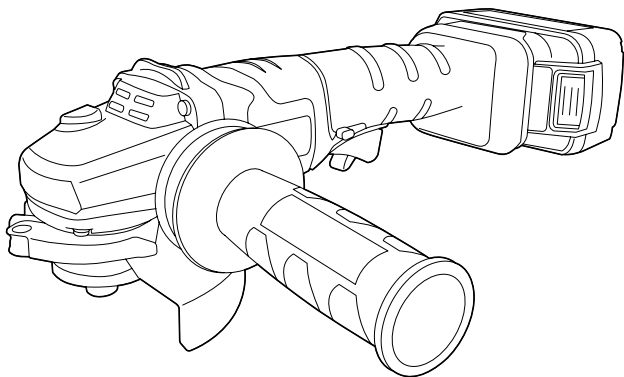




Kielder®

18V CORDLESS ANGLE GRINDER



ORIGINAL INSTRUCTION MANUAL

For use with all variants of KWT-013 Cordless Angle Grinder



www.kielder.co

Warranty & Support

The Kielder 3 Year Warranty

To take advantage of the Kielder 3 year warranty the product **must be registered within 30 days of Purchase or Delivery.**

Please register your product by completing the online form at:

www.kielder.co

...or call customer services on:

0114 242 3794

Why is Registration a Requirement?

For Kielder to be able to fully support & service a product warranty over a 3 year period **it is imperative that the product is registered.** If the product hasn't been registered we're simply not able to fully administer a warranty of this duration and therefore can only offer a **standard 12 month guarantee for any unregistered product.**

Note: Batteries are excluded from the 3 Year Warranty. Battery packs are classed as being a consumable item and they have a separate fixed period warranty of 12 months.

Warranty Statement

- Each Kielder product is thoroughly inspected during production and is guaranteed to perform as specified. The product will be free of defects, in both workmanship and materials, for the duration of the warranty from the date the product is purchased.
- The warranty becomes effective at the date of purchase (or the date of delivery if this is later).
- In the event that your machine needs repairing or replacing, you must provide proof of purchase/delivery before any work can be carried out on your machine. Without this, any work carried out may be chargeable.
- If your product requires attention from our engineers, we aim to have it collected & repaired within 7-10 working days.

- The repair or replacement of your machine under warranty will not extend the period of warranty.
- The warranty provides benefits which are additional to and do not affect your statutory rights as a consumer.

What is covered?

- The repair or replacement of your machine (at Kielder's discretion), if your machine is found to be defective due to faulty materials, workmanship or function within the warranty period (if any part is no longer available or out of manufacture, Kielder will replace it with a functional replacement part).
- Use of the machine in the UK only, overseas users should contact the official importer or retailer for that country.

What is not covered?

- Kielder does not guarantee the repair or replacement of a product incurred as a result of normal wear and tear.
- Accidental damage, faults caused by negligent use or care, misuse, neglect, careless operation or handling of the product which is not as instructed in Kielder's Instruction manual.
- Batteries are excluded from the 3 Year warranty.
- Use of parts not assembled or installed in accordance with the instructions of Kielder.
- Use of parts which are not Kielder genuine components.
- Faulty installation (except installation by Kielder).
- Repairs or alterations carried out by parties other than Kielder.

How to contact Kielder

If you have any queries over your product, please don't hesitate to contact us via:

tools@kielder.co

or call customer services on:

0114 242 3794.

...and we'll be happy to help.



IMPORTANT!

Please read these operating and safety instructions carefully and completely. For your own safety, before using this equipment check that all external parts are firmly secured and the machine in tact. If you are uncertain about any aspect of using this equipment, or require support please contact Kielder WT customer services and we'll be happy to help:

Tel: 0114 242 3794 **Email:** tools@kielder.co

Intended Use

With the appropriate disc fitted, this tool is intended for surface preparation and finishing.



DANGER!

This tool has a rotating disc, which is capable of cutting you and causing serious injury or death, if not used correctly. Please read this manual and the cautionary markings on the tool and obey the safety instructions to avoid injury. If you allow someone else to use the tool please ensure that they have read this manual or have been fully trained in its proper and safe use.

