

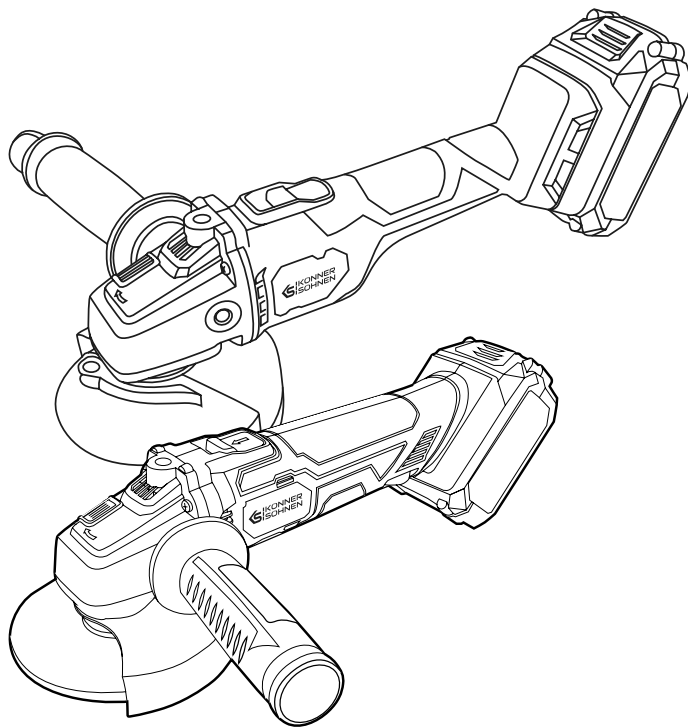
**Please, read this manual  
carefully before use!**

**User Manual**



## **Cordless angle grinder**

**KS AGB20V-125VR**  
**KS AG20V-125VR**





Thank you for choosing **Könnér & Söhnen®** products. This manual contains a brief description of safety, setup and use. More information can be found on the official importer's website in the support section: **[konner-sohnen.com/pages/instructions](http://konner-sohnen.com/pages/instructions)**

You can also go to the support section and download the manual by scanning the QR code or on the website of the official importer of **Könnér & Söhnen®** at **[www.konner-sohnen.com](http://www.konner-sohnen.com)**



*Please, read this manual carefully before use!*

The manufacturer of **Könnér & Söhnen®** products reserves the right to make changes that may not be reflected in this manual, namely:

- The manufacturer reserves the right to make changes in the product design, configuration and construction.
- The images and drawings in this manual are for reference only and may differ from the actual components and inscriptions on the products.

Contact information that you are free to use in case of any problems can be found at the end of this manual. All information in this user manual is up-to-date as of the time of publication. The current list of service centers can be found on the official importer's website at **[www.konner-sohnen.com](http://www.konner-sohnen.com)**



**ATTENTION – DANGER!**



**Failure to follow the recommendations marked with this sign may lead to serious injury or death of the operator or third parties.**



**IMPORTANT!**



**Useful information while operating the machine.**

## IMPORTANT SAFETY INFORMATION

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### GENERAL POWER TOOL SAFETY WARNINGS



**WARNING!**



**Failure to follow these instructions may result in damage to the product, other materials, or the surrounding area.**

### WORK AREA SAFETY

- Keep work area clean and well lit. Clutter or darkness in the work area can cause accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks, which may ignite the dust or fumes.
- Keep children and bystanders away while operating the power tool. Distractions can lead to loss of control over the tool.

### ELECTRICAL SAFETY

- Avoid body contact with grounded surfaces such as pipes, radiators, stoves, and refrigerators. Contact with grounded surfaces increases the risk of electric shock.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

### PERSONAL SAFETY

- Stay alert, watch what you are doing, and use common sense when operating the power tool. Do not use the power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

- Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to a power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on increases the risk of accidents.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overexert yourself. Always maintain your balance. This enables better control of the power tool in unexpected situations.
- Dress appropriately. Do not wear loose clothing or jewellery. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

#### **POWER TOOL USE AND CARE**

- Do not force the power tool to work beyond its limits. Use the appropriate tool for your task. A properly selected tool works more efficiently and safely within the limits it was designed for.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of the reach of children, and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- Keep handles and gripping surfaces dry, clean and free from oil and grease. Slippery handles and gripping surfaces make it difficult to safely control the tool in unexpected situations.

