

TS 230/1

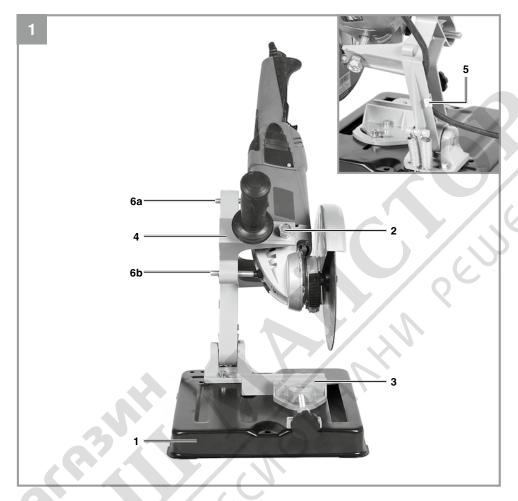


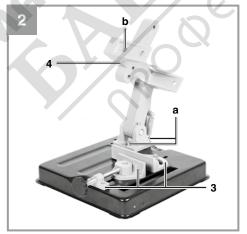
- D Originalbetriebsanleitung
 Trennständer für Winkelschleifer
- GB Original operating instructions
 Cutting Stand for Angle Grinder
- F Instructions d'origine Support de tronçonnage pour meuleuse d'angle
- I Istruzioni per l'uso originali Supporto per smerigliatrice angolare
- DK/ Original betjeningsvejledningN Overskæringsstander til vinkelsli-
- S Original-bruksanvisning Kapstativ för vinkelslip
- CZ Originální návod k obsluze Rozbrušovací stojan pro úhlovou brusku
- SK Originálny návod na obsluhu Rozbrusovací stojan pre uhlovú brúsku

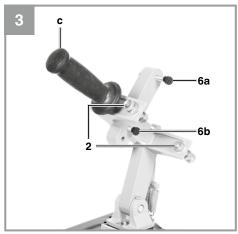
- NL Originele handleiding Snijstandaard voor haakse slijper
- Manual de instrucciones original
 Soporte para amoladora angular
- FIN Alkuperäiskäyttöohje Kulmahiomakoneen katkaisuteline
- RUS Оригинальное руководство по эксплуатации Стойка для разрезания для угловой шлифовальной машинки
- SLO Originalna navodila za uporabo Stojalo za rezanje za kotni brusilnik
- H Eredeti használati utasítás Vágóállvány sarokcsiszolóhoz
- RO Instrucțiuni de utilizare originale Stativ de tăiere pentru polizor unghiular
- GR Πρωτότυπες Οδηγίες χρήσης Βάση για γωνιακό λειαντήρα



Art.-Nr.: 44.310.51 I.-Nr.: 11017



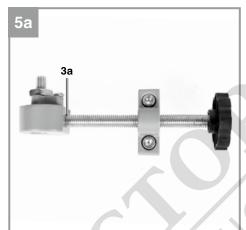


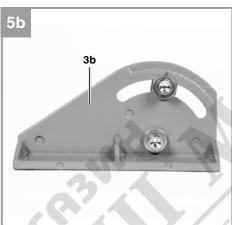


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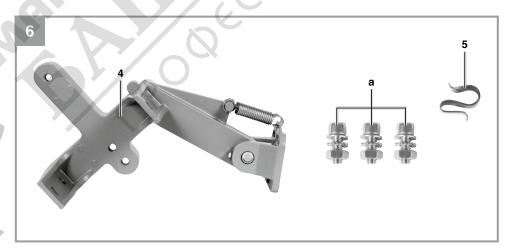
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Danger! - Read the operating instructions to reduce the risk of injury.



Caution! Wear ear-muffs. The impact of noise can cause damage to hearing.



Caution! Wear a breathing mask. Dust which is injurious to health can be generated when working on wood and other materials. Never use the device to work on any materials containing asbestos!



Caution! Wear safety goggles. Sparks generated during working or splinters, chips and dust emitted by the device can cause loss of sight.



Wear protective gloves.



This machine is allowed to be operated by only one person at a time.



Keep your hands away from the machine's moving parts.

Danger!

When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety regulations with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and safety regulations as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety instructions.

1. Safety regulations

Warning!

Read all the safety information, instructions, illustrations and technical data provided on or with this power tool. Failure to adhere to the following instructions may result in electric shock, fire and/or serious injury.

Keep all the safety information and instructions in a safe place for future use.