Plug Type

- The appliance is supplied with a moulded three pin mains plug for your safety and convenience.
- Only use this plug in the socket it is intended.
- A 3 amp fuse is fitted in this plug. Should the fuse need to be replaced please ensure that the replacement fuse has a 3 amp rating and it is approved by ASTA or BSI to BS1362.
- Check for the ASTA mark or the BSI mark on the fuse.
- If the plug contains a removable fuse cover, you must ensure that it is refitted when the fuse is replaced.
- If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

CONTENTS

Safety Rules & Instruction	4
Product Overview Diagram	10
Specification Table	11
Usage	
<i>Angle Grinder</i>	12
<i>Battery</i>	16
<i>Charger</i>	18
Warranty & Support	20

EC - Declaration Of Conformity

We declare that under our responsibility the product under part number:

KWT-013 18V Cordless Angle Grinder complies with the applicable EU directives: 2011/65/EU, 2014/30/EU, 2006/42/EC including the amendments and are manufactured in accordance following standards or standardised documents:

EN 60745-1

EN 60745-2-3

All documentation is held in KWT-013 Technical File and is available, on request for review.

Authorised Signatory:

Steven Bulloss

Director

Dated: 10/05/22

Kielder WT Ltd, Unit 14 Carlisle Business Park,
40 Chambers Lane, Sheffield S4 8DA

Noise & Vibration Data

Acoustic Pressure: <84 dB(A) K=3dB

Acoustic Power: <95 dB(A) K=3dB

Maximum Vibration (surface grinding): 7.0m/s² / K = 1.5m/s²

Sound emission values determined according to EN60745-2-3. The declared vibration total value has been measured in accordance with a standard test method used to compare one tool with another and according to EN60745. Both sound and vibration values have an uncertainty factor of K. The declared total values may be used in a preliminary assessment of exposure.



WARNING!

The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used. The need to identify safety measures and to protect the operator 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 the tool is switched off, when it is running idle, in addition to trigger time). Identify additional safety measures to protect the operator such as proper maintenance of the tool, keeping hands warm and organisation of work patterns.



WARNING!

This product uses Lithium Battery cells, do not use if the battery has been damaged in transit or becomes damaged during use. If Lithium-ion cells are damaged they present a flammable hazard.

General Safety

Warning: when using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. Please read all of these instructions before attempting to operate this machine. Save this manual for future reference.

- Keep work area clear. Cluttered work areas invite accidents.
- Consider work area environment. Do not expose tools to rain. Do not use tools in damp or wet locations. Keep work area well lit. Never use tools near flammable liquids or gases.
- Protect yourself against electric shock. Avoid body contact with earthed or grounded surfaces.
- Keep other people away. Do not let others, especially children, come close to the work, and touch the tool or power cable. Keep them away from the work area.
- Store idle tools. When not in use, tools should be stored in a dry locked-up place, out of children's reach.
- Never force the tools. Your tools will be more efficient and safer when used at the rate for which they were intended.

Personal Safety

- 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.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, hearing protection, anti-vibration gloves used for appropriate conditions will reduce personal injuries.
- 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.
- Remove any adjusting key or wrench before turning a 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 overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. 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.
- 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.

Safe Use Of Power Tools

Do not force the power tool. Use the correct power tool for your application. The correct tool will do the job better and safer at the rate for which it was designed.

- 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 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.

Battery & Charger

Recharge battery only with the charger specified by the manufacturer. A charger that is suitable for a certain 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.
- Keep battery pack and charger 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 terminals together may cause burns or a fire.
- 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.

Service

Have your power tool serviced or repaired by Kielder or a qualified technician using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

Additional Safety & Working Instructions



- Wear ear protectors. Exposure to noise can cause hearing loss.



- Wear eye protection to protect from loose particles which may be thrown from the workpiece.



- Wear a dust mask or respirator if the work creates dust.



- Wear anti-vibration or vibration absorbing gloves.

