SCHEPPACH Pneumatic Chisel Hammer 6.3 bar User Guide

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USER MANUAL

Explanation of the symbols on the equipment

	GB	Caution - Read the operating instructions to reduce the risk of inquiry
	GB	Wear safety goggles!
	GB	Wear ear-muffs!
	GB	Wear a breathing mask!

DEAR CUSTOMER

We hope your new tool brings you much enjoyment and success.

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,
- Non-compliance of the operating instructions,
- Repairs by third parties, not by authorized service technicians,
- Installation and replacement of non-original spare parts,
- Application other than specified,

Safety regulations

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. Protect yourself and your environment from accidents by taking the appropriate precautionary measures.

General safety rules

- The equipment is not allowed to be modified. Modi – fications will reduce the effectiveness of the safety measures and increase the risk of injury.
- Never use damaged equipment.
- Use and service the equipment as recommended in the operating instructions. This will help you to minimize dust, gas, noise, and vibrations.
- Keep children away from air tools.
- Do not use the equipment in idling mode. This will prevent the chisel from being catapulted out of the machi – ne out of control.
- Use the consumables and mounted tools in the way described in the operating instructions. This will help you to minimize dust, gas, noise, and vibrations.
- The equipment must be serviced in regular intervals in order to check that the rated values and markings demanded of the particular component by ISO 11148 are legible on the equipment. Employees/users must contact the manufacturer for replacement labels if they are required.

Hazards due to catapulted parts

- Disconnect the compressed air coupling and depressurize the equipment before your service, repair, or transport the equipment and before you change the chisel.
- Beware of fragments of the workpiece, accessory parts, or the plugged-in chisel being catapulted away at high speed when carrying out chiseling work.
- Always wear impact-resistant safety goggles. The degree of protection should be assessed separately for each job.

- Wear a helmet during overhead work. Also consider the dangers which falling pieces of the workpiece can pose for other persons.
- Make sure that the workpiece is fixed securely.
- Make sure that the chisel which you are using is fastened securely.
- Use only a suitable tensioning spring (5) (supplied). Replace the tensioning spring if it is worn, broken or bent. This will help to prevent injuries.
- Hold the mounted chisel against the workpiece before you activate the equipment.
- Use only the recommended lubricant (see section Maintenance and care).
- Never touch the chisel during and after working with the equipment. Fingers and hands may be injured. The chisel can become hot.

Dangers during operation

- Using this equipment can cause bruises, grazes, cuts and burns. Wear gloves.
- Users and maintenance personnel must be physically capable of handling the size, weight, and power of the equipment.
- Unexpected movements of the equipment or fracturing of the chisel can cause serious accidents.
- It is important therefore to always stand squarely and solidly so that you can keep control of the equipment and maintain your posture even if the equipment makes unexpected movements.
- Let go of the trigger lever (2) if the air supply is in – terrupted.
- Wear the necessary protective clothing, in particular impact-proof safety goggles, ear muffs, and safety gloves, when working with the chisel hammer.

Dangers due to repetitive movements

- Working with the chisel hammer can result in disorders in the hands, arms, shoulders, neck, and other parts of the body.
- When using the equipment, be sure to adopt a com – fortable posture and change your posture repeatedly in order to avoid physical complaints.
- Stop using the equipment if you experience numbness, tingling, pain, or whitening of the skin on your fingers or hands, and consult a doctor.

Dangers due to accessories

- **Important:** Disconnect the equipment from the compressed air supply before you carry out any maintenance or cleaning work.
- Only use accessories and consumables of a size and type recommended by the manufacturer.
- Do not use the chisel as a hand tool. The chisels were designed especially for use with a chisel ham – mer.
- Use only sharp chisels. Blunt chisels need higher pressure, can break, and will increase vibrations.
- Do not cool hot tools in water. This may result in damage.
- Do not use the chisel as a levering tool.
- Never touch the chisel during and after working with the equipment. Fingers and hands may be injured. The chisel can become hot.
- Do not use any defective items of equipment. Replace defective parts. This will help to prevent injuries.

Dangers at the workplace

- Slipping, stumbling, and falling are the main reasons for injuries at the workplace. Beware of slippery surfaces which result from using the equipment and also beware of tripping over the air hose.
- Beware of hidden dangers such as electric cables or gas and water pipes.
- This equipment is not insulated against contact with an electric cable. It is vital to avoid all contact with electric cables. The equipment is not suitable for use in explosive atmospheres.
- • The equipment is not suitable for use in explosive atmospheres. Sparks may be created when you work with this equipment. It is important therefore that you never work with this equipment near combustible materials, liquids, or gases.