#### **BATTERY TOOL USE AND CARE**

- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When the battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Do not use damaged or modified battery packs or tools. Damaged or modified batteries may behave unpredictably, which can lead to fire, explosion, or injury.
- Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

#### **IMPORTANT SAFETY INSTRUCTIONS FOR BATTERY CARTRIDGE**

- Before using battery cartridge, read all instructions and cautionary markings on battery charger, battery, and product using the battery.
- Do not disassemble the battery cartridge.
- If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.

- If electrolyte gets into your eyes, rinse them out with clean water and seek medical attention right away. It may result in loss of eyesight.
  - Do not short-circuit the battery cartridge:
    1. Do not touch the terminals with any conductive material.
    2. Avoid storing the battery cartridge in a container with other metal objects such as nails, coins, etc.
    3. Do not expose the battery cartridge to water or rain.
- A battery short-circuit can cause a large current flow, overheating, possible burns and even a breakdown.
- Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50 °C (122 °F).
  - Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.
  - Be careful not to drop or strike the battery.
  - Do not use a damaged battery.

#### TIPS FOR MAINTAINING MAXIMUM BATTERY LIFE

- Charge the battery cartridge before it is completely discharged. Always stop tool operation and charge the battery cartridge when you notice a decrease in the tool power.
- Never recharge a fully charged battery cartridge. Overcharging shortens the service life of the battery.
- Charge the battery cartridge at a room temperature of 10 °C – 40 °C (50 °F – 104 °F). Let a hot battery cartridge cool down before charging it.
- Charge the battery cartridge every six months if you do not use it for a long period of time.

#### SERVICE

- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
- Follow instructions for lubricating and changing accessories.
- Keep handles dry, clean and free from oil and grease.
- Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.

## CORDLESS GRINDER SAFETY WARNINGS

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### SAFETY WARNINGS COMMON FOR GRINDING, SANDING, WIRE BRUSHING, OR ABRASIVE CUTTING-OFF OPERATIONS:

1. This power tool is intended to function as a grinder, sander, wire brush or cut-off tool. Read all safety warnings, instructions and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.
2. Operations such as sanding, wire brushing, polishing, hole cutting, or cutting-off are not to be performed with this power tool. Operations for which the power tool was not designed may create a hazard and cause personal injury.
3. Do not use accessories that are not specifically designed and specified by the tool manufacturer. Just because an accessory can be attached to your power tool does not ensure safe operation.
4. The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed may break and fly apart.
5. The outside diameter and thickness of your accessory must be within the capacity rating of your power tool. Incorrectly sized accessories cannot be adequately guarded or controlled.
6. Threaded mounting of accessories must match the grinder spindle thread. For accessories mounted by flanges, the arbour hole of the accessory must fit the locating diameter of the flange. Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.
7. Do not use a damaged accessory. Before each use, inspect accessories such as abrasive wheels for chips and cracks, backing pads for cracks, tears or excessive wear, and wire brushes for loose or cracked wires. If the power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After

inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute. Damaged accessories will normally break apart during this test time.

8. Wear personal protective equipment. Depending on the application, use a face shield, safety goggles, or safety glasses. As appropriate, wear a dust mask, hearing protection, gloves, and workshop aprons capable of stopping small abrasive or work piece fragments. Eye protection must be capable of stopping flying debris generated by various applications. The dust mask or respirator must be capable of filtering particles generated by the particular application. Prolonged exposure to high-intensity noise may cause hearing loss.
9. Keep bystanders at a safe distance from the work area. Anyone entering the work area must wear personal protective equipment. Fragments of the work piece or of a broken accessory may fly and cause injury beyond the immediate area of operation.
10. Hold the power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Contact with a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
11. Never lay the power tool down until the accessory has come to a complete stop. A spinning accessory may grab the surface and pull the power tool out of your control.
12. Do not run the power tool while carrying it at your side. Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.
13. Regularly clean the power tool's air vents. The motor's fan will draw dust inside the housing, and excessive accumulation of powdered metal may cause electrical hazards.
14. Do not operate the power tool near flammable materials. Sparks could ignite these materials.
15. Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.

#### **KICKBACK AND RELATED WARNINGS**

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush, or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory, which in turn causes the uncontrolled power tool to be forced in the direction opposite to the accessory's rotation at the point of the binding.

