

Operation Manual

Electric Belt Sander File

61117



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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Even though, the WilTec Wildanger Technik GmbH has undergone biggest possible efforts to ensure that the operating manual is complete, faultless, and up to date, mistakes cannot be entirely avoided.

If you should find a mistake or wish to make a suggestion for improvement, we look forward to hearing from you.

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The most recent version of this manual in various languages can be found in our online shop via:

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To return orders for exchange, repair, or other purposes, please use the following address. Attention! To allow for a smooth execution of your complaint or return, it is important to contact our customer service team before returning the goods.

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Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

Warning symbols

	Regulatory compliance mark		Double insulated
	Before use read operating manual.		Wear hearing protection.
	Always wear eye protection.		

Technical specifications

Energy supply	230–240 V ~ 50 Hz
Power input (W)	400
Sound pressure level L_{pA} (dB (A))	82
Sound power level L_{WA} (dB (A))	(93+3) dB (A) (k=3)
Hand-arm vibrations A_w (m/s^2)	3.8
No-load speed N_o ($1/min$)	900–1400
Sanding belt size (mm)	455 × 6 / 455 × 13
Max. sanding depth (mm)	125
Size (mm)	430 × 200 × 110
Insulation class of motor	E
Weight (kg)	1,24

Safety regulations and warnings

General power tool safety warnings

Warning

- **Read all safety warnings and instructions.** Failure to follow the warnings and instructions 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 a mains-operated power tool (with power cord) or battery-operated (cordless) power tool.

Working area

- **Keep your work area clean and well lit.** Untidy and dark areas lead to accidents.
- **Do not operate power tools in explosive atmospheres, e.g., in presence of flammable liquids, gases, or dust.** Power tools create sparks which might ignite dust or fumes.



- **Keep bystanders, children, and visitors away while operating the tool.** Distractions can cause to a loss of control of the tool.

Electrical safety

- **Power tool plugs must match the socket. Never modify the plugs in any way. Do not use any adapter plugs with earthed power tools. Unmodified plugs and matching sockets will reduce the risk of electric shock.** Do not change the plug in any way. Double insulation eliminates the need for the three-wire earthed power cord and earthed power supply system.
- **Avoid body contact with earthed surfaces such as pipes, radiators, cooker plates, and refrigerators.** There is an increased risk of electric shock if your body is earthed.
- **Do not expose power tools to humidity or rain.** Water entering a power tool will increase the risk of electric shock.
- **Never use the cord to carry the tool or pull the plug from a socket. Keep the cord away from heat, oil, sharp edges, or moving parts.** Immediately replace damaged cords, as they increase the risk of electric shock.
- **When operating a power tool outside, use an outdoor extension cord.** These cords are rated for outdoor use and reduce the risk of electric shock.
- **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.

Personal safety

- **Stay alert, fully concentrate on what you are doing, and use common sense when operating a power tool. Do not use tools when tired or under the influence of alcohol, drugs, or medicine.** A moment of inattention while operating power tools may result in serious personal injury.
- **Dress properly. Do not wear loose clothing or jewellery. Tie long hair together.** Keep your hair, clothing, and gloves away from moving parts, as they can get caught by these.
- **Avoid accidental starting. Be sure that the switch is turned off before plugging the device in.** Carrying tools with your finger on the switch or plugging tools in with their switch turned on may lead to accidents.
- **Remove adjusting keys or wrenches before switching the tool on.** A wrench or key left attached to a rotating part of the tool may result in personal injury.
- **Do not bend over too much. Keep a safe footing and balance at all times.** Safe footing and balance enable better control of the tool in unexpected situations.
- **Use safety equipment. Always wear eye protection.** A dust mask, non-slip safety shoes, a safety helmet, or hearing protection must be used under certain circumstances. Ordinary eye or sun glasses are **no** eye protection.
- **If devices are provided for the connection of dust extraction and collection facilities, make sure that they are connected and properly used.** Use of dust collection can reduce dust-related hazards.