- This power tool is intended as a grinder. Please read all safety warnings and instructions before using this machine. Failure to follow all instructions given may result in an electric shock, serious injury or fire.
 - The power tool should only be used for operation for which it has been designed - other operations are not recommended and may result in damage to the tool and/ or personal injury.
 - The rated speed of any accessory must be at least equal to the maximum speed marked on the power tool. Accessories that are run faster than their rated speed may break and cause damage.
 - The size and thickness of the accessory used must be within the capacity rating of the power tool. Wrongly sized accessories cannot be correctly controlled or safely guarded.
 - The threaded mounting of accessories must match the spindle thread of the grinder. Any accessories mounted by flanges must fit the locating diameter of the tool's flange by way of the arbour hole of the accessory.
- Accessories not matching the mounting hardware of the tool will run off balance, with excessive vibration and cause loss of control.
- Do not use any damaged accessory. All accessories should be inspected before use and checked for chips and cracks. If the tool or accessory is dropped, please inspect for damage before using. After inspecting and installing an accessory, place yourself and anyone else in close proximity, away from the rotating accessory and run the tool for one minute at maximum load speed.
 - Wear personal protective equipment i.e. hearing protectors, eye protection (face shield, safety goggles or safety glasses), gloves, dust mask and a workshop apron that is capable of stopping small abrasive or workpiece fragments. The dust mask or respirator must be able to filtrate particles produced by the operating tool. Please note that prolonged exposure to high intensity noise may cause hearing loss.
 - Any person entering the work area must also wear personal protective equipment. Fragments of the workpiece or form a broken accessory may fly off and cause injury to persons beyond the immaculate area of operation.
 - Do not activate the power tool while it is being carried. Accidental contact with the rotating accessory could snag on your clothes and cause serious injury.
 - The air vents of the power tool should be cleaned regularly as the motor's fan will draw dust into the housing. Accumulation of powdered metal will cause damage to the motor and may cause electrical hazards.
 - Do not use the power tool near flammable materials. Any sparks produced could ignite such materials.
 - Do not use any accessories that require liquid coolants as this may result in electrocution or shock.
 - If necessary, fully secure the workpiece in a vice or clamp. Never hold a workpiece by hand.

- Always wait until the tool has stopped completely before setting it down.
- Hold power tools by the insulated gripping surface as the tool may contact hidden wiring when working into areas such as walls or floors. Contact with a 'live' wire will make exposed metal parts of the tool 'live' and shock the operator.
- Be aware that this tool is always in an operating condition as it does not have to be plugged into an electrical socket.
- Use special care when working on sharp edges and corners to avoid bouncing or snagging the accessory which may cause kickback or loss of control.
- Do not attach a toothed saw blade or saw chain woodcarving blade as these blades frequently cause kickback and loss of control.

Operational Safety - Kickback & Related Warnings

- Kickback is a sudden reaction to a snagged rotating wheel or any other accessory. Snagging causes the rotating accessory to stall sharply, which in turn results in the uncontrolled power tool to be forced in the opposite direction of the accessory rotation. If an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that enters the pinch point can dig into the material's surface causing the wheel to kick out. The wheel may jump toward or away from the operator, depending on the direction of the wheel's movement at the point of pinching. Abrasive wheels may break as a result.

Kickback is the result of power tool misuse/incorrect operating procedures and can be avoided by taking the following precautions:-

- Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback. The operator can control torque reactions or kickback forces if the proper precautions are followed.
- Do not put your hand near the rotating accessory as the accessory may kickback over your hand.
- Do not position your body in an area where the power tool will move if kickback happens. A kickback will move the tool in the opposite direction to the wheel's movement at the point of snagging.

Warnings Specific to Abrasive Disc Operations

- Use only wheel types that are compatible with your power tool together with the specially designed guard for the selected wheel. Wheels that haven't been designed for use on the tool are not safe as they cannot be guarded securely.
- The grinding surface of centre recessed wheels must be mounted below the plane of the guard lip to provide adequate protection.
- The guard should be securely attached to the power tool and positioned so that the least amount of wheel is exposed. The guard protects the operator from any broken wheel fragments as well as preventing accidental contact with wheel and sparks that could ignite clothing.
- Wheels must only be used for specified applications. Do not grind with the side of the cut-off wheel. Side forces applied to abrasive cut-off wheels may cause them to shatter.
- Use undamaged wheel flanges of the correct size and shape for the selected wheel. Wheel flanges support the wheel and reduce the possibility of breakage. Flanges for cut-off wheels may be different from grinding wheel flanges.
- Don't use worn down wheels from larger power tools as these are not suitable for the higher speed of a small tool and may break.



WARNING!

Do not touch grinding disc, workpiece or any off-cuts until they have cooled down. These items can become extremely hot while working and pose a significant burn risk.

Additional Safety Warnings Specific For Abrasive Cut Off Operations

- Do not apply excessive pressure or attempt to make an excessive cut as this will 'jam' the cut-off wheel. Over-stressing the wheel increases the load with potential for 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 as 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 towards you.
- When the wheel is binding or when interrupting a cut, switch off the power tool and hold it motionless until the wheel comes to a stop. Do not remove the cut-off wheel from the cut while the wheel is in motion, otherwise kickback may occur. If the wheel is binding, investigate and take action to clear the cause.
- Do not restart the cutting action in the workpiece. The wheel may bind or kickback if the power tool is restarted in the workpiece.
- Ensure any large workpieces are supported to reduce the risk of wheel pinching and kickback. Larger workpieces can sag under their own weight and supports should be put under the workpiece near the line of cut and near the edge on both sides of the wheel.
- Take care when making a 'pocket cut' into walls or other blind areas. The wheel may cut into gas or water pipes, electrical wiring or objects that can cause kickback.