For example, if an abrasive wheel is snagged or pinched by the work piece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on the direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.

Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

- Maintain a firm grip with both hands on the power tool and position your body and arms to allow you to resist kickback forces. Always use the auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up. The operator can control torque reactions or kickback forces if proper precautions are taken.
- Never place your hand near the rotating accessory. The accessory may kick back over your hand.
- Do not position your body in the area where the power tool will move if kickback occurs. Kickback will propel the tool in the opposite direction of the wheel's movement at the point of snagging.
- Use special care when working in corners, near sharp edges, etc. Avoid bouncing and snagging the accessory. Corners, sharp edges, or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.
- Do not attach a saw chain woodcarving blade, segmented diamond wheel with a peripheral gap greater than 10 mm, or toothed saw blade. Such blades create frequent kickback and loss of control.

#### **SAFETY WARNINGS SPECIFIC FOR GRINDING AND ABRASIVE CUTTING-OFF OPERATIONS**

- Use only wheel types that are recommended for your power tool and the specific guard designed for the selected wheel. Wheels for which the power tool was not designed cannot be adequately guarded and are unsafe.
- The grinding surface of centre depressed wheels must be mounted below the plane of the guard lip. An improperly mounted wheel that projects through the plane of the guard lip cannot be adequately protected.

- The guard must be securely attached to the power tool and positioned for maximum safety, so the least amount of wheel is exposed towards the operator. The guard helps to protect the operator from broken wheel fragments, accidental contact with wheel and sparks that could ignite clothing.
- Wheels must be used only for recommended applications. For example: do not grind with the side of cut-off wheel. Abrasive cut-off wheels are intended for peripheral grinding, side forces applied to these wheels may cause them to shatter.
- Always use undamaged wheel flanges that are of correct size and shape for your selected wheel. Proper wheel flanges support the wheel thus reducing the possibility of wheel breakage. Flanges for cut-off wheels may be different from grinding wheel flanges.
- Do not use worn down wheels from larger power tools. Wheels intended for larger power tool are not suitable for the higher speed of a smaller tool and may burst.

#### **ADDITIONAL SAFETY WARNINGS SPECIFIC FOR ABRASIVE CUTTING-OFF OPERATIONS**

- Do not “jam” the cut-off wheel or apply excessive pressure. Do not attempt to make an excessive depth of cut. Overstressing the wheel increases the loading and susceptibility to twisting or binding of the wheel in the cut and the possibility of kickback or wheel breakage.
- Do not position your body in line with and behind the rotating wheel. When the wheel, at the point of operation, is moving away from your body, the possible kickback may propel the spinning wheel and the power tool directly at you.
- When the wheel is binding or when interrupting a cut for any reason, switch off the power tool and hold the power tool motionless until the wheel comes to a complete stop. Never attempt to remove the cut-off wheel from the cut while the wheel is in motion otherwise kickback may occur. Investigate and take corrective action to eliminate the cause of wheel binding.
- Do not restart the cutting operation in the workpiece. Let the wheel reach full speed and carefully re-enter the cut. The wheel may bind, walk up or kickback if the power tool is restarted in the workpiece.
- Support panels or any oversized workpiece to minimize the risk of wheel pinching and kickback. Large workpieces tend to sag under their own weight. Supports must be placed under the workpiece near the line of cut and near the edge of the workpiece on both sides of the wheel.
- Use extra caution when making a “pocket cut” into existing walls or other blind areas. The protruding wheel may cut gas or water pipes, electrical wiring or objects that can cause kickback.

#### **ADDITIONAL SAFETY WARNINGS SPECIFIC FOR SANDING OPERATIONS**

- Do not use excessively oversized sanding disc paper. Follow manufacturer’s recommendations, when selecting sanding paper. Larger sanding paper extending beyond the sanding pad presents a laceration hazard and may cause snagging, tearing of the disc or kickback.

#### **ADDITIONAL SAFETY WARNINGS SPECIFIC FOR BRUSHING OPERATIONS**

- Be aware that wire bristles are thrown by the brush even during ordinary operation. Do not overstress the wires by applying excessive load to the brush. The wire bristles can easily penetrate light clothing and/or skin.
- If the use of a guard is recommended for wire brushing, do not allow any interference of the wire wheel or brush with the guard. Wire wheel or brush may expand in diameter due to workload and centrifugal forces.