Dangers due to dust and vapors

- Depending on the material you wish to process, dust and gases may arise that are a health hazard for the user (for example causing cancer, birth defects, asthma and / or dermatitis).
- Make sure that escaping air whirls up as little dust as possible.
- Wear a suitable protective dust mask which complies with the particular case of application and the generally applicable safety rules.

Dangers due to noise

- Noise can cause permanent damage to your hearing. Unprotected exposure to high levels of noise can result in loss of hearing and other problems such as tinnitus (ringing, buzzing, whistling or droning noises in your ears). Wear ear-muffs.
- To keep noise and vibration levels as low as possible, follow the maintenance and operating instructions in the manual. For example, vibration-damping material used as an intermediate layer when working on sheet metal can also reduce noise.

Dangers due to vibrations

- Vibrations can injure the nerves and cause blood circulation disorders in your hands and arms.
- Wear warm clothing when you work in cold surroun – dings. Keep your hands warm and dry.
- Stop using the equipment if you experience numbness, tingling, pain, or whitening of the skin on your fingers or hands, and consult a doctor.
- Do not hold the plug-in tool with your free hand as this will lead to a higher vibration load.
- Hold the equipment with a light but secure grip, noting the reaction forces which arise in the process.
- The risk of disorders caused by vibrations is always greater with a tight grip.

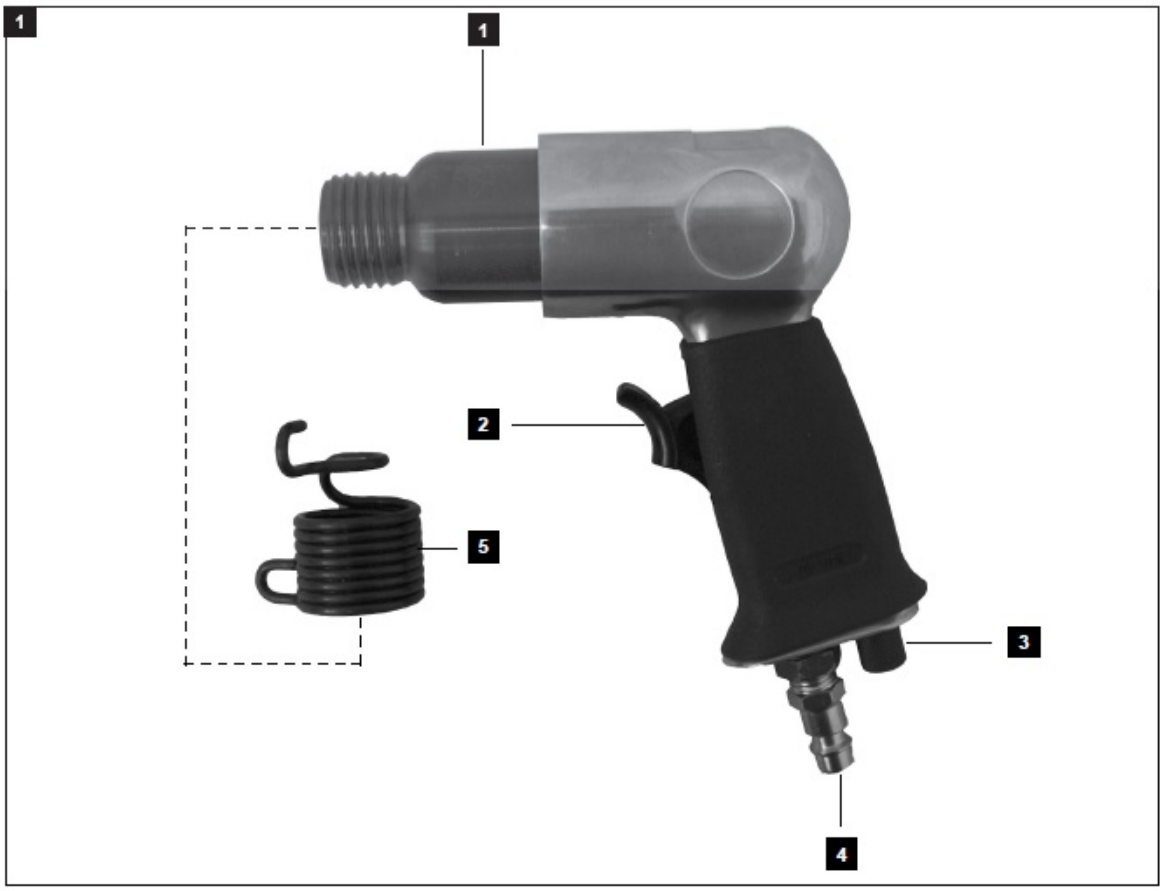
Additional safety information for pneumatic machines