CAUTION!

This product is powered by a rechargeable battery system, please pay

attention to these additional instructions:

- When the battery pack is not being used, the battery should be stored so that foreign substances like dust and water do not contaminate the unit.
- When the battery pack is being charged, ensure that the terminals are free of dust and water. Clean the terminals before using the battery if any foreign substances are seen.
- During charging the charger and battery may become slightly warm. This is normal. **DO NOT** charge the battery for a long period.
- The life of the battery pack may be adversely affected by dust or water during operation.
- If the motor or battery becomes hot, the protection function will activate and the motor or battery will stop operating.
- Before inserting the battery pack, always check to ensure that the tool is turned off.
- For safe use ensure that the battery pack is installed properly and securely to the main unit before operating.
- Do not use other than the Kielder battery packs that are designed for use with this rechargeable tool.
- Kielder is not responsible for any damage or accident caused by the use of recycled or counterfeit battery packs.
 - Do not dispose of the battery pack in a fire or expose it to excessive heat.
- Do not attempt to dismantle or modify the battery pack.
- Do not subject the battery pack to shocks or drive nails or similar items into it.
- Do not allow metal objects to touch the terminals on the battery pack.





- Do not carry or store the battery pack in the same container as nails or small metal objects.
- Do not charge the battery pack in a high temperature location e.g. next to a fire or in direct sunlight. The battery may overheat, catch fire or explode.
- Do not use other than the dedicated charger to charge the battery pack as the battery may leak, overheat or explode.
- When removing the battery pack from the tool or the charger, always reattach the pack cover as the battery contacts could be shorted, leading to a risk of fire.
- When the battery pack has deteriorated replace it with a new one. Continued use of a damaged battery pack may result in heat generation, ignition or rupture of the battery.

Collection And Disposal Of Old Equipment And Used Batteries:

These symbols on the products, packaging and accompanying documents mean that used electronic products and batteries should not be mixed with general household waste.



For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with the national legislation and the Directives 2002/96/EC and 2006/66/EC.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Penalties may apply for the incorrect disposal of waste in accordance with national legislation.

Attaching The Side Support Handle



CAUTION!

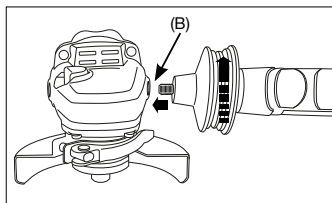
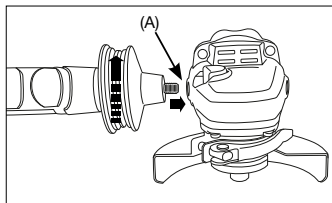
When attaching or removing a support handle, disconnect battery pack from tool.



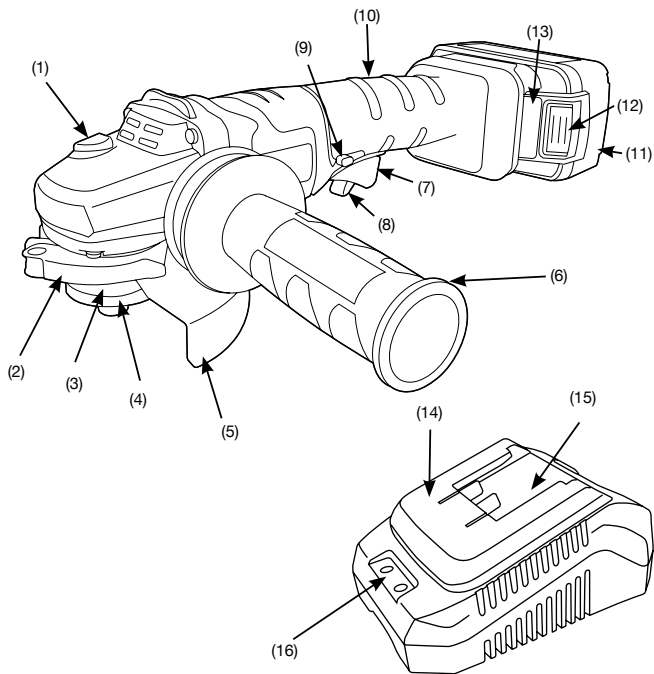
CAUTION!