#### **ADDITIONAL SAFETY WARNINGS**

- When using depressed centre grinding wheels, be sure to use only fiberglass-reinforced wheels.
- NEVER USE Stone Cup type wheels with this grinder. This grinder is not designed for these types of wheels and the use of such a product may result in serious personal injury.
- Be careful not to damage the spindle, the flange (especially the installing surface) or the lock nut. Damage to these parts could result in wheel breakage.
- Make sure the wheel is not contacting the workpiece before the switch is turned on.
- Before using the tool on an actual workpiece, let it run for a while. Watch for vibration or wobbling that could indicate poor installation or a poorly balanced wheel.
- Use the specified surface of the wheel to perform the grinding.
- Do not leave the tool running. Operate the tool only when hand-held.
- Do not touch the workpiece immediately after operation; it may be extremely hot and could burn your skin.
- Observe the instructions of the manufacturer for correct mounting and use of wheels. Handle and store wheels with care.

- Do not use separate reducing bushings or adaptors to adapt large hole abrasive wheels.
- Use only flanges specified for this tool.
- For tools intended to be fitted with threaded hole wheel, ensure that the thread in the wheel is long enough to accept the spindle length.
- Check that the workpiece is properly supported.
- Pay attention that the wheel continues to rotate after the tool is switched off.
- Do not use the tool on any materials containing asbestos.
- When using a cut-off wheel, always work with the dust collecting wheel guard required by domestic regulation.
- Cutting discs must not be subjected to any lateral pressure.
- Do not use cloth work gloves during operation. Fibers from cloth gloves may enter the tool, which causes tool breakage.



**WARNING!**



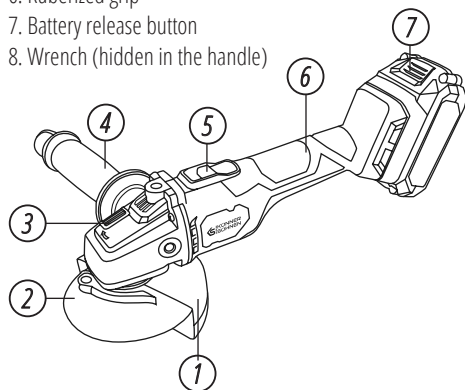
**DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.**

### SYMBOLS

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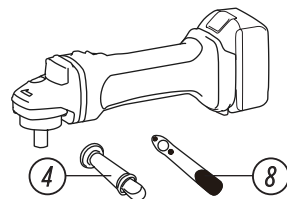
	Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
	Wear personal protective equipment. Basically, wear protective goggles or, even better, face protection, ear protection, safety helmet, cut-protection working clothes, cut-protection safety boots with anti-slip soles.
	Do not use the machine in the rain or leave it outdoors when it is raining.
<b>V</b>	Volts
	Direct current
<b>n<sub>0</sub></b>	No load speed
<b>.../min r/min</b>	Revolutions or reciprocating strokes per minute.
<b>CE</b>	This power tool complies with applicable European directives.
	Electrical appliances must not be disposed of with the domestic waste.

1. Protective guard
2. Grinding disc
3. Tool-free locking system
4. Auxiliary handle
5. Switch button
6. Ruberized grip
7. Battery release button
8. Wrench (hidden in the handle)



**PACKAGE CONTENT LIST**

- 20V Lithium Battery
- Charger for 20V Lithium Battery



wheel guard  
(for cut-off wheel)

inner flange

abrasive cut-off wheel/  
diamond wheel

lock nut



**IMPORTANT!**



The manufacturer reserves the right to make changes and/or improvements to the design, components, and technical specifications without notice or incurring obligation. The pictures in this manual are schematical and may not match the parameters of original product.

SPECIFICATIONS

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Model	KS AGB20V-125VR	KS AG20V-125VR
Rated voltage	DC 20V	DC 20V
Battery and charger	+	+
Wheel diameter	115/125mm	115/125mm
Spindle thread	M14	M14
Motor type	brush motor	brushless motor
Rated speed	2500 – 11500 rpm	2500 – 10000 rpm ±10%
Net dimensions (L×W×H)	315×120×125 mm	320×100×125 mm
Net weight	1,8 kg	1,58 kg



**NOTE!**



The actual vibration and noise level when using tools may differ from the specified maximum value, depending on how the tool is used and the material being processed. It is therefore necessary to determine which safety precautions are required to protect the user, based on an estimate of exposure in actual operating conditions (taking into account all stages of the work cycle, e.g. the time when the tool is switched off and when it is idling, in addition to the start-up time).