- 1) Safety information for cutting-off machines
- a) Make sure that you and any other persons in the vicinity are not on a level with the rotating grinding wheel. The safety hood is designed to protect the operator from broken pieces and accidental contact with the cutting-off wheel.
- b) Use only bonded, reinforced or diamondtipped cutting-off wheels on your electric tool. Just because you can attach an accessory to your electric tool does not guarantee that it can be used safely.
- c) The maximum speed of the plug-in tool must be at least as high as the maximum speed specified on the electric tool. Accessories which rotate faster than the permissible speed may break and be catapulted out of the tool.
- d) Grinding/sanding wheels may only be used for the applications for which they are recommended. For example: Never grind with the side of a cutting-off wheel. Cutting-off wheels are designed for removing material with the edge of the wheel. Applying lateral force to these cutting-off wheels can cause them to break.
- Always use undamaged clamping flanges of the correct size and shape for the grin-

- ding/sanding wheel you have selected. Suitable flanges support the grinding/sanding wheel and thus reduce the risk of the grinding/sanding wheel breaking.
- f) The external diameter and thickness of the plug-in tool must comply with the dimension specifications of your electric tool. Plug-in tools of the wrong size cannot be adequately safeguarded or kept under
- g) Grinding wheels and flanges must precisely match the grinding spindle of your electric tool. Plug-in tools which do not fit exactly on the grinding spindle of the electric tool will rotate irregularly, vibrate a great deal and might result in you losing control.
- h) Do not use damaged grinding wheels.
 Check the grinding wheels for signs of splintering and cracks each time before you use them. If the electric tool or grinding wheel is dropped, check whether either is damaged or use an undamaged grinding wheel. When you have checked and fitted the grinding wheel, make sure that you and other persons in the vicinity are not on a level with the rotating grinding wheel and allow the electric tool to run for one minute at maximum speed.
 Damaged grinding wheels will generally break during this test period.
- i) Wear personal protection equipment. Use face guards, eye protection or goggles depending on the application. If reasonable, wear a dust mask, ear protection, safety gloves or special aprons to keep away small abrasive and material particles. The eye protection must protect from flying foreign bodies which might arise during various applications. Dust masks or respiration masks must filter the dust generated by the application. If you are exposed to loud noise for a lengthy period of time, you might suffer hearing loss.
- j) Ensure that others keep a safe distance away from where you are working. Anybody who enters the area must wear personal protection equipment. Pieces of the workpiece or broken plug-in tools might be catapulted into the air and cause injuries even outside the immediate vicinity of where you are working.
- k) Keep the power cable away from rotating plug-in tools. If you lose control of the machine, the cable might become cut or get caught and your hand or arm might be drawn

- against the rotating plug-in tool.
- Clean the air vents on your electric tool at regular intervals. The motor fan draws dust into the housing, and a heavy accumulation of metal dust can pose electric risks.
- m) Never use the electric tool in the vicinity of inflammable materials. Do not use the electric tool if it is standing on a combustible surface such as wood. Sparks might ignite such materials.
- n) Do not use plug-in tools which require liquid coolant. The use of water or other liquid coolants can result in an electric shock.
- 2) Kickbacks and related safety information

A kickback is the sudden reaction to a rotating cutting-off wheel when it becomes caught or jammed. The rotating plug-in tool is stopped abruptly, causing an uncontrolled cutting-off machine to be flung upwards towards the operator.

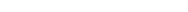
If a cutting-off wheel gets caught or jammed in a workpiece, for example, the edge of the wheel caught inside the workpiece might break off or cause a kickback. Cutting-off wheels can also fracture when this happens.

Kickback is the result of an electric tool being used wrongly. It can be prevented by suitable precautions as described below.

- a) Hold the electric tool securely and move your body and your arms into a position in which you can absorb the force created by a kickback. The operator can handle the kickback and reaction forces by taking suitable precautions.
- Avoid the area in front of and behind the rotating cutting-off wheel. If kickback occurs, the cutting-off machine will be flung upwards towards the operator.
- c) Do not use chain saw blades, wood carving blades, toothed saw blades or segmented diamond cutting wheels with slots wider than 10 mm. These plug-in tools often cause kickback or loss of control of the electric tool.
- d) Avoid blocking the cutting-off wheel or applying excessive contact pressure.
 Do not make any excessively deep cuts.
 Overloading the cutting-off wheel will increase the stress on it and its susceptibility to jam or block and therefore the possibility of kickback or of the grinding wheel breaking.
- e) If the cutting-off wheel jams or if you interrupt your work, switch off the machine and hold it still until the wheel has reached a complete standstill. Never