Always be sure that the support handle is installed securely before operation.

- Screw the side handle on securely as shown (A)
- The handle can be mounted on the opposite side of the tool to suit application or user preference (B)



PRODUCT OVERVIEW



- | | |
|---------------------------|---------------------------------------|
| (1) Spindle Lock | (9) Lock-on button |
| (2) Guard Release Lever | (10) Hand Grip |
| (3) Upper Disc Plate | (11) Battery; <i>attached to tool</i> |
| (4) Quick Release Nut | (12) Battery Release Button |
| (5) Disc Guard | (13) Battery Charge Level Indicator |
| (6) Side Support Handle | (14) Charger |
| (7) Trigger | (15) Battery Insert Slide |
| (8) Trigger Safety Switch | (16) Charge Indicator |

SPECIFICATIONS

Main Unit

Model	KWT-013
Motor Voltage	18.0V - DC
Motor Type	Digital Brushless
Spindle Thread	M14
Weight (with battery KWT-003-25 fitted)	2.3kg
Weight (without battery fitted)	1.7kg
No Load Speed	4500 – 8000rpm
Speed Settings	5
Max Disc Diameter	115mm / 4½"
Spindle Length	12.6mm
Battery Type	Lithium-ion

Battery Pack

Model	KWT-003
Cell Type	Lithium-ion
Battery Voltage	18.0V DC
Weight (KWT-003-25)	0.6Kg

Battery Charger

Model	KWT-004
Ratings	See Rating Label on Base of Charger
Charge Time: KWT-003-25 (5.0AH)	90 mins
Weight	0.4Kg

V	Volts
	Direct Current
min ⁻¹	Revolutions Per Minute
Ah	Electrical Capacity
	Class II construction (double insulated)

	Read Instruction Manual Before Use
	Wear Hearing Protection
	Wear Safety Glasses
	Wear Vibration Absorbing Gloves

	Indoor Use Only
	Conforms to CE standard
	Do not burn or incinerate
	Maximum safe ambient temperature for battery

USAGE

Fitting The Disc



WARNING!

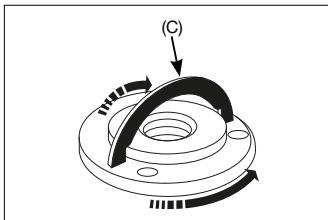
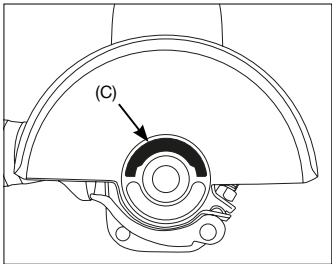
Before any work on the machine itself such as maintenance or a disc change, remove the battery from the tool as there is danger of injury if the trigger is unintentionally actuated.

Pre Fitting Checks:

- Ensure that the correct grinding disc is being used for the workpiece.
- Ensure the disc is the proper diameter for the tool. Do not use spacers or reducers.
- Ensure the disc being fitted complies with relevant safety standards – EN if using in UK & Europe.
- If applicable pay attention to the stated rotation direction of the disc and match to the direction arrow marked on the tool.
- If blotters are supplied with disc, ensure they are fitted to apply even pressure to the disc mount area.

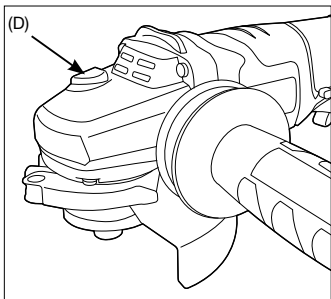
Fitting:

- Lift the flap (C) and unscrew until the quick release nut comes loose. You then remove the nut to reveal the spindle. Ensure you depress the Spindle Lock (D) to prevent the spindle from turning.

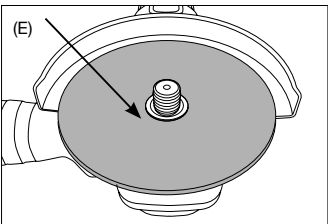


Note:

The Spindle Lock button (D) must be fully depressed to properly engage with the gears and lock the spindle.



- With the quick release nut removed, locate the disc over the spindle and onto the lower flange, the bore of disc should be a perfect fit on to the spindle shoulder (E).



Note:

When fitting a disc, ensure the spindle and disc bore are clean and free from debris.