**WARNING!**



Always make sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.

### INSTALLING SIDE GRIP (HANDLE)

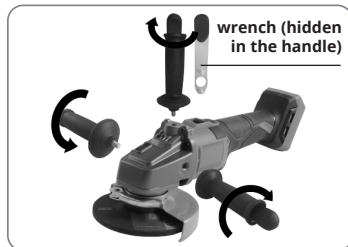
Screw the side grip securely on the position of the tool as shown in the figure.



**WARNING!**



Always be sure that the side grip is installed securely before operation.



### INSTALLING OR REMOVING WHEEL GUARD



**WARNING!**



When using a depressed center wheel or wire wheel brush, the wheel guard must be fitted on the tool so that the closed side of the guard always points toward the operator.



**WARNING!**



When using an abrasive cut-off/diamond wheel, be sure to use only the special wheel guard designed for use with cut-off wheels.

(In some European countries, when using a diamond wheel, the ordinary guard can be used. Follow the regulations in your country).

#### FOR TOOL WITH LOCKING SCREW TYPE WHEEL GUARD (FIG. 1)

Mount the wheel guard with the protrusions on the wheel guard band aligned with the notches on the bearing box. Then rotate the wheel guard to such an angle that it can protect the operator according to work. Be sure to tighten the screw securely.

To remove wheel guard, follow the installation procedure in reverse.

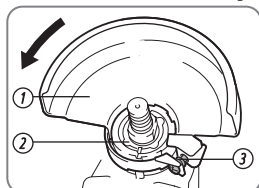
#### FOR TOOL WITH CLAMP LEVER TYPE WHEEL GUARD (FIG. 3)

Loosen the screw, and then pull the lever in the direction of the arrow. Mount the wheel guard with the protrusions on the wheel guard band aligned with the notches on the bearing box. Then rotate the wheel guard to such an angle that it can protect the operator according to work.

Pull the lever in direction of the arrow. Then tighten the wheel guard by fastening the screw. Be sure to tighten the screw securely. The setting angle of the wheel guard can be adjusted with the lever.

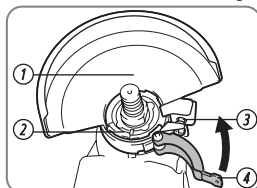
To remove wheel guard, follow the installation procedure in reverse (fig. 2).

Fig. 1



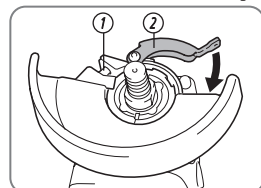
1. Wheel guard 2. Bearing box  
3. Screw

Fig. 2



1. Wheel guard 2. Bearing box  
3. Screw 4. Lever

Fig. 3



1. Screw 2. Lever

## INSTALLING OR REMOVING DEPRESSED CENTER WHEEL OR FLAP DISC

Optional accessory



**WARNING!**



When using a depressed center wheel or flap disc, the wheel guard must be fitted on the tool so that the closed side of the guard always points toward the operator.



**WARNING!**



Make sure that the mounting part of the inner flange fits into the inner diameter of the depressed center wheel/flap disc perfectly. Mounting the inner flange on the wrong side may result in the dangerous vibration.

Mount the inner flange onto the spindle. Make sure to fit the dented part of the inner flange onto the straight part at the bottom of the spindle. Fit the depressed center wheel / flap disc on the inner flange and screw the lock nut onto the spindle.

To tighten the lock nut, press the shaft lock firmly so that the spindle cannot revolve, then use the lock nut wrench and securely tighten clockwise.

To remove the wheel, follow the installation procedure in reverse.

## INSTALLING OR REMOVING ABRASIVE DISC (FIG. 6)

Optional accessory



**WARNING!**



Always use supplied guard when flex wheel is on the tool. Wheel can shatter during use and guard helps to reduce chances of personal injury.

Follow instructions for depressed abrasive disc.

