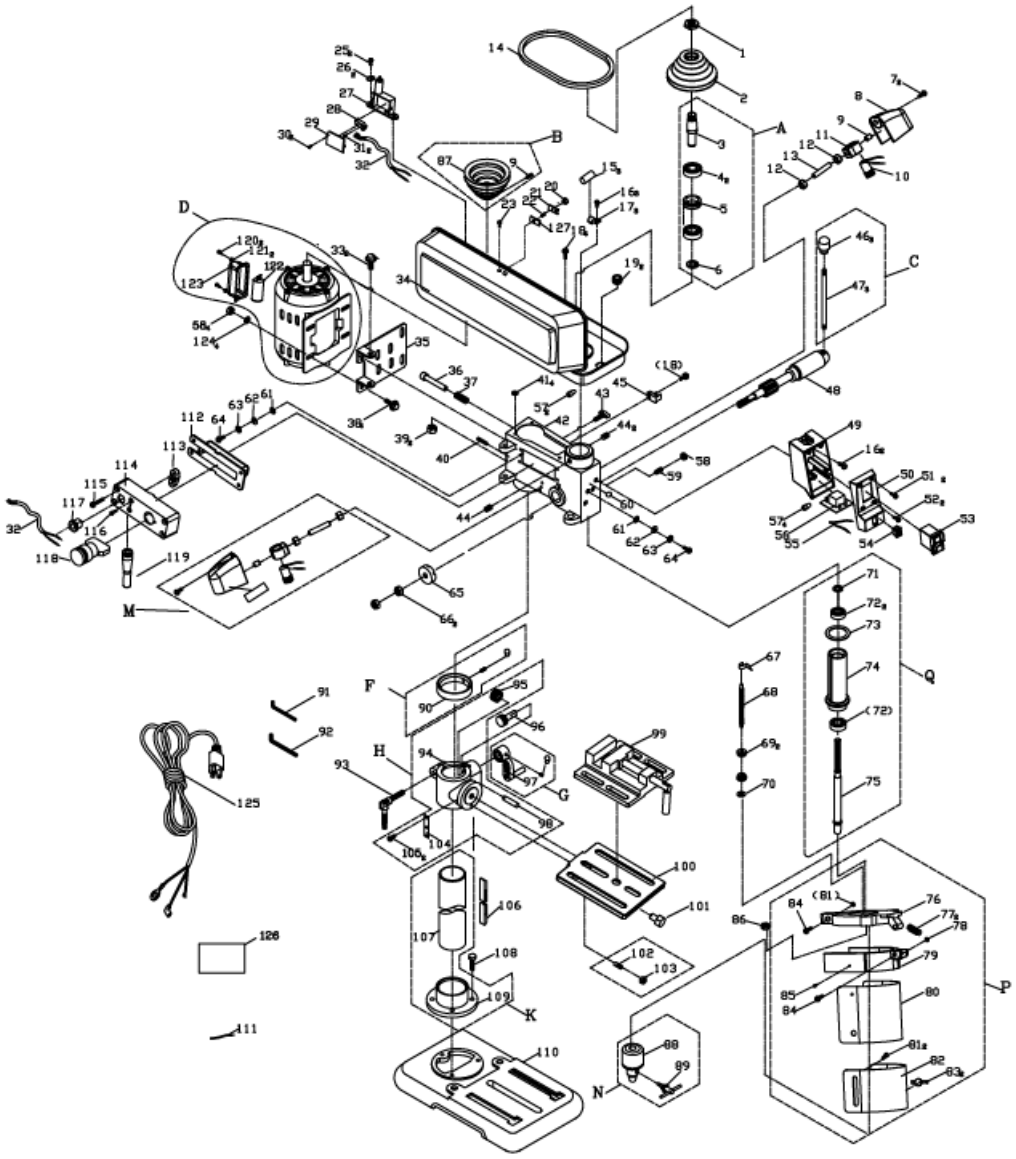
Old devices must not be disposed of with house-hold waste!
This symbol indicates that this product must not be disposed of together with domestic waste in compliance with the Directive (2012/19/EU) pertaining to waste electrical and electronic equipment (WEEE). This product must be disposed of at a designated collection point. This can occur, for example, by handing it in at an authorized collecting point for the recycling of waste electrical and electronic equipment. 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 properly disposing of this product, you are also contributing to the effective use of natural resources. You can obtain information on collection points for waste equipment from your municipal administration, public waste disposal authority, an authorized body for the disposal of waste electrical and electronic equipment or your waste disposal company.