Tool use and care

- **Do not force the tool to carry out work it was not designed for. Use the correct tool for the work to be carried out.** The correct tool will work better and safer at a rate which it was designed for.
- **Do not use the tool if the switch does not work properly.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from the power source before making any adjustments, changing equipment, or storing the tool.** Such preventive safety measure reduces the risk of starting the tool accidentally.
- **Store the tools out of reach of children and other untrained people.** Tools are dangerous in the hands of untrained users.
- **Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools with sharp cutting edges are less likely to get stuck and therefore easier to control.

- Only use the power tool, equipment, tool bits, etc. in accordance with these instructions and by taking the working conditions into account, e.g., the work being carried out. Using the power tool for work other than the stated could result in a dangerous situation.

Servicing

The power tool needs to be serviced by a qualified person from an authorized service partner using only original and identical parts. This will ensure that the safety of the power tool is maintained.

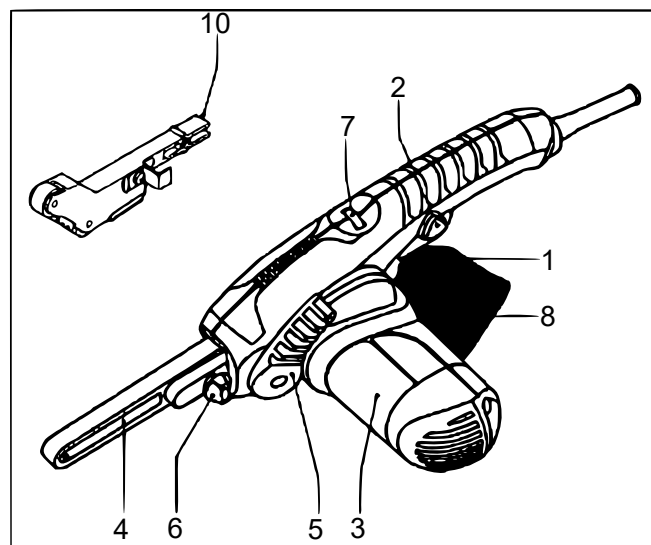
Additional safety instructions for the electric belt sander file

Warning! Safety instructions for all future operations: Hold the power tool by its insulated gripping surface, as the belt may contact its own cord. Cutting a live wire may expose metal parts of the power tool, making them live as well, and could lead to an electric shock.

- Wear a dust mask when sanding. Thoroughly remove all dust after sanding. Take special care when sanding paint which is possibly lead-based or when sanding certain woods and metals which might discharge toxic dust.
- Wear a dust mask specifically designed for protection against lead-paint dust and make sure that people within the work area or entering it are protected, too.
- Do not let children or pregnant women enter the working area.
- Do not eat, drink, or smoke within the work area.
- Dispose of dust particles and any other debris properly.
- Before using the tool on wooden work pieces, install the dust bag.
- Before using the tool on metal work pieces or work pieces containing metal, remove the dust bag.
- Wear gloves when working with metal work pieces.
- It is recommended that the tool always be protected by a residual current device with a rated residual current of 30 mA or less.

Operation, controls, and related instructions

Components and their names



Nº	Name	Nº	Name
1	On/off switch	6	Belt tracking knob
2	Lock button	7	Variable speed control knob



3	Secondary handle	8	Dust bag
4	Straight arm	9	(absent)
5	Belt tensioning lever	10	Cranked arm

Unpacking

Carefully unpack all parts and check that all the parts listed below are included. If any items are missing, immediately contact the seller.

Accessories:

- 1 set (10 pcs) P80 sanding belts
- 3 × sanding arms
- 1 × user's manual

Assembly



Warning! Before assembly, make sure that the tool is switched off and unplugged.

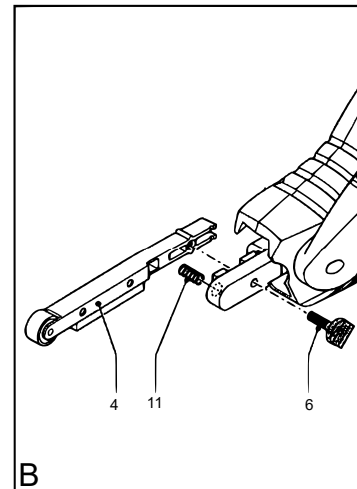
Fitting and removing the sanding arms (Fig. B)

Before the first use, the sanding arm needs to be placed to the tool.