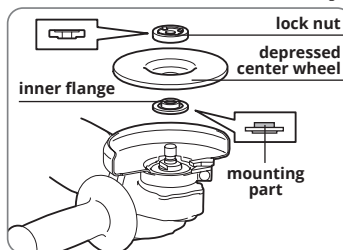


Fig. 4

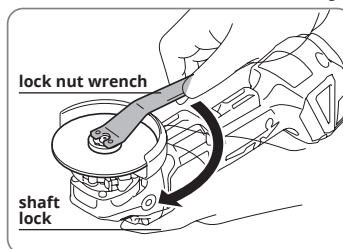


Fig. 5

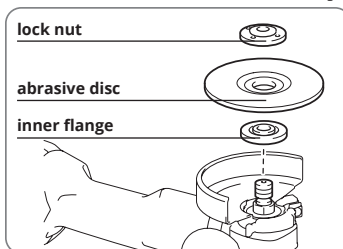


Fig. 6

## FUNCTIONAL DESCRIPTION

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**WARNING!**



Always make sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.

## INSTALLATION AND REMOVAL OF THE BATTERY



**ATTENTION - DANGER!**



Make sure the battery is properly installed. If it is not securely fixed, it may cause injury.



**WARNING!**



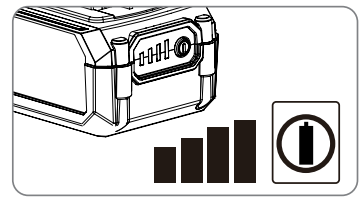
Do not use force to attach the battery. If it is not easy to attach, it is not correctly aligned.

**To attach the battery**

1. Align the battery to the slots in the casing.
2. Push the battery in until it clicks into place.

**To remove the battery**

1. Press the button on the front of the battery.
2. Pull the battery out from the battery port.

**BATTERY CHARGE LEVEL INDICATOR**

Press the check button on the battery cartridge to display the remaining battery capacity. The indicator lights will illuminate for a few seconds.

Indicator lamps			Remaining capacity
Lighted ■	Off □	Blinking ▽	
	■ ■ ■ ■		75% to 100%
	■ ■ ■ □		50% to 75%
	■ ■ □ □		25% to 50%
	■ □ □ □		0% to 25%
	▽ □ □ □		Charge the battery

**NOTE**

Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.

**TOOL / BATTERY PROTECTION SYSTEM**

The tool is equipped with a tool/battery protection system. This system automatically cuts off power to the motor to extend the life of the tool and battery. The tool will automatically stop during operation if any of the following conditions occur with the tool or battery:

**Overload protection.** If the tool consumes too much current, it automatically shuts down. In this case, turn the tool off and stop the operation that caused the tool to become overloaded. Then turn the tool on to restart.

**Overheat protection.** When the tool/battery is overheated, the tool stops automatically. In this situation, let the tool/battery cool down before turning the tool on again.

**Overdischarge protection.** When the battery capacity is not enough, the tool stops automatically. In this case, remove the battery and recharge it.

**RELEASING PROTECTION LOCK**

When the protection system works repeatedly, the tool is locked and the machine cannot work.

In this situation, the tool does not start even if turning the tool off and on. To release the protection lock, remove the battery, reinsert it into the machine and turn on the machine.

**SHAFT LOCK**

Press the shaft lock to prevent spindle rotation when installing or removing accessories.

**Notice:** Never activate the shaft lock when the spindle is moving. The tool may be damaged.



Fig. 7

## SWITCH ACTION



**WARNING!**



**Before installing the battery cartridge into the tool, always check to see that the switch lever actuates properly and returns to the "OFF" position when released.**



**WARNING!**

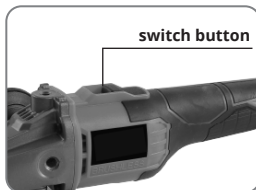


**Do not pull the switch lever hard without pulling the lock-off lever. This can cause switch breakage.**

To start the tool, pull the switch lever.

To stop the tool, release the switch lever.

Use the speed adjusting wheel to adjust the speed. The speed is 2500 – 10000(11500) rpm from "1" to "6".