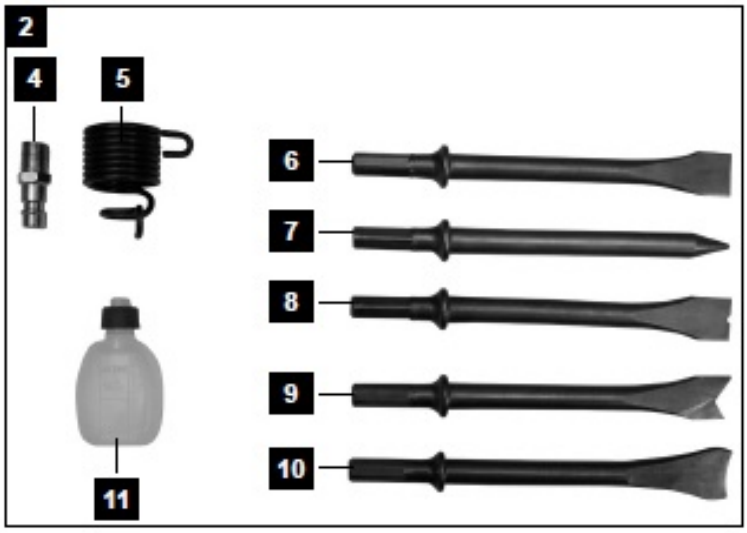
- Compressed air can cause serious injuries.
- Disconnect the compressed air coupling and depressurize the equipment before your service, repair, or transport the equipment and before you change the chisel.
- Never direct compressed air at yourself or at any other persons.

- Whipping hoses may cause serious injuries. You must always make sure therefore that the hoses and their fasteners are undamaged and have not become disconnected.
- When you release the quick-lock coupling, hold the hose securely in your hand and never use defective connectors. This will help to prevent injuries caused by a whipping compressed air hose.
- Do not let cold air flow over your hands.
- Do not use any quick-lock couplings at the air inlet. Use hose connections with a hardened steel thread (or a material with comparable resistance to vibrations).
- If universal rotary couplings (claw couplings) are used, lock pins must be installed, and a retention system for compressed air hoses used in order to protect against possible faulty connections („hose to tool“ or „hose to hose“).
- Do not exceed the maximum permissible operating pressure.
- Do not carry compressed air tools by their hoses.
- Keep this safety information in a safe place.

Layout and items supplied

Layout (Fig. 1/2)





1. Cylinder
2. Trigger lever
3. Air regulation screw
4. Nipple
5. Tensioning spring
6. Chisel
7. Special compressed air oil

Items supplied

- Open the packaging and take out the equipment with care.
- Remove the packaging material and any packaging and/or transportation braces (if available).
- Check to see if all items are supplied.
- Inspect the equipment and accessories for transport damage.
- If possible, please keep the packaging until the end of the guarantee period.

Important!

The equipment and packaging material are not toys. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating!

- Air chisel hammer
- Nipple
- Tensioning spring
- Chisel set (5 chisels)
- Special compressed air oil
- Original operating instructions

Proper use

The chisel hammer is a pneumatically operated tool for versatile use. It is suitable for example for making slits, removing tiles or plaster, making holes through masonry, cutting sheet metal, and for removing bolts or rivets. The

equipment is designed for indoor use only. The exhaust air escapes from the housing to the front. The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user/operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this. Please note that our equipment has not been designed for use in commercial, trade, or industrial applications. Our warranty will be voided if the equipment is used in commercial, trade, or industrial businesses or for equivalent purposes. Only allow repairs and services to be carried out by authorized professional repair shops.

Remember: Too small a diameter of the hose and too long a hose line will result in loss of power.

Technical data

Max. permitted operating pressure	**6,3 bar**
Air consumption	**79,2 l/min**
Chisel mounting (hexagon)	**10 mm**
Blow rate	**4500 min-1**
Recommended hose diameter	**10 mm**
Weight	**1.2 kg**

Sound and vibration

Sound and vibration values were measured in accordance with ISO 15744 and ISO 28927-10.

sound pressure level LpA	**84.2 dB(A)**
uncertainty KpA	**3 dB(A)**
sound power level LWA	**95.2 dB(A)**
uncertainty KWA	**3 dB(A)**

Wear ear-muffs.

- The impact of noise can cause damage to hearing.

Vibrations

- Vibration emission value ah = 9,5 m/s2
- K uncertainty = 1,44 m/s2

Warning!

The specified vibration value was established in accordance with a standardized testing method. It may change depending on how the equipment is used and may exceed the specified value in exceptional circumstances. The specified vibration value can be used to compare the equipment with another tool. The specified vibration value can be used for the initial assessment of a harmful effect.