- straight arm (sanding width 13 mm)
- curved arm for grooving and sanding in the centre of work pieces and for reaching confined areas
- Fitting:
 1. Make sure that the belt tensioning lever (**5**) is in the position shown (Fig. B).
 2. Loosen and remove the belt tracking knob (**6**).
 3. Remove the tape retaining the spring (**11**) (if present).
 4. Check that the spring is in its mounting hole.
 5. Position the arm (**4**) as shown.
 6. Fit the belt tracking knob (**6**) and tighten it until the arm is aligned with the tool.
- Removing:

Remove the sanding belt (if present) as described below:

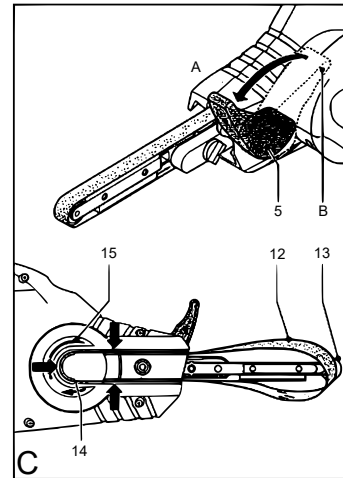
 1. Loosen and remove the belt tracking knob (**6**).
 2. Remove the arm.



Warning: Be careful not to lose the spring (11).

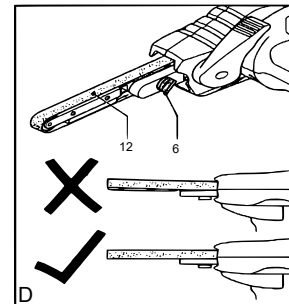
Fitting and removing a sanding belt (Fig. C)

- Fitting:
 1. Move the belt tensioning lever (5) to the front position (Fig. A).
 2. Make sure that the arrows on the inside of the sanding belt face the same direction as the arrows (15) on the housing.
 3. Place the sanding belt (12) over the front pulley (13) and the rear pulley (14), sliding it through the slot in the housing.
 4. Move the belt tensioning lever (5) to the rear position (B).
 5. Adjust the belt tracking as described below.
- Removing:
 1. Move the belt tensioning lever (5) to the front position (A).
 2. Slide the sanding belt (12) off the pulleys.



Adjusting the sanding belt tracking (Fig. D)

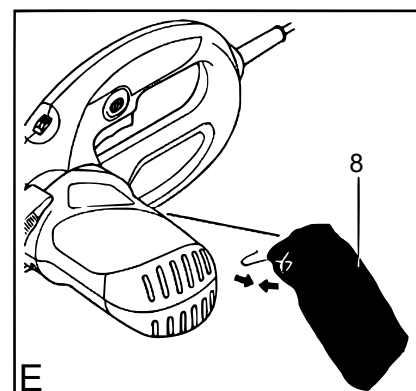
1. Switch the tool.
2. Turn the belt tracking knob (6) as required until the sanding belt runs straight along the length of the arm.



Fitting and removing the dust bag (Fig. E)

Warning: Make sure to remove the dust bag before using the tool on metal work pieces.

- Fitting:
 1. Press the clamp together, align the dust bag (8) with the tool as shown.
 2. Slide the dust bag onto the tool until it clicks into place and loose the clamp.
- Removing: Loose the clamp and pull the dust bag (8) off the tool.