## OPERATION

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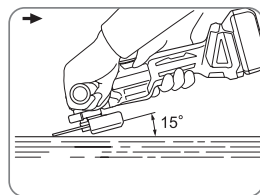
- It should never be necessary to force the tool. The weight of the tool applies adequate pressure. Forcing and excessive pressure could cause dangerous wheel breakage.
- ALWAYS replace the wheel if tool is dropped while grinding.
- NEVER bang or hit a grinding disc or wheel onto work.
- Avoid bouncing and snagging the wheel, especially when working on corners, sharp edges etc. This can cause loss of control and kickback.
- NEVER use tool with wood cutting blades and other saw blades. Such blades when used on a grinder frequently kick and cause loss of control leading to personal injury.
- Never switch on the tool when it is in contact with the workpiece, it may cause an injury to operator.
- Always wear safety goggles or a face shield during operation.
- After operation, always switch off the tool and wait until the wheel has come to a complete stop before putting the tool down.

### GRINDING AND SANDING OPERATION

Turn the tool on and then apply the wheel or disc to the workpiece.

In general, keep the edge of the wheel or disc at an angle of about 15° to the workpiece surface.

During the break-in period with a new wheel, do not work the grinder in the forward direction or it may cut into the workpiece. Once the edge of the wheel has been rounded off by use, the wheel may be worked in both the forward and backward directions.



### OPERATION WITH ABRASIVE CUT-OFF/DIAMOND WHEEL

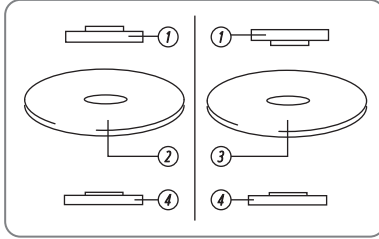
#### Optional accessory

- When using an abrasive cut-off/diamond wheels, be sure to use only the special wheel guard designed for use with cut-off wheels.
- NEVER use cut-off wheels for side grinding.
- Do not "jam" the wheel or apply excessive pressure. Do not attempt to make an excessive depth of cut. Overstressing the wheel increases the loading and susceptibility to twisting or binding of the wheel in the cut and the possibility of kickback, wheel breakage and overheating of the motor may occur.
- Do not start the cutting operation in the workpiece. Let the wheel reach full speed and carefully enter into the cut moving the tool forward over the workpiece surface. The wheel may bind, walk up or kick back if the power tool is started in the workpiece.

- During cutting operations, never change the angle of the wheel. Placing side pressure on the cut-off wheel (as in grinding) will cause the wheel to crack and break, causing serious personal injury.
- A diamond wheel shall be operated perpendicular to the material being cut.

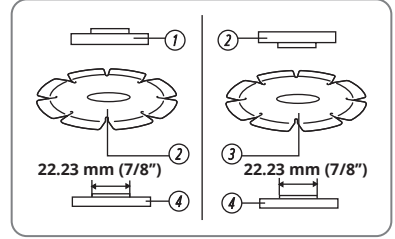
For installation, follow the instructions for the depressed center wheel. The direction for mounting the lock nut and the inner flange varies by wheel type and thickness. Refer to the following figures.

**WHEN INSTALLING THE ABRASIVE CUT-OFF WHEEL**



1. Lock nut
2. Abrasive cut-off wheel (thinner than 4 mm (5/32"))
3. Abrasive cut-off wheel (4 mm (5/32") or thicker)
4. Inner flange

**WHEN INSTALLING THE DIAMOND WHEEL**



1. Lock nut
2. Diamond wheel (thinner than 4 mm (5/32"))
3. Diamond wheel (4mm (5/32) or thicker)
4. Inner flange

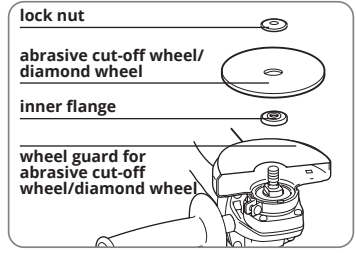


Fig. 8

**MAINTENANCE AND STORAGE**

9



**ATTENTION – DANGER!**



**Stop the product and disconnect the power supply before you do maintenance.**



**WARNING!**



**To prevent damage to the surface of the product, do not use harsh detergents or abrasive cleaners.**

**STORAGE**

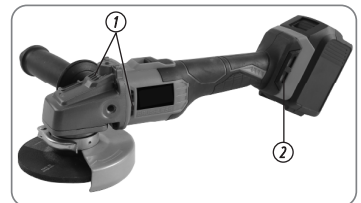
- If the device is not going to be used for an extended period, remove the battery and store the device in a clean, dry place, out of reach of children and pets.
- Do not keep the product stored where the ambient temperature is less than 0 °C or more than 40 °C.

