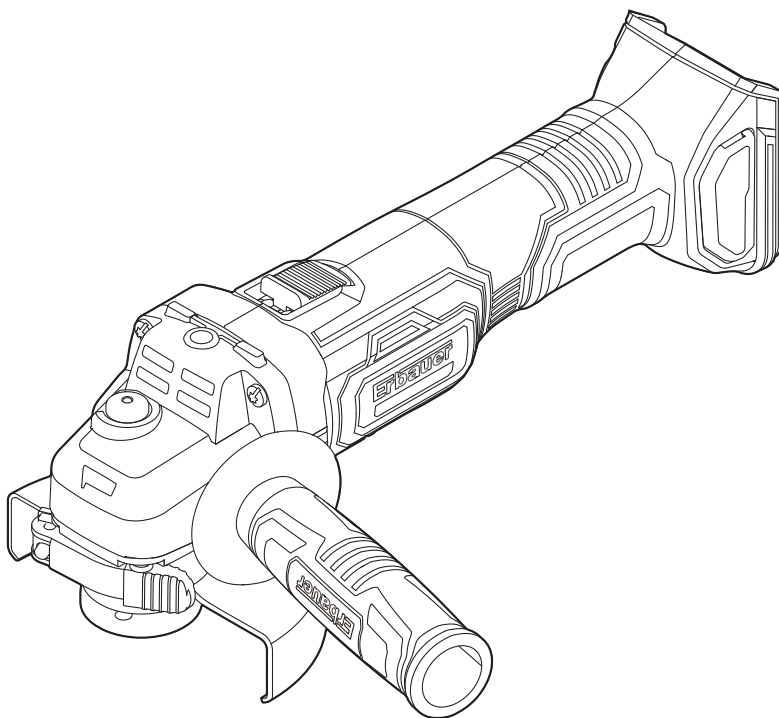




**Erbauer**



MNL\_EAG18-Li\_V01\_180608

EAN. 3663602799191

# EAG18-Li

ORIGINAL INSTRUCTIONS

EN



Safety instructions