Keep the noise emissions and vibrations to a minimum.

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

Residual risks

Even if you use the equipment in accordance with the instructions, certain residual risks cannot be eliminated. The following hazards may arise in connection with the equipment's construction and layout:

1. Lung damage if no suitable protective dust mask is used.
2. Damage to hearing if no suitable ear protection is used.
3. Health damage is caused by hand-arm vibrations if the equipment is used over a prolonged period or is not properly guided and maintained.

Air supply

- Via a compressed air source with pressure setting function, e.g. a compressor. Before starting up, please also read section 7 "Care and maintenance".

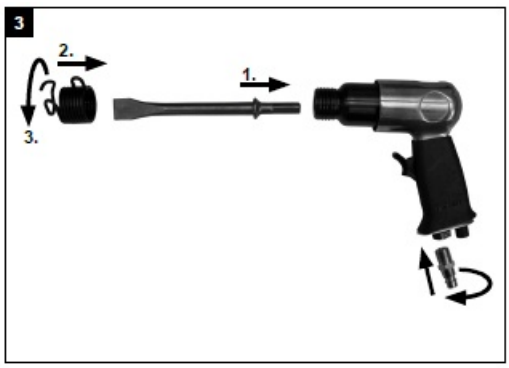
Performance values of the compressor:

- The compressor used should have a tank volume of at least 50 liters and a motor rating of approx. 2.2 kW.

Setting values for work with the suction spray gun:

- Set a maximum working pressure of 6.3 bar at your compressed air supply.

Before starting the equipment Fig. 3



Screw the supplied nipple (4) into the air connection after you have wound 2-3 layers of sealing tape around the thread. Plug the required chisel into the hexagon mount of the chisel hammer. Slip the tensioning spring (5) over

the chisel. Turn the tensioning spring onto the thread of the cylinder (1) as far as the stop. As you do this, hold the tensioning spring by the front arm. Connect the chisel hammer to a compressor or compressed air network with matching power. Do this with a flexible compressed air hose (Ø 10 mm internal) with quick-lock coupling. Make sure that the air regulation screw (3) is adjusted so that air can flow through. Move the chisel hammer towards the object you want to work on. Actuate the trigger lever (2) to start the chisel hammer.

Check the equipment and the mounted tool each time before use. This also includes checking the speed and the level of vibrations. To change the chisel you must first disconnect the equipment from the compressed air source. Turn the tensioning spring off the cylinder of the chisel hammer by holding it by its rear arm. The chisel can now be changed as described above. The chisel shaft should be lubricated with a little normal lubricating grease from time to time.

Maintenance and care

Important: Disconnect the equipment from the compressed air supply before you carry out any maintenance or cleaning work. Compliance with the maintenance instructions listed here will help this quality product provide you with long service life and trouble-free operation. Clean the equipment thoroughly and immediately each time after it has been used. Regular lubrication is essential for your chisel hammer to work properly for a prolonged period of time. Use only special compressed air oil as supplied. Special compressed air oil is also available from your dealer.

Note: Use environmentally-friendly compressed air oil if you want to operate the equipment outside the workshop.

The following lubrication options are available:

Lubrication by mist oiler

Connect a complete conditioning unit with a mist oiler between the compressed air source and the chisel hammer. A conditioning unit is available from your dealer. It is not included in the scope of this delivery.

Lubrication by hand

Each time before using the compressed air tool insert 3-5 drops of special compressed air oil into the compressed air connection. If the compressed air tool has not been used for several days you must insert 5-10 drops of special compressed air oil into the compressed air connection before switching it on. Store your compressed air tool only in a dry room.

Other maintenance

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

Excluded from the guarantee are

- Wear parts
- Damage caused by too much operating pressure.
- Damage caused by non-conditioned compressed air.
- Damage caused by improper use or unauthorized intervention.

Cleaning

Important: Disconnect the equipment from the compressed air supply before you carry out any maintenance or

cleaning work.

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

Storage

Store the equipment and accessories out of children's reach in a dark and dry place at above freezing temperature. The ideal storage temperature is between 5 and 30 °C. Store the equipment in its original packaging.

Disposal and recycling

The unit is supplied in packaging to prevent it's being damaged in transit. This packaging is raw material and can therefore be reused or can be returned to the raw material system. The unit and its accessories are made of various types of material, such as metal and plastic. Defective components must be disposed of as special waste. Ask your dealer or your local council. Theequipment must be disposed of in a way which does not result in any danger for persons and the environment.

Documents / Resources

	SCHEPPACH Pneumatic Chisel Hammer 6.3 bar [pdf] User Guide Pneumatic Chisel Hammer 6.3 bar, Chisel Hammer

References

- scheppach | scheppach