Use

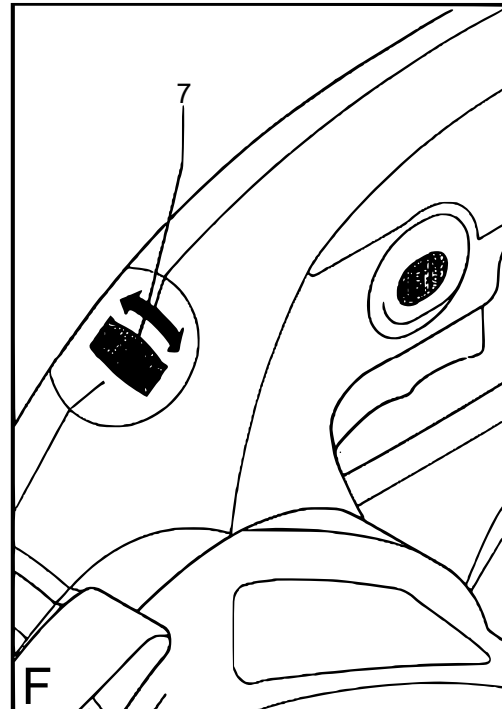
Warning: Let the tool work at its own pace. Do not overburden it.

Variable speed control (Fig. F)

The variable speed control allows you to adapt the speed of the tool to the work piece and the speed that is required.

Use a low-speed setting when using a fine grit, when working with plastics or ceramics, and when removing painted or varnished surfaces. Use a high-speed setting when using a coarse grid and removing a lot of material.

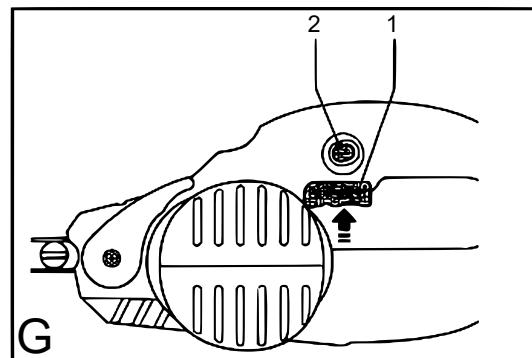
- Set the control knob (7) to the desired setting. Switching it on and off is possible by pressing the switch shown (Fig. G).
- To switch the tool on, press the on/off switch (1).
- To switch the tool off, release the on/off switch.
- For continuous operation:
 1. Press the on/off switch (1).
 2. Press the lock button (2).
 3. Release the on/off switch.
- To switch the tool off when in continuous operation, press and release the on/off switch (1).



Emptying the dust bag (Fig. G)

The dust bag should be emptied after 10 min of use.

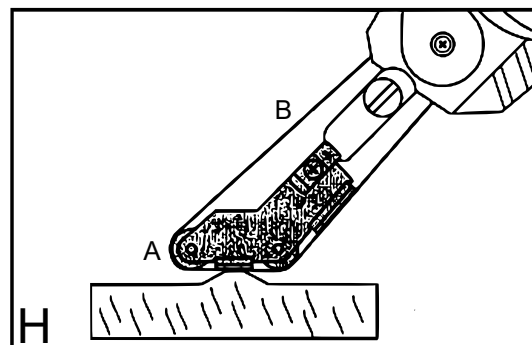
1. Align the dust bag (Fig. E, 8) with the tool and loosen the clamp as shown.
2. Hold the spout down and shake the dust bag to empty the contents.
3. Refit the dust bag onto the tool.



If necessary, the dust bag can be removed from its frame and can be washed. Let it dry before refitting it.

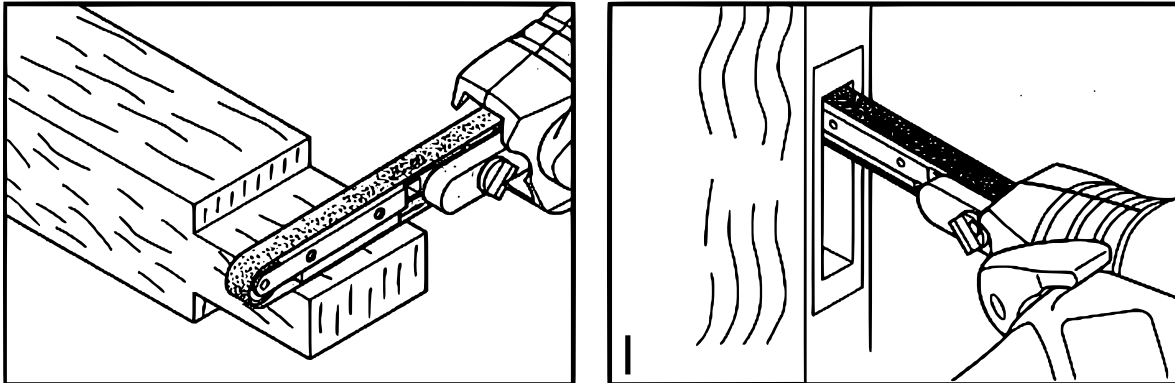
Curved arm (Fig. H)