Product description



Assembly



Use



+



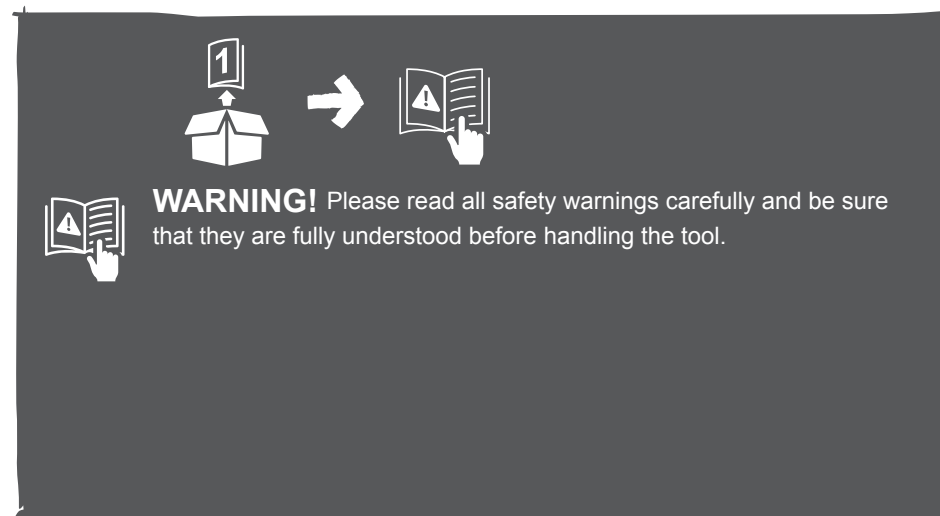
Care & maintenance



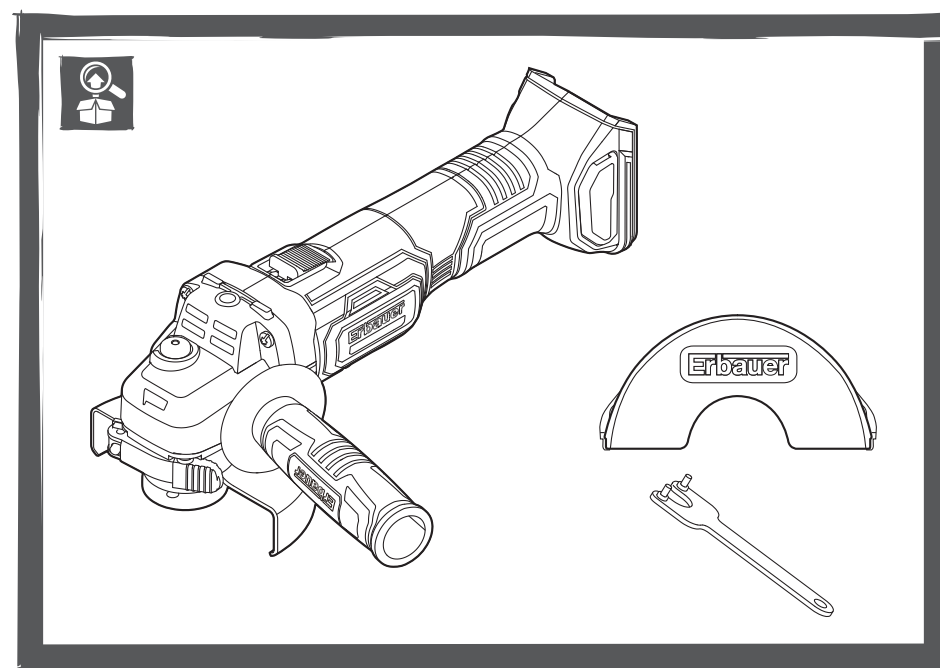