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- attempt to pull the cutting-off wheel out of the cut while it is still rotating as this might result in kickback. Find and rectify the cause of the jamming.
- f) Do not switch the electric tool on again while it is inside the workpiece. Allow the cutting-off wheel to reach its full speed before you continue to cut with care. Otherwise the wheel might become jammed, jump out of the workpiece or cause a kickback.
- g) Provide support for large workpieces in order to reduce the risk of kickback caused by a jammed cutting-off wheel. Large workpieces might sag under their own weight. The workpiece must be supported on both sides of the wheel both near the cut and also at the edge.
- For your own safety, read and observe this safety information for the cutting stand as well as the safety instructions issued by the manufacturers of the electric tool and cutting-off wheel with regard to cutting.
- The cutting stand must always be securely fastened to a workbench in a horizontal position.
- Keep your workplace clean and well illuminated
- Avoid abnormal working postures. Make sure you stand squarely and keep your balance at all times.
- Never use the machine in the vicinity of inflammable materials, liquids or gases.
- Wear safety goggles, a visor, a breathing mask, an apron, safety shoes, long tight sleeves and gloves.
- Keep children away. Do not allow other persons, particularly children, to touch the tool. Keep them out of your work area.
- Never work without a guard over the cuttingoff wheel or without standard spark protection
- Always leave the safety devices in position and make sure that they are in good working order.
- Always check the cutting-off wheel for cracks or signs of damage. Replace cracked or damaged cutting-off wheels immediately.
- Before starting, make sure that the cutting-off wheel does not touch the workpiece.
- 12. Check in regular intervals that all screws, nuts and bolts are fastened securely enough.
- Make sure that the power cable is a safe distance from the cutting-off wheel and the working area.



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- 14. Do not use the cutting stand with high-performance electric tools that are not suitable for the accessory device.
- 15. Use only cutting-off wheels for metal.
- 16. Make sure that the cutting-off wheel moves vertically to the base plate.
- 17. Secure the workpiece carefully. It has to be securely clamped in a straight position in order to prevent it from moving and skewing while the cut is being made.
- 18. Do not try to cut workpieces which are obviously too big for the cutting stand.
- Make sure that the cutting-off wheel stops completely before you remove the workpiece, clamp in a new workpiece, or adjust the angle.
- Never reach behind or near the cutting-off wheel.
- Never leave an electric tool unattended when it is running. Always switch off your electric tool before leaving it.
- 22. Always pull out the power plug when not in use, before carrying out any maintenance work and before changing the tool.
- Avoid unintentional starting. Make sure that the switch is OFF when inserting the plug in the socket-outlet.
- 24. Never use circular saw blades or ceramic wheels.
- 25. Before starting, make sure that the machine is fastened in the holder securely and properly.
- 26. Never use your hands or any other objects to stop the wheel.
- 27. Do not overload your tool; allow the wheel to work without applying any pressure.
- 28. Check to see if all parts are mounted. In this connection, please read the instructions and particularly the safety information. Never use the machine if it is not fully assembled.
- Use the accessory parts and electric tool for their intended purpose only.
- Check to see if the accessory parts are not damaged. Also make sure that moving parts, clamping devices and safety guards are working correctly.
- Be alert at all times. Concentrate on what you are doing. Use common sense when working. Never use the electric tool when you are distracted.
- The cutting stand is designed for cutting ferrous metals. Do not try to cut wood, brick or other unsuitable materials.
- 33. Do not stand in the cutting direction after a new cutting-off wheel has been fitted. Allow the machine to run for approximately one

- minute before you begin with the cutting. If the cutting-off wheel has an invisible fracture or defect, it will burst in less than one minute.
- 34. Keep your electric tools in a safe place. When equipment is not being used it should be kept in a dry, closed place out of children's reach.
- 35. Wear suitable work clothes. Do not wear loose clothing or jewelry as they may get caught in moving parts. Non-slip shoes are recommended. Wear a hair net if you have long hair.
- 36. Always remove keys and wrenches after use. Before switching on, make sure that all keys and wrenches have been removed from the tool.

2. Layout and items supplied

2.1 Layout

- 1. Base plate
- 2. Fastening screws for angle grinder
- 3. Workpiece clamping device (3a, 3b, 3c)
- 4. Swing arm
- 5. Cable clip
- 6. Adjusting screws for angle grinder

2.2 Items supplied

Please check that the article is complete as specified in the scope of delivery. If parts are missing, please contact our service center or the sales outlet where you made your purchase at the latest within 5 working days after purchasing the product and upon presentation of a valid bill of purchase. Also, refer to the warranty table in the service information at the end of the operating instructions.

- 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.

Danger!

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!

Original operating instructions

3. Proper use

The cutting stand is designed for the cutting of metal using an angle grinder (with a cutting wheel diameter of 230 mm).

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 machine is used in commercial, trade or industrial businesses or for equivalent purposes.

4. Technical data

Cutting-off wheel diameter:	230 mm
Angle grinder max.:	6 kg
Workpiece max.:	50 mm
Weight:	2.94 kg

Keep the noise emissions and vibrations 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.
- Wear protective gloves.

Caution! Residual risks

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

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

5. Before starting the equipment

Before you connect the equipment to the mains supply make sure that the data on the rating plate are identical to the mains data.