Use section A for grooving or sanding in the centre of work pieces and in confined areas. Use section B for curved surfaces.



Straight arm (Fig. 1)

Use the normal and narrow arm for general use for slotting and for making joints.



Hints for optimal use

- Always hold the tool with both hands.
- Do not exert too much pressure on the tool.
- Regularly check the condition of the sanding belt. Replace it if necessary.
- Always sand with the grain of the wood, not against it.
- The work piece needs to be suitably supported or clamped.
- When sanding new layers of paint before applying another layer, use extra fine grit.
- On very uneven surfaces or when removing layers of paint, start with a coarse grit. On other surfaces, start with medium grit. In both cases, gradually change to a fine grit for a smooth finish.

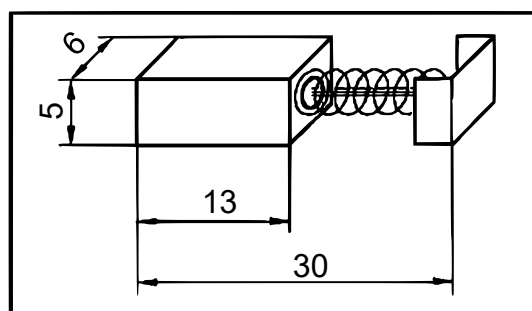
Maintenance

Warning: Before cleaning or performing maintenance, the tool must be disconnected from the power supply. All maintenance should only be carried out by a qualified person.

If the supply cord is damaged, it must be replaced by an authorised specialist with an especially prepared electricity cable to avoid a safety hazard.

Carbon brush

The brush and commutator of the tool should be visually examined regularly. Their good contact makes the tool energetic. When the spark around the commutator gets bigger, the carbon brush should be changed.