Guarantee



Declaration of Conformity

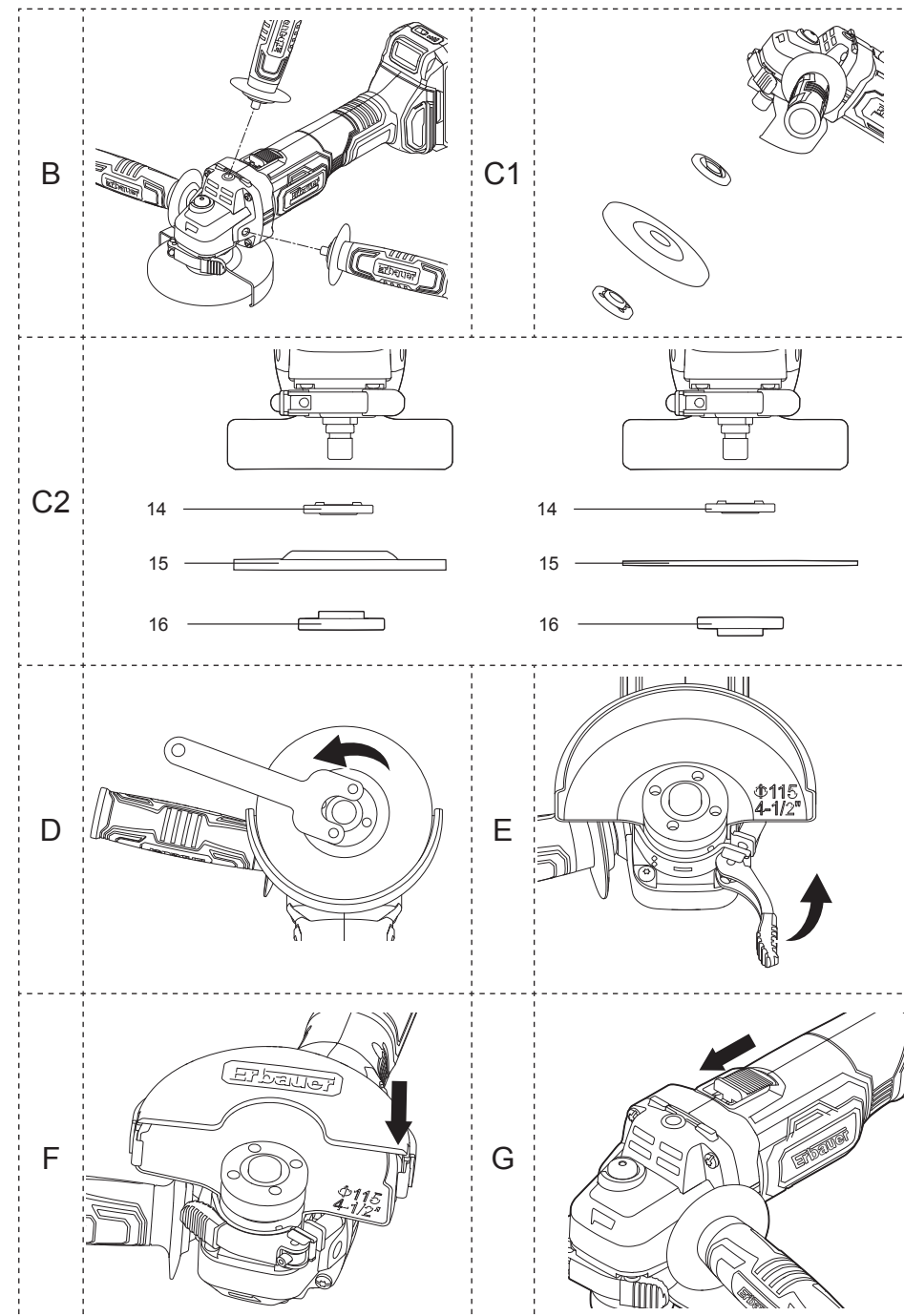
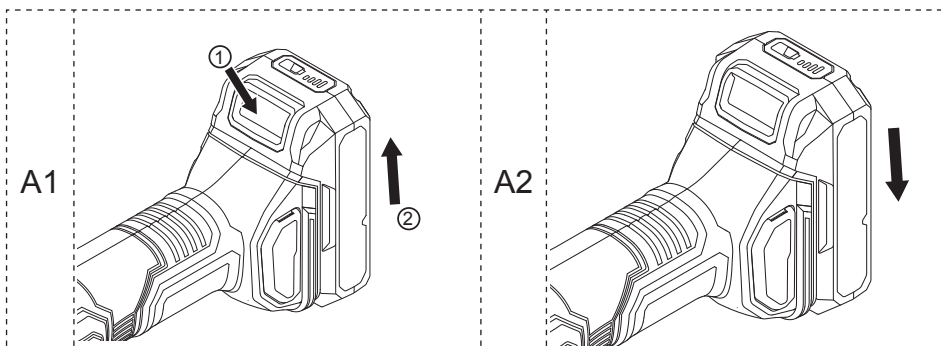
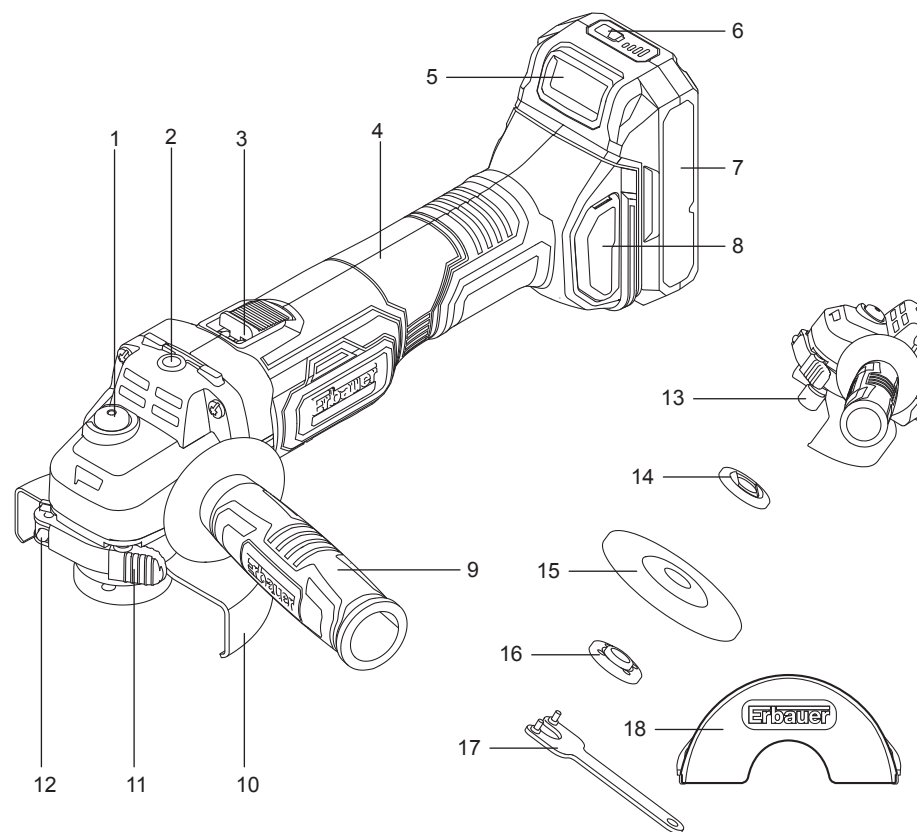