Warning

Always pull the power plug before making adjustments to the equipment.

5.1 Assembling the cutting stand (Fig. 2-7)

- Use the three screws (a) to fasten the swing arm (4) on the base plate (1).
- Next fasten the workpiece clamping device
 (3) on the base plate (1).
- Then fit the two adjusting screws for the angle grinder (6) and the two fastening screws for the angle grinder (2) as shown in Fig. 3.
- The stand must always be securely fastened to the workbench. Place the equipment on a sturdy and level surface where it is well illuminated.

5.2 Fitting the angle grinder to the cutting stand

This cutting stand is designed for angle grinders with a wheel diameter of 230 mm. Fit the angle grinder as follows: First turn back the two adjusting screws for the angle grinder (6). Next insert the angle grinder and secure it with the two fastening screws for the angle grinder (2).

Then turn the adjusting screws for the angle grinder (6) in order to secure the body of the angle grinder so that it cannot twist. Finally fasten the angle grinder cable in the cable clip (5) and fit the additional handle of the angle grinder (c) on the swing arm (b)

6. Operation

Once the angle grinder has been secured to the cutting stand you can switch on the angle grinder. Hold the handle of the angle grinder and move the cutting wheel slowly towards the workpiece. When the wheel comes into contact with the workpiece, apply uniform pressure and carry out the cut. Upon completion of the cut, return the angle grinder slowly to its starting position and switch off the angle grinder.

Caution!

Let go of the angle grinder smoothly or it might jerk back to its starting position under tension and cause injuries.

7. Cleaning, maintenance and ordering of spare parts

Danger

Always pull out the mains power plug before starting any cleaning work.

7.1 Cleaning

- 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. The ingress of water into an electric tool increases the risk of an electric shock.

7.2 Maintenance

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

7.3 Ordering replacement parts:

Please quote the following data when ordering replacement parts:

- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required For our latest prices and information please go to www.Einhell-Service.com

8. 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.

9. Storage

Store the equipment and accessories 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.



Warranty certificate

Dear Customer.

All of our products undergo strict quality checks to ensure that they reach you in perfect condition. In the unlikely event that your device develops a fault, please contact our service department at the address shown on this guarantee card. You can also contact us by telephone using the service number shown. Please note the following terms under which guarantee claims can be made:

- These guarantee terms apply to consumers only, i.e. natural persons intending to use this product neither for their commercial activities nor for any other self-employed activities. These warranty terms regulate additional warranty services, which the manufacturer mentioned below promises to buyers of its new products in addition to their statutory rights of guarantee. Your statutory guarantee claims are not affected by this guarantee. Our guarantee is free of charge to you.
- 2. The warranty services cover only defects due to material or manufacturing faults on a product which you have bought from the manufacturer mentioned below and are limited to either the rectification of said defects on the product or the replacement of the product, whichever we prefer. Please note that our devices are not designed for use in commercial, trade or professional applications. A guarantee contract will not be created if the device has been used by commercial, trade or industrial business or has been exposed to similar stresses during the guarantee period.
- 3. The following are not covered by our guarantee:
 - Damage to the device caused by a failure to follow the assembly instructions or due to incorrect installation, a failure to follow the operating instructions (for example connecting it to an incorrect mains voltage or current type) or a failure to follow the maintenance and safety instructions or by exposing the device to abnormal environmental conditions or by lack of care and maintenance.
 - Damage to the device caused by abuse or incorrect use (for example overloading the device or the use or unapproved tools or accessories), ingress of foreign bodies into the device (such as sand, stones or dust, transport damage), the use of force or damage caused by external forces (for example by dropping it).
 - Damage to the device or parts of the device caused by normal or natural wear or tear or by normal use of the device.
- 4. The guarantee is valid for a period of 24 months starting from the purchase date of the device. Guarantee claims should be submitted before the end of the guarantee period within two weeks of the defect being noticed. No guarantee claims will be accepted after the end of the guarantee period. The original guarantee period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the guarantee period, and no new guarantee will become active for the work performed or parts fitted. This also applies if an on-site service is used.
- 5. To make a claim under the guarantee, please register the defective device at: www.Einhell-Service.com. Please keep your bill of purchase or other proof of purchase for the new device. Devices that are returned without proof of purchase or without a rating plate shall not be covered by the guarantee, because appropriate identification will not be possible. If the defect is covered by our guarantee, then the item in question will either be repaired immediately and returned to you or we will send you a new replacement.

Of course, we are also happy offer a chargeable repair service for any defects which are not covered by the scope of this guarantee or for units which are no longer covered. To take advantage of this service, please send the device to our service address.

Also refer to the restrictions of this warranty concerning wear parts, consumables and missing parts as set out in the service information in these operating instructions.