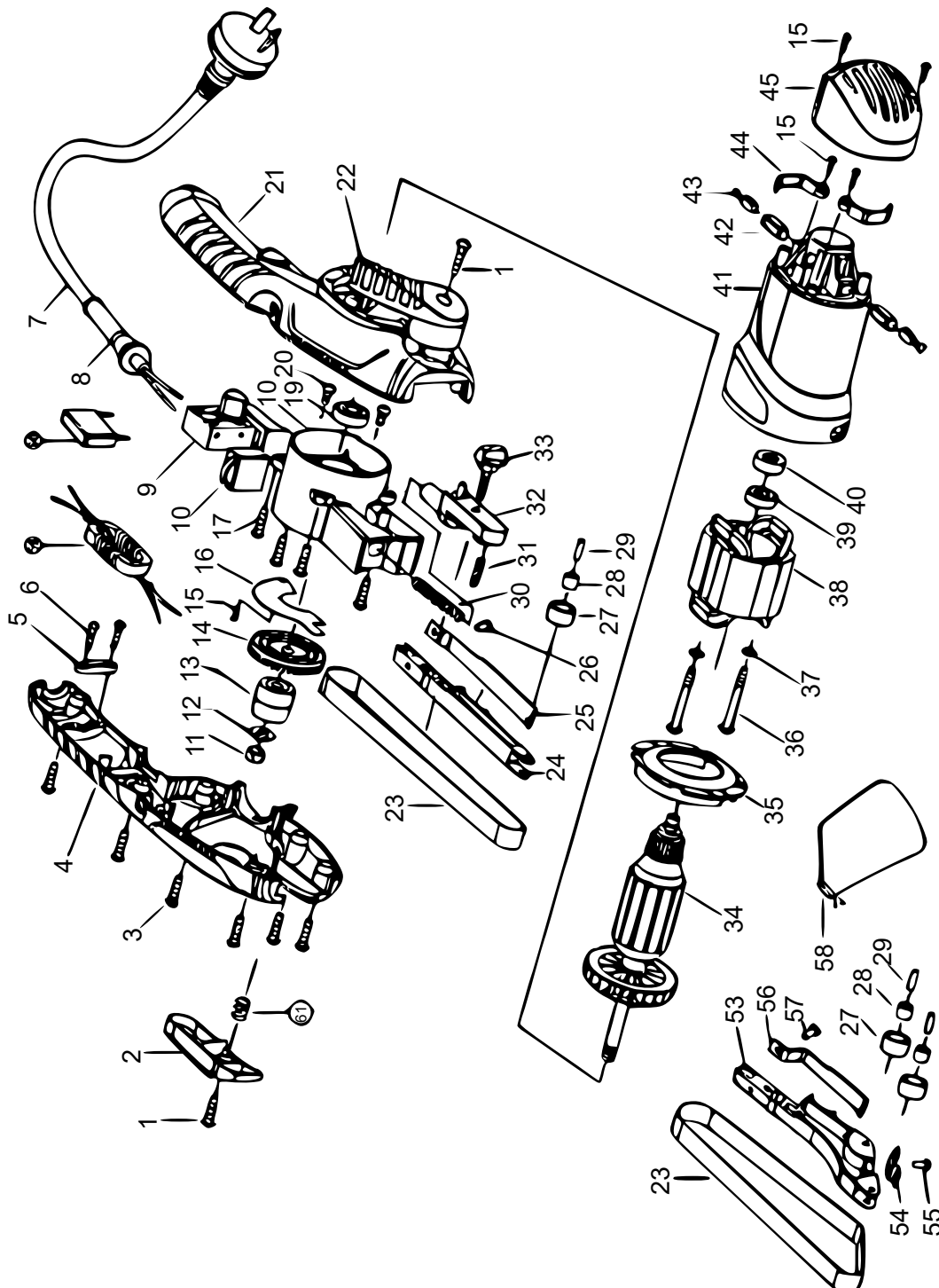


Cleaning

⚠ Warning: Before cleaning or performing maintenance, the tool must be disconnected from the power supply. Compressed dry air is the most effective cleaning method. Always wear safety glasses when cleaning tools with compressed air.

Ventilation openings and switch levers must be kept clean. Do not attempt to clean them by inserting pointed objects through openings. No chemical agent is allowed to be used in cleaning the power tool.

Exploded view





Parts list

№	Name	Qty.	№	Name	Qty.
1	Typing screw	2	32	Arm set	1
2	Left cap	1	33	Knob	1
3	Typing screw	6	34	Motor	1
4	Left handle	1	35	Fan guide	1
5	Cord clamp	1	36	Screw	2
6	Typing screw	2	37	Spring washer	2
7	Cord plug	1	38	Stator	1
8	Cord armour	1	39	Bearing	1
9	Switch	1	40	Bearing set	1
10	Speed level	1	41	Motor housing	1
11	Nut left	1	42	Brush holder	2
12	Washer	1	43	Brush	1
13	Belt wheel	1	44	Insulation block	2
14	Fan	1	45	Back cap	1
15	Typing screw	5	46	(absent)	
16	Fan guide	1	47	(absent)	
17	Typing screw	4	48	(absent)	
18	Base	1	49	(absent)	
19	Bearing	1	50	(absent)	
20	Screw	2	51	(absent)	
21	Right handle	1	52	(absent)	
22	Wrench	1	53	Curved belt arm	1
23	Sanding belts	2	54	Soft pad	1
24	Straight belt arm	1	55	Pad	1
25	Soft pad	1	56	Soft pad	1
26	Pad	1	57	Pad	1
27	Pulley	3	58	Dust bag	1
28	Bearing	3	59	Coil	1
29	Axes	3	60	Capacitor	1
30	Spring	1	61	Spring	1
31	Small spring	1	62		

Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WiTec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WiTec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Material recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities, or the store where you purchased the article.

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