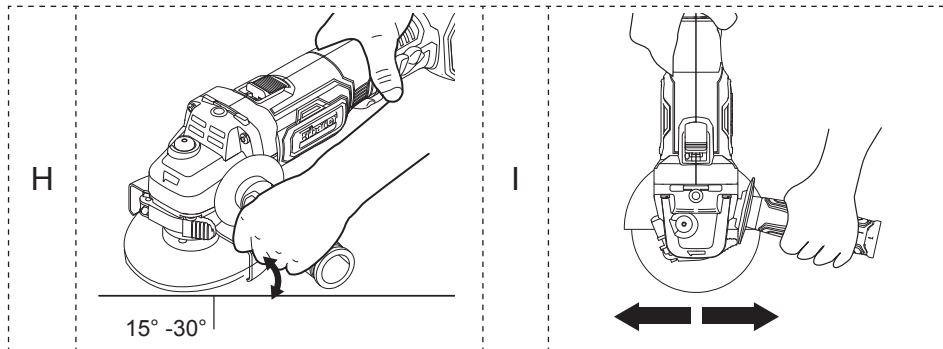
**WARNING!** Please read all safety warnings carefully and be sure that they are fully understood before handling the tool.





## PRODUCT DESCRIPTION





## SAFETY INSTRUCTIONS

### GENERAL POWER TOOL SAFETY WARNINGS



**WARNING!** Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below 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 your mains-operated (corded) power tool or battery operated (cordless) power tool.”

### WORK AREA SAFETY

- Keep work area clean and well lit.** Cluttered or dark areas invite 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 a power tool.** Distractions can cause you to lose control.

### ELECTRICAL SAFETY

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.

- c. **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- d. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
- e. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f. **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

- a. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a 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.*
- b. **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.*
- c. **Prevent unintentional starting. Ensure the switch is in the off- position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*
- d. **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.*
- e. **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*

- f. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing away from moving parts.** *Loose clothes, jewellery or longhair can be caught in moving parts.*
- g. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*
- h. **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

## POWER TOOL USE AND CARE

- a. **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b. **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.*
- c. **Disconnect the plug from the power source and/or remove the battery pack, if detachable, 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.*
- d. **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.*
- e. **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*

- f. **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g. **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.*
- h. **Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

#### BATTERY TOOL USE AND CARE

- a. **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.*
- b. **Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
- c. **When 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.*
- d. **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** *Liquid ejected from the battery may cause irritation or burns.*
- e. **Do not use battery pack or tool that is damaged or modified.** *Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.*

- f. **Do not expose a battery pack or tool to fire or excessive temperature.** *Exposure to fire or temperature above 130 °C may cause explosion.*
- g. **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.*

#### SERVICE

- a. **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.*
- b. **Never service damaged battery packs.** *Service of battery packs should only be performed by the manufacturer or authorized service providers.*

#### ADDITIONAL SAFETY INSTRUCTIONS FOR YOUR ANGLE GRINDER:

#### SAFETY WARNINGS COMMON FOR GRINDING OR ABRASIVE CUTTING-OFF OPERATIONS:

- a. **This power tool is intended to function as a grinder or cutoff tool.** *Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*
- b. **Operations such as sanding, wire brushing, polishing are not recommended to be performed with this power tool.** *Operations for which the power tool was not designed may create a hazard and cause personal injury.*
- c. **Do not use accessories which are not specifically designed and recommended by the tool manufacturer.** *Just because the accessory can be attached to your power tool, it does not assure safe operation.*



- d** 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 can break and fly apart.*
- e** The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool. *Incorrectly sized accessories cannot be adequately guarded or controlled.*
- f** 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.*
- g** Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear. If 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.*
- h** Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments. *The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.*

- i** Keep bystanders a safe distance away from work area. *Anyone entering the work area must wear personal protective equipment. Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.*
- j** Hold power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring. *Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.*
- k** Position the cord clear of the spinning accessory. *If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.*
- l** Never lay the power tool down until the accessory has come to a complete stop. *The spinning accessory may grab the surface and pull the power tool out of your control.*
- m** 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.*
- n** Regularly clean the power tool's air vents. *The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.*
- o** Do not operate the power tool near flammable materials. *Sparks could ignite these materials.*
- p** 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 of the accessory's rotation at the point of the binding. For example, if an abrasive wheel is snagged or pinched by the workpiece, 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 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.*

- a Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use 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.*
- b Never place your hand near the rotating accessory.** *Accessory may kickback over your hand.*
- c Do not position your body in the area where power tool will move if kick- back occurs.** *Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.*
- d Use special care when working corners, 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.*
- e Do not attach a saw chain woodcarving blade or toothed saw blade.** *Such blades create frequent kickback and loss of control.*

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

- a 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.*
- b 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.*
- c 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 operator from broken wheel fragments, accidental contact with wheel and sparks that could ignite clothing.*
- d 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.*
- e 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.*
- f Do not use worn down wheels from larger power tools.** *Wheel intended for larger power tool is not suitable for the higher speed of a smaller tool and may burst.*

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

- a 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.*



- b 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.*
- c When 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.*
- d 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.*
- e 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.*
- f 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 FOR BATTERY**

- a. Do not connect the positive terminal and negative terminal of the battery to each other with any metal object (such as wire).*
- b. Do not carry or store battery together with necklaces, hairpins or other metal objects.*
- c. Do not pierce the battery with nails, strike the battery with a hammer, step on the battery or otherwise subject it to strong impacts or shocks.*
- d. Do not solder directly onto the battery.*

- e. Do not expose battery to water or salt water, or allow the battery to get wet.*
- f. Do not disassemble or modify the battery.*
- g. Do not place the battery in or near fire, on stoves or other high temperature locations. Do not place the battery in direct sunlight, or use or store the battery inside cars in hot weather.*
- h. Do not place the battery in microwave ovens, high-pressure containers or on induction cookware.*
- i. If you intend to store a battery for a period without use then store battery at room temperature (19°C to 25°C), charged to about 30 – 50% of capacity. When storing for very long periods boost charge the battery once per year to prevent over discharge.*

The following information applies to professional users only but is good practice for all users:

#### **ADDITIONAL SAFETY WARNING FOR CONSTRUCTION DUST**

The updated Control of Substances Hazardous to Health Regulations 1st October 2012 now also targets to reduce the risks associated with silica, wood and gypsumdusts. Construction workers are one of the at-risk groups within this because of the dust that they breathe: silica dust is not just a nuisance; it is a real risk to your lungs!

