




MANNESMANN 92575 Compact Tool Kit Instruction Manual

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MANNESMANN 92575 Compact Tool Kit



Product Information

Art. No.	92575
Model	Compact Tool Kit
Power	130 Watt
Voltage	230V~ / 50 Hz
Speed	8,000-30,000 min-1
Noise Level (LPA)	73 dB(A) (Measurement uncertainty K = 3 dB)
Noise Level (LWA)	84 dB(A) (Measurement uncertainty K = 3 dB)
Vibration Information	Class II

Product Usage Instructions

The Compact Tool Kit is designed for various activities such as drilling, mortising, engraving, polishing, grinding, or cutting different materials in model building and other hobby applications.

Additional Safety Guidelines for Compact Drills

1. Keep your hands away from the attachment tool while working.
2. Exercise care when working with irregularly shaped materials. Secure them properly to prevent slippage.
3. Ensure that the tool does not become jammed and jolt out of your hands, especially during cutting and drilling.
4. Always direct the power cord and/or extension cord away from the machine and avoid contact with the tool attachment.
5. Maintain the machine free of oil and grease at all times.
6. Avoid using the machine when tired or not concentrated.
7. Ensure that the attachments are in good condition. Do not use damaged cutting and grinding discs.
8. Disconnect the power cord from the power supply before performing any work on the machine.
9. Switch off the machine and wait for it to come to a full stop before putting it down.
10. Always be aware of the machine's rotational direction. Hold the machine in a way that sparks, dust, or shavings are discharged away from you.

11. When grinding and cutting metal, be cautious of sparks to prevent injury to yourself or others.

This operating manual and the attached safety guidelines must be read and observed before using this machine!

Intended Usage

The Compact Tool Kit is to be used for drilling, mortising, engraving, polishing, grinding or cutting various materials in model building and other hobby activities.

Additional Safety Guidelines for Compact Drills

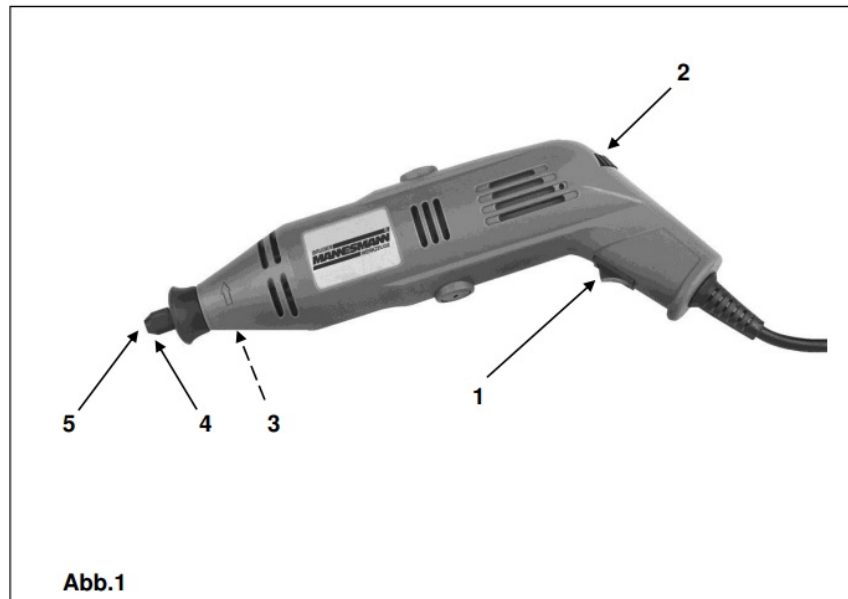
1. While working, keep your hands away from the attachment tool.
2. Exercise care when working with irregularly shaped materials. Secure such materials to prevent slippage.
3. Particularly when cutting and drilling, be sure that the tool does not become jammed and jolt out of your hands.
4. Always direct the power cord and/or extension cord away from the machine and do not let it come into contact with the tool attachment.
5. Keep the machine free of oil and grease at all times.
6. Do not use the machine when you are tired or not concentrated.
7. Make sure that the attachments are kept in good condition. Damaged cutting and grinding discs should never be used.
8. Before performing any work on the machine itself, make sure that the power cord is disconnected from the power supply.
9. Switch the machine off and wait for it to come to a full stop before putting it down.
10. Always be aware of the machine's rotational direction. The machine is always to be held such that sparks, dust or shavings are discharged away from you.
11. When grinding and cutting metal, sparks are to be expected. Be sure that the sparks do not cause injury to yourself or others.
12. Exercise care when holding or carrying the machine. The attachment tools are sharp and can cause injury even when the machine is not in operation.
13. Before changing the attachment tools or otherwise working on the machine itself, the power cord should always be unplugged.
14. Do not press the spindle lock button while the machine is in operation.
15. Do not use grinding discs with a diameter larger than 25 mm. Such discs can shatter and cause serious injury due to the machine's high operating speed.
16. Check the integrity of extension cords before they are used, and replace any damaged cords.