**TRANSPORT**

- Let the product come to a complete stop, become cool and remove the battery before you move the product.
- Use the handle when you lift or move the product.

**AIR VENT CLEANING**

- The tool and its air vents have to be kept clean.
- Regularly clean the tool's air vents or whenever the vents start to become obstructed.



1. Exhaust vent
2. Inhalation vent

## DISPOSAL

Make sure to follow local regulations when disposing of the product. Electrical appliances must not be disposed of with the domestic waste.



## SERVICING



**WARNING!**



**Only approved personnel must do repairs on the product.**

The power tool must only be serviced by qualified personnel using identical spare parts. This will ensure that the power tool remains safe to use.

## WARRANTY SERVICE TERMS

**10**

Könnér & Söhnen warrants the original purchaser of **power tools and battery powered and electric garden tools to 2 year** limited warranty, excluding Lithium-ion batteries that come in a set. Lithium-ion batteries which come in a set with power/garden tools or sold separately are covered with it's own warranty, described below.

- The warranty for **lithium-ion batteries is 2 years**, provided the product is registered on the website of the official importer **<https://warranty.konner-sohnen.com>** within 30 days of purchase. Without registration, the warranty is 1 year.
- The warranty for **brushless motors is 5 years**, provided the product is registered on the official importer's website **<https://warranty.konner-sohnen.com>** within 30 days of purchase. Without registration, the warranty is 2 years.



**WARRANTY  
REGISTRATION**



# EC Declaration of Conformity

Nr. 247

The following products have been tested by us with the listed standards and found in compliance with the European Community Machinery Directive 2006/42/EC, Electromagnetic compatibility Directive (EMC) 2014/30/EC.

Manufacturer: DIMAX INTERNATIONAL GmbH  
Address: Flinger Broich 203, 40235 Duesseldorf, Germany  
Product: Cordless angle grinder "Könner & Söhnen"  
Type / Model: KS AG20V-125VR

The statement is based on a single evaluation of above mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo. The manufacturer should ensure that all product in series production are in conformity with the product sample detailed in this report. The applicant should hold the whole technical report at disposal of the competent all the right.

Applied EC Directives: 2006/42/EC Machinery Directive  
2014/30/EC Electromagnetic compatibility Directive

Applied Standards: EN IEC 55014-1:2021  
EN IEC 55014-2:2021  
EN ISO 12100: 2010  
EN 60745-1: 2009+A11  
EN 60745-2-3: 2011+A2+A11+A12+A13

## 2000/14/EC\_2005/88/EC Annex VI

For model KS AG20V-125VR noise guaranteed Lwa= 84 dB (A)



**Issued Date:** 2025-08-18  
**Place of issue:** Duesseldorf  
**Director:** Fomin P.

*P. Fomin*

## DIMAX

International GmbH  
Flinger Broich 203 40235 Düsseldorf  
USt-ID DE296177274  
koenner-soehnen.com

We DIMAX INTERNATIONAL GmbH hereby declare that specified above conforms covering European Parliament and Council Directives, 2006/42/EC of 17 May 2006 Machinery Directive, Electromagnetic compatibility Directive (EMC) 2014/30/EC of 26 February 2014. The CE mark above can be used under the responsibility of manufacturer. After completion of an EC declaration of Conformity and compliance with all relevant EC directives.



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Type / Model: KS AGB20V-125VR

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Applied EC Directives: 2006/42/EC Machinery Directive  
2014/30/EC Electromagnetic compatibility Directive

Applied Standards: EN IEC 55014-1:2021  
EN IEC 55014-2:2021  
EN 62841-1:2015+A11  
EN IEC 62841-2-3:2021+A11  
IEC 62841-2-3:2020  
IEC 62841-1:2014

## 2000/14/EC\_2005/88/EC Annex VI

For model KS AGB20V-125VR noise guaranteed Lwa= 94 dB (A)



25

**Issued Date:** 2025-08-15  
**Place of issue:** Duesseldorf  
**Director:** Fomin P.

*P. Fomin*

## DIMAX

International GmbH  
Flinger Broich 203 40235 Düsseldorf  
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[www.konner-sohnen.com](http://www.konner-sohnen.com)

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