Silica is a natural mineral present in large amounts in things like sand, sandstone and granite. It is also commonly found in many construction materials such as concrete and mortar. The silica is broken into very fine dust (also known as Respirable Crystalline Silica or RCS) during many common tasks such as cutting, drilling and grinding. Breathing in very fine particles of crystalline silica can lead to the development of: Lung cancer Silicosis Chronic Obstructive Pulmonary Disorder/Chronic obstructive pulmonary disease (COPD) And breathing in fine particles of wood dust can lead to the development of Asthma. The risk of lung disease is linked to people who regularly breathe construction dust over a period of time, not on the odd occasion.

To protect the lung, the COSHH Regulations sets a limit on the amount of these dusts that you can breathe (called a Workplace Exposure Limit or WEL) when averaged over a normal working day. These limits are not a large amount of dust: when compared to a penny it is tiny – like a small pinch of salt: This limit is the legal maximum; the most you can breathe after the right controls have been used.

### HOW TO REDUCE THE AMOUNT OF DUST?

1. Reduce the amount of cutting by using the best sizes of building products. Use a less powerful tool e.g. a block cutter instead of angle grinder.
2. Using a different method of work altogether – e.g. using a nail gun to direct fasten cable trays instead of drilling holes first.
3. Please always work with approved safety equipment, such as those dust masks that specially designed to filter out microscopic particles and use the dust extraction facility at all time.

For more information please see the HSE website: <http://www.hse.gov.uk/construction> or <http://www.hse.gov.uk/pubns/cis69.pdf>



**WARNING!** Some dust particles created by power sanding, sawing, grinding, drill and other construction jobs contain chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks and cement and other masonry products.
- Arsenic and chromium from chemically treated timber.
- Your risk from these exposures varies, depending upon how often you do this type of work. To reduce your exposure to these chemicals:
- Work in a well-ventilated area.
- Work with approved safety equipment, such as those dust masks that are specially designed to filter microscopic particles

### VIBRATION

The European Physical Agents (Vibration) Directive has been brought in to help reduce hand arm vibration syndrome injuries to power tool users. The directive requires power tool manufacturers and suppliers to provide indicative vibration test results to enable users to make informed decisions as to the period of time a power tool can be used safely on a daily basis and the choice of tool.

### SEE TECHNICAL SPECIFICATIONS IN THE INSTRUCTION MANUAL FOR THE VIBRATION LEVELS OF YOUR TOOL.

The declared vibration emission value should be used as a minimum level and should be used with the current guidance on vibration.

Calculating the actual period of use can be difficult and the HSE website has further information.

The declared vibration emission been measured in accordance with EN60745-1,EN60745-2-3 and may be used to compare one tool with another tool. The declared vibration emission value may also be used in preliminary assessment of exposure.



**WARNING!** The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used dependant on the following examples and other variations on how the tool is used:

- How the tool is used and the materials being cut or drilled.
- The tool being in good condition and well maintained.
- Use the correct accessories for the tool and ensure they are sharp and in good condition.
- The tightness of the grip on the handles.
- The tool is being used as intended by its design and these instructions.



**WARNING!** Identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

While working with this power tool, hand/arm vibrations occur. Adopt the correct working practices in order to reduce the exposure to vibration. This tool may cause hand-arm vibration syndrome if its use is not adequately managed.

Helping to minimise your vibration exposure risk. ALWAYS use sharp chisels, drills and blades. Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).

Avoid using tools in temperatures of 10°C or less. Plan your work schedule to spread any high vibration tool use across a number of days.



**NOTE:** The use of other tools will reduce the users' total working period on this tool.

## HEALTH SURVEILLANCE

All employees should be part of an employer's health surveillance scheme to help identify any vibration related diseases at an early stage, prevent disease progression and help employees stay in work.

## RESIDUAL RISKS

**Even if you are operating this product in accordance with all the safety requirements, potential risks of injury and damage remain. The following dangers can arise in connection with the structure and design of this product:**

1. Injuries and damage to property due to broken attachments or the sudden impact of hidden objects during use.
2. Danger of injury and property damage caused by flying objects or poor power tool accessories.