Device Operation

- Before operating the machine, take the time to familiarize yourself with its operational features and attachments. The machine operates at a very high speed. It is a high-performance, versatile and easily operated device for grinding, cutting, drilling and polishing a variety of materials. The machine can be equipped with attachments available in a wide variety of shapes and sizes.
- The machine is equipped with a switch for regulating the rotational speed and operates with rotational speeds between 8,000 – 30,000 rpm.

- The optimal rotational speed depends on the material and the attachment and will be explicated later in this operating manual.

Device Description (Fig. 1)



1. operating switch
2. rotational speed regulator
3. locking button
4. clamping nut
5. collet chuck

Technical Information

- **voltage** 230V~ / 50 Hz
- **capacity** 130 Watts
- **neutral rotational speed** 8,000-30,000 min⁻¹
- **sound pressure level** (LPA) 73 dB(A)
(uncertainty K = 3 dB)
- **sound power level** (LWA) 84 dB(A)
(uncertainty K = 3 dB)
- **vibration specifications** 2.02 m/s²
(uncertainty K = 1,5 m/s²)
- **protection class** / II

Wear safety glasses and ear protection at all times when operating the machine!

Installing the Attachments

1. Before installing or changing the attachments, the device must be disconnected from the power supply in order to prevent it from switching on unexpectedly.
2. In order to disengage the clamping nut, press the locking button and turn the chuck until the locking button

snaps into place and the motor shaft is locked.

3. Place the attachment's shaft in the collet chuck.
4. Let the motor shaft lock into place while pressing the locking button and tighten the clamping nut tight until the attachment is secured.

In order to replace the collet chuck, the clamping nut must first be removed.

- Place the new collet chuck in the shaft's opening and then replace the clamping nut.
- Use only the original collet chucks that are provided with the device.
- Use only the collet chucks that correspond to the shaft diameter of the attachment.
- Do not try to force an attachment with a shaft that is too thick into the collet chuck. The attachment should slide easily into the collet chuck and be tightly secured.

Checking the Attachments

- Before beginning to work, check whether the attachment you are using is damaged. Damaged attachments should never be used, as they present a danger of injury.
- After installing the attachment, first run the machine at a low rotational speed and check whether the rotation is true.
- Increase the rotational speed to the highest level and check whether the attachment's rotation is irregular or if you feel strong vibrations from the machine. Such vibrations indicate that the attachment's shaft is bent. Never use an attachment with a bent shaft; replace it.
- Caution: Do not use grinding or cutting discs with a diameter larger than 25 mm. Such discs can shatter and cause serious injury due to the machine's high operating speed.

Starting Up the Machine

- Make sure that the operating switch is set to "O" before you connect the machine to the power supply.
- When grinding and cutting, protect your eyes from injury by wearing protective glasses at all times. When doing work that creates dust, a dust mask should be worn.
- Do not cover the ventilation openings in the machine's housing with your hands.
- Due to the shape of the housing, the machine can be held like a pen or pencil.
- When switching the machine on, make sure that the attachment is touching neither the material being worked on nor the workbench and keep your hands away from the rotating attachments.
- If necessary, fasten the material with clamps or in a vice to prevent it from slipping under the machine.
- In order to have better control over the device while working, hold it between your thumb and pointer, like a pencil.
- Before beginning work, use some scrap material to check the functionality of the machine and the attachment.
- Use light pressure while working.
- In many cases, it is recommendable to work in several stages.
- When working with cutting and grinding discs, make sure that the discs do not cant or twist in the material, as they may shatter and cause injury.

Operating Speeds and Attachments

In order to achieve the best results in working with various materials, the machine's rotational speed can be adjusted. Using scrap material, determine the right rotational speed. Due to the fact that the optimal rotational speed is dependant on both the attachment and the material, the only way to determine the best setting is by doing a test on scrap material. In general:

- On plastics, a low rotational speed should be used; otherwise the frictional heat may damage the material.
- Hard materials (e.g. metal, glass, etc.) usually require higher rotational speeds.