Troubleshooting

Trouble	**Problem**	**Remedy**
Quill returns too slowly or too quic kly	Spring has improper tension	Adjust spring tension. See “Quill r eturn spring”.

Chuck will not stay attached to sp indle. It will falls off when trying to install.	Dirt, grease or oil on the tapered insid e surface of the chuck or on the spindl e's tapered surface.	Using household detergent, clean the tapered surfaces at chuck and spindle ta remove all dirt, grease a nd oil. See "Installing the chuck".
Noisy operation	1. Incorrect belt tension	1. Adjust belt tension. See "Choosi ng speed and belt tensioning".
	2. Dry spindle.	2. Duplicate spindle. See "Duplicat ion"
	3. Loose spindle pulley	3. Check tightness of retaining nut on pulley, and tighten if necessary
	4. loose motor pulley.	4. Tighten set screw in motor pulle y
Wood splinters on underside.	No "backup material" behind work piece.	Use "backup material". See "Positi oning table and work piece".
Workpiece tom loose from hand.	Not supported or clamped property.	Support work piece or clamp it. Se e "Positioning table and work piece".
Drill bit bums.	1. Incorrect speed.	1. Change speed. See "Choosing speed and belt tensioning".
	2. Chips not coming out of hole.	2. Retract drill bit frequently to rem ove chips.
	3. Dull drill bit	3. Reshaped drill bit.
	4. Feeding too slowly	4. Feed fast enough ta allow drill b it to cut.
Drill leads off…hole not round.	1. Hard grain in wood or lengths of cut ting lips and/or angle not equal	1. drill bit correctly.
	2. Bent drill bit.	2. Replace drill bit.
Drill bit binds in work piece.	1. Work piece pinching drill bit or exce ssive feed pressure.	1. Support work piece at clamp it. See "Positioning table and work pi ece".
	2. Improper belt tension.	2. Adjust belt tension. See "Choosi ng speed and belt tensioning".

Excessive drill bit run- out or wob ble.	1. Bent drill bit	1. Use a straight drill bit.
	2. Won spindle bearings	2. Replace bearings.
	3. Drill bit not properly installed in chu ck.	3. Install drill properly. See “Installi ng drill bits”.
	4. Chuck not properly installed.	4. Install chuck properly. See “Inst alling the chuck”.



Hereby declares the following conformity under the EU Directive and standards for the following article

DP16SL

	2014/29/EU
X	2014/35/EU
	2006/28/EC
	2005/32/EC
X	2014/30/EU
	2004/22/EC
	1999/5/EC
	2014/68/EU
	90/396/EC
X	2011/65/EU

	89/686/EC_96/58/EC
X	2006/42/EC
	Annex IV Notified Body: Notified Body No.: Reg. No.:
	2000/14/EC_2005/88/EC
	Annex V
	Annex VI **Noise:** measured L_{WA} = dB(A); guaranteed L_{WA} = dB(A) **Notified Body:** **Notified Body No.:**
	2004/26/EC
	Emission. No:

The object of the declaration described above fulfils the regulations of the directive 2011/65/EU of the European Parliament and Council from 8th June 2011, on the restriction of the use of certain hazardous substances in electrical and electronic equipment..

Standard references: EN 61029-1; EN 55014-1; EN 55014-2; EN 61000-3-2; EN 61000-3-3

Ichenhausen, den 01.02.2018 _____
Unterschrift / Markus Bindhammer / Technical Director
Art.-No. 5806801903
Subject to change without notice
Documents registar: Andreas Mayer
Günzburger Str. 69, D-89335 IchenhauseN

Warranty

Apparent defects must be notified within 8 days from the receipt of the goods. Otherwise, the buyers rights of claim due to such defects are invalidated. We guarantee for our machines in case of proper treatment for the time of the statutory warranty period from delivery in such a way that we replace any machine part free of charge which provably becomes unusable due to faulty material or defects of fabrication within such period of time. With respect to parts not manufactured by us we only warrant insofar as we are entitled to warranty claims against the up-stream suppliers. The costs for the installation of the new parts shall be borne by the buyer. The cancellation of sale or the reduction of purchase price as well as any other claims for damages shall be excluded.

scheppach Fabrikation von Holzbearbeitungsmaschinen GmbH | Günzburger Str. 69 |
D-89335 Ichenhausen | **www.scheppach.com**

www.scheppach.com / **service@scheppach.com** / +(49)-08223-4002-99 / +(49)-08223-4002-58

Documents / Resources

	**scheppach DP16SL Drill Press** [pdf] Instruction Manual DP16SL Drill Press, DP16SL, Drill Press, Press

References

- **scheppach | scheppach**