## PRODUCT DESCRIPTION

- |                                |   |
|--------------------------------|---|
| 1. Spindle lock button         | 10. Grinding safety guard                 |
| 2. Mounting threads (×3)       | 11. Guard clamping lever                  |
| 3. ON /OFF switch              | 12. Clamp adjustment screw                |
| 4. Gripping surface            | 13. Spindle                               |
| 5. Battery pack release button | 14. Inner flange                          |
| 6. Power bar button            | 15. Grinding/Cutting wheel (not included) |
| 7. Battery pack (not included) | 16. Outer flange                          |
| 8. Filter cover (×2)           | 17. Spanner                               |
| 9. Auxiliary handle            | 18. Cutting safety guard                  |

## 01 TECHNICAL SPECIFICATIONS

Rated voltage:	18V d.c.
Rated speed n:	8500/min
Spindle thread	M14
Maximum wheel diameter	Ø115mm(4 1/2")
Maximum thickness of grinding wheel	6mm
Wheel bore	Ø22.23mm
Weight (without battery):	1.8 kg
Ambient temperature range for tool and battery use:	-10°C to 40°C

### For use with battery pack and charger as below:

Battery pack model: EBAT18-Li-2 / EBAT18-Li-4 / EBAT18-Li-5

Charger model: EC18-Li / EFC18-Li / EMC18-Li

### NOISE DATA

A weighted sound pressure:	$L_{pA}$ : 82.0dB (A)
A weighted sound power:	$L_{wA}$ : 93.0dB (A)
Uncertainty:	$K_{pA}$ & $K_{wA}$ =3.0dB(A)

The noise for the operator may exceed 80 dB(A) and ear protection measures are necessary.

### VIBRATION DATA

Surface grinding	$a_{h,AG}$ =2.8m/s <sup>2</sup>
Uncertainty	K =1.5m/s <sup>2</sup>

## RATING LABEL EXPLANATION

EAG18-Li=MODEL NUMBER

E=Erbauer

AG=Angle Grinder

18 = 18V d.c.

Li = LITHIUM ION



## ASSEMBLY

### 01 SYMBOLS



Read the instruction manual



Wear eye protection



Wear hearing protection.



Wear a dust mask.



Do not dispose of battery packs in rivers or immerse in water.



Do not dispose of battery packs in fire. They will explode and cause injury.



Do not expose battery packs to heat in excess of 40°C



Brushless motor



Keep Cool Battery Technology

yyWxx

Manufacturing date code: Year of manufacturing (20yy) and week of manufacturing (Wxx)

### 02 UNPACKING

Unpack all parts and lay them on a flat, stable surface.

- Remove all packing materials and shipping devices, if applicable.
- Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage do not use the product but contact your dealer. Using an incomplete or damaged product represents a hazard to people and property.
- Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment



**WARNING!** The product and the packaging are not children's toys! Children must not play with plastic bags, sheets and small parts! There is a danger of choking and suffocation!

### 03 ASSEMBLING THE MACHINE

#### CHARGING YOUR BATTERY PACK

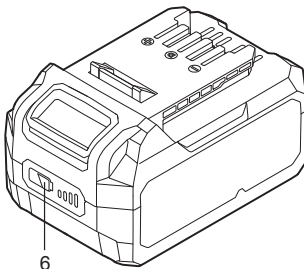





The battery has been shipped in a low charge condition. Charge it fully before first use. Refer to the charger instruction manual for the details.

#### TO REMOVE OR INSTALL THE BATTERY PACK (A1, A2)

Depress the battery pack release button to release and slide the battery pack out from your tool. After recharge, slide it back into your tool. A simple push and slight pressure will be sufficient.

#### BATTERY PACK POWER BAR

This Li-Ion battery pack (7) is equipped with a POWER BAR which is used to give an indication of the battery pack's remaining charge. Press the POWER BAR button (6) to check battery charge as below. The LED will stay lit for approximately 5 seconds.

	76-100% Charge	
	51-75% Charge	
	26-50% Charge	
	5-25% Charge	
	under 5% Charge	

6

Flash

On

Off



## AUXILIARY HANDLE ( B ).

For all work with the machine, the auxiliary handle (9) must be mounted. Screw the auxiliary handle (9) in one of the mounting threads (2) of the machine head depending on the working method.



**WARNING!** Do not make any alterations to the auxiliary handle. Do not continue to use an auxiliary handle if it is damaged

## MOUNTING THE GRINDING/CUTTING WHEELS

Before any work on the machine itself, remove the battery pack.

Grinding and cutting wheels become very hot while working; do not touch until they have cooled.

### 1. Spindle lock button

Clean the grinder spindle and all parts to be mounted. For clamping and loosening the wheels, lock the grinder spindle (13) with the spindle lock button (1).



**WARNING!** Actuate the spindle lock button (1) only when the grinder spindle is at a standstill!

### 2. Adjustable outer flange clamping ( C1, C2 ).

The outer flange (16) should be adjusted to suit different wheel thickness. For thinner cutting or diamond discs the raised part of the outer flange is fitted facing away from the disc. For thicker grinding wheels the raised part of the outer flange is fitted facing towards the wheel to provide improved support for the wheel hole. Always ensure your wheel is securely clamped.