Installing the Cutting and Grinding Discs (Fig. 2)

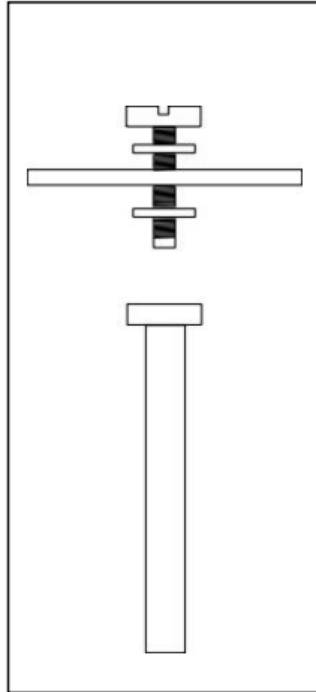


Abb.2

1. Detach and remove the work arbor's screw.
2. Place the cutting or grinding disc between the two washers on the screw and turn the screw in the work arbour.

Installing the Slip Rings (Fig. 3)

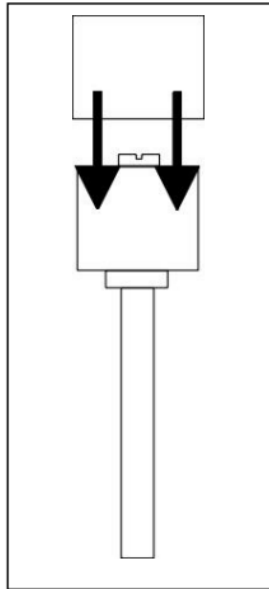


Abb.3

1. Unscrew the screw on the upper side of the rubber roll.
2. Slide the slip ring over the rubber roll.
3. Tighten the screw on the upper side of the rubber roll. This will push the rubber roll apart and hold the slip ring tight.

Installing the Felt Discs (Fig. 4)

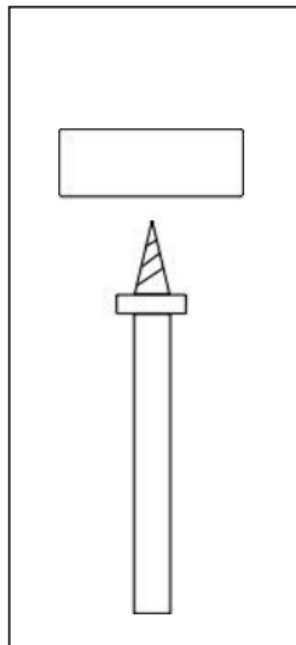


Abb.4

1. Use the clamping madrel with a threaded head.
2. Screw the felt disc onto the threading.

2 Year Full Guarantee


- The guaranteed period for this device begins with the date of purchase. Please provide us with proof of the date of purchase by sending the original receipt.
- During the guaranteed period, we guarantee:
 - free repair of possible dysfunctions.
 - free replacement of any parts that are defective.
 - free professional service (i.e. free installation by our specialists).
- It must be provided that the defect is not due to improper usage of the machine.
- If you have further enquiries or quality problems, please contact the manufacturer directly:
 - Brüder Mannesmann Werkzeuge GmbH Repair and Service Department
 - Lempstr. 24
 - 42859 Remscheid
 - **telephone:** +49 2191/37 14 71
 - **email:** service@br-mannesmann.de

DISPOSAL

Disposal of Electronic Tools and Environmental Protection

- If one day your machine has been so intensively used that it must be replaced, or if you no longer have use of it, you are required to dispose of it at a central recycling location.
- Information about disposing of your machine can be obtained from your local waste disposal company or from your local government administrative office.
- Electronic devices contain valuable recyclable raw materials. By delivering your device to a recycling centre, you contribute to the recycling of valuable raw materials.
- Electronic devices also contain materials that can cause damage to people and the environment if they are improperly disposed of.
- The symbol of the crossed-out waste container represents the requirement that devices bearing this label be brought to separate recycling centres for electronics.

Documents / Resources

	<p>MANNESMANN 92575 Compact Tool Kit [pdf] Instruction Manual 92575, 92575 Compact Tool Kit, Compact Tool Kit, Tool Kit, Kit</p>
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References

-  **[MANNESMANN. Das Rohr.](#)**