### 3. Grinding/Cutting wheel ( D ).

Pay attention to the dimensions of the grinding/cutting wheel. The mounting hole diameter must fit the inner flange (14) without play. Do not use reducers or adapters.

When using a diamond cutting disc, take care that the direction-of-rotation arrow on the diamond cutting disc and the direction of rotation of the machine (direction-of rotation arrow on the machine head) agree

Screw on the outer flange (16) and tighten with the two-pin spanner (17).

## ADJUSTING THE SAFETY GUARD ( E ).

For work with grinding or cutting wheels, the safety guard must be mounted.

Open the clamping lever (11). Place the safety guard (10) with coded projection into the coded groove on the spindle of the machine head and rotate to the required position (working position).

To fasten the safety guard (10), close the clamping lever and loosen the clamp adjustment screw (12), if necessary. The closed side of the safety guard (10) must always point to the operator.



**NOTE:** With the clamping lever (11) open the clamp adjustment screw (12) can be adjusted to ensure the guard is securely clamped after the clamping lever (11) is finally closed.

## WHEEL GUARD FOR CUTTING ( F ).



**WARNING!** For cutting metal, always work with the wheel guard for cutting. For grinding, always work with the wheel guard for grinding.

For cutting-off application, position the front cover with the closed side on the grinding guard and push it on until it engages.



## USE

### 01 INTENDED USE

The machine is intended for cutting and grinding metal and stone materials without using water. For cutting, a special safety guard for cutting (accessory) must be used.

### 02 OPERATION

#### OPERATING INSTRUCTIONS

- Clamp the workpiece if it does not remain stationary due to its own weight.
- Do not strain the machine so heavily that it comes to a standstill.
- Grinding and cutting wheels become very hot while working; do not touch until they have cooled.

#### STARTING OPERATION (G)

To start the power tool, press the rear of the on/off switch (3) and push forwards.

To lock the on/off switch, press the on/off switch down at the front until it engages.

To switch off the power tool, release the on/off switch or, if it is locked, briefly push down the back of the on/off switch and then release it.

#### 1. Hand grip areas

Always hold your angle grinder firmly with both hands when operating (H).

#### 2. Grinding (H)

The best grinding results are achieved when setting the machine at an angle of 15° to 30°. Move the machine back and forth with moderate pressure. In this manner, the workpiece will not become too hot, does not discolour and no grooves are formed.



**WARNING!** Never use a cutting wheel for grinding.

### 3. Cutting (I)

When cutting, do not press, tilt or oscillate the machine. Work with moderate feed, adapted to the material being cut.

Do not reduce the speed of running down cutting discs by applying sideward pressure. The direction in which the cutting is performed is important. The machine must always work in an up-grinding motion. Therefore, never move the machine in the other direction! Otherwise, the danger exists of it being pushed uncontrolled out of the cut.



**WARNING!** For cutting metal, always work with the wheel guard for cutting.

#### WORKING HINTS FOR YOUR ANGLE GRINDER

If your power tool becomes too hot, run no load for 2-3 minutes to cool the motor. Never start your angle grinder with the disc/ accessory in contact with the workpiece. Always start at no load to achieve maximum speed then start working.

Do not force the disc to work faster, reducing the disc's moving speed means longer working time.

When grinding, always work with a 30° to 40° angle between disc and workpiece. Larger angles will cut ridges into the workpiece and affect the surface finish. Move the angle grinder across and back and forth over the workpiece.

When using a cutting disc, never change the cutting angle otherwise you will stall the disc and angle grinder motor or break the disc.

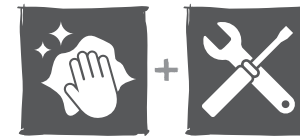
When cutting, only cut in the opposite direction to the disc rotation. If you cut in the same direction as the disc rotation the disc may push itself out of the cut slot.

When cutting very hard material best results can be achieved with a diamond disc. When using a diamond disc it will become very hot. If this happens you will see a full ring of sparks around the rotating disc. Stop cutting and allow cooling at no load speed for 2-3 minutes.

Always ensure the workpiece is firmly held or clamped to prevent movement.

## OVERLOAD, TEMPERATURE AND CHARGING PROBLEM

Problem	Tool/ Battery Status	Possible cause	Solution
Overload protection	Product suddenly Stops; The LED work light (if fitted) is flashing	Extremely high torque, binding and stalling situations, overloading of the tool	Relieve the load immediately, reset the tool by switching off and back on again.
Temperature extremely high	The first and the third LED light of the POWER BAR will be flashing alternately	Battery temperature exceeds 77°C during operation	Cool down the battery to below 77°C for operation and below 57°C for charging.
Low charge	Power for the tool will drop quickly; The first LED on the POWER BAR begins to flash	The battery pack is under 5% charge	Remove the battery pack from the tool and charge it
Other problems	Short charges	Not fully charged	Make sure that the battery is fully charged every time by allowing the charger to complete its full charging cycle
		Poor storage condition	Always remove battery from the tool and charger when not in use and store in a dry secure place. Avoid charging or storing your battery in temperatures below 5°C and above 40°C. Cool down a hot battery pack from a tool that has just been operated for approximately 30 minutes before storage



## CARE & MAINTENANCE

### MAINTENANCE

Your tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust.

### RECYCLING AND DISPOSAL



Waste electrical products should not be disposed of with household waste.

Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

For further information visit [www.recycle-more.co.uk](http://www.recycle-more.co.uk)

### DISPOSAL OF AN EXHAUSTED BATTERY PACK



To preserve natural resources, please recycle or dispose of the battery pack properly. This battery pack contains Li-Ion batteries. Consult your local waste authority for information regarding available recycling and/or disposal options. Discharge your battery pack by operating your tool, then remove the battery pack from the tool housing and cover the battery pack connections with heavy-duty adhesive tape to prevent short circuit and energy discharge. Do not attempt to open or remove any of the components.

### REPAIR

This product does not contain any parts that can be repaired by the consumer. Contact an authorised service centre or a similarly qualified person to have it checked and repaired.

### STORAGE

- Switch the product off and remove the battery pack.
- Clean the product as described above.
- Store the product and its accessories in a dark, dry, frost-free, well-ventilated place.
- Always store the product in a place that is inaccessible to children.
- We recommend using the original package for storage or covering the product with a suitable cloth or enclosure to protect it against dust.

### TRANSPORTATION

- Switch the product off and remove the battery pack.
- Attach transportation guards, if applicable.
- Always carry the product by its handle.
- Protect the product from any heavy impact or strong vibrations which may occur during transportation in vehicles.
- Secure the product to prevent it from slipping or falling over.



## GUARANTEE

At **Erbauer** we take special care to select high quality materials and use manufacturing techniques that allow us to create ranges of products incorporating design and durability. That's why we offer a 2 year trade guarantee against manufacturing defects on our **Erbauer** power tool products.

This power tool is guaranteed for 2 years from the date of purchase, if bought in store, delivered or bought online. You may only make a claim under this guarantee upon presentation of your sales receipt or purchase invoice. Please keep your proof of purchase in a safe place.

This guarantee covers product failures and malfunctions provided the **Erbauer** power tool was used for the purpose for which it is intended and subject to installation, cleaning, care and maintenance in accordance with standard practice and with the information contained above and in the user manual. This guarantee does not cover defects and damage caused by or resulting from:

- Normal wear and tear, including accessory wear
- Overload, misuse or neglect
- Repairs attempted by anyone other than an authorised agent
- Cosmetic damage
- Damage caused by foreign objects, substances or accidents
- Accidental damage or modification
- Failure to follow manufacturer's guidelines
- Loss of use of the goods

This guarantee is limited to parts recognised as defective. It does not, in any case, cover ancillary costs (movement, labour) and direct and indirect damage.

If the **Erbauer** power tool is defective during the guarantee period, then we reserve the right, at our discretion, to replace the item with a product of equivalent quality and functionality or to provide a refund.

This guarantee only applies to the country of purchase or delivery and is not transferrable to any other countries. This guarantee is non-transferrable to any other person or product. Relevant local law will apply to this guarantee.

Guarantee related queries should be addressed to a store affiliated with the distributor you purchased the **Erbauer** power tool from.

This guarantee is in addition to and does not affect your statutory rights relating to faulty goods as a consumer.



## DECLARATION OF CONFORMITY



### EU Declaration of Conformity

We  
**Kingfisher International Products Limited**  
**3 Sheldon Square**  
**London W2 6PX**  
**United Kingdom**

Declare that the product:  
 Erbauer 18V cordless angle grinder EAG18-Li  
 Serial number 00001-99999

Complies with the essential health and safety requirements of the following directives:

2006/42/EC The Machinery Directive

References to the following harmonized standard were made:  
 EN 60745-1:2009 + A11:2010  
 EN 60745-2-3:2011+A2:2013+A11:2014+A12:2014+A13:2015

2014/30/EU Electromagnetic Compatibility directive

References to the following harmonized standard were made:  
 EN55014-1:2017  
 EN55014-2:2015

(EU) 2015/863 amending 2011/65/EU Restrictions of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

Authorised signatory and technical file holder:

Kingfisher International Products Limited  
 3 Sheldon Square  
 London W2 6PX  
 United Kingdom

on: 18/06/2018

Lisa Davis  
 Group Quality Director





**Manufacturer • Fabricant • Producent • Hersteller • Producator • Fabricante:**

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United Kingdom  
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