CAUTION!

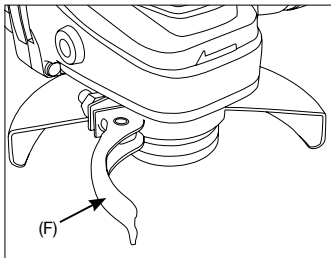
The Grinding Disc guard must be adjusted on the tool so that the closed side of the guard always faces towards the operator.



WARNING!

Always use the supplied guard when using the tool. The disc could shatter during use and the disc guard reduces the chance of personal injury.

- To adjust the guard, release the cam-lock lever (F) and rotate the guard into appropriate position. Replace the cam-lock lever to secure the guard in place.



Attaching or Removing the Battery Pack

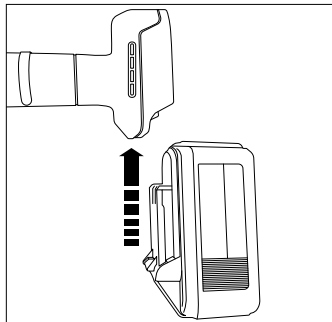
Note:

The battery pack is not fully charged at the time of purchase. Be sure to charge the battery before use.

Connect The Battery Pack:

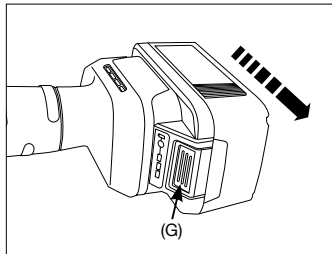
Line up the alignment channels and slide on the battery pack.

Slide the battery pack until it locks into position with an audible "CLICK".



Remove The Battery Pack:

Depress the button (G) at the front of the battery indication panel and slide the battery pack out.



Operating the Tool



WARNING!

Do not force the tool as the weight of the tool applies adequate pressure. Forcing with excessive pressure could cause the overload cut-out system to be activated or even lead to the grinding disc breaking.

- Always replace the grinding disc if the tool is dropped while in use.
- Do not hit or bang the grinding disc.
- Avoid bouncing and snagging the grinding disc, especially when working on corners or sharp edges as this can cause loss of control and kickback.

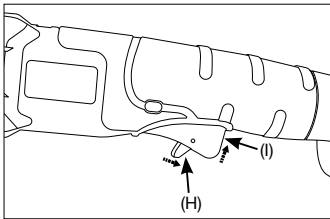


CAUTION!

Always wait until the disc has come to a complete stop before putting the tool down.

Before use carry out a visual inspection and run test on the disc:

- Ensure that the disc has no cracks or other damage before use.
- Always conduct a run test on the disc as follows.
 - Newly fitted disc: 3 minutes
 - Used disc 1 minute
- To start the machine, move the trigger lock back (H) and depress the trigger (I).

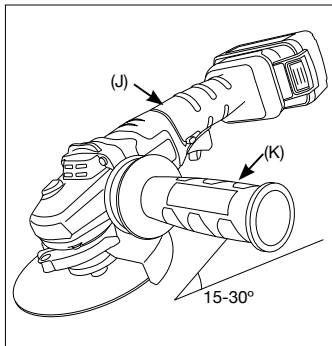


Note:

Dual function switch can be operated as a trigger or with lock-on.

Grinding Operation

Hold the tool firmly - with one hand on the main grip (J) and the other on the side support handle (K). Switch on the tool and apply the wheel or disc to the workpiece. Keep the edge of the grinding disc at an angle of about 15-30 degrees to the workpiece surface.



- When using a new grinding disc, do not work in a forward direction, only draw the grinder in a backward direction away from the leading edge of the disc, or it will cut into the workpiece. Once the edge of the grinding disc has been rounded off by use, it may be used in both directions.

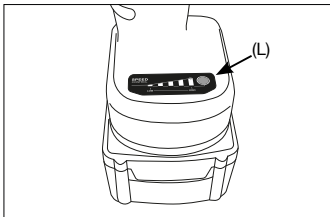


WARNING!

Never depress the Spindle Lock button whilst the tool is operating. Nor use the Spindle Lock to stop the tool. If the Spindle Lock engages whilst the tool is operating it could cause catastrophic damage to the machine, with risk of personal injury.

Variable Speed

This tool comes with a variable speed button of 5 levels. Once the tool is started up, press the speed button (L) until you reach your desired speed.



Cut-Off Operation

(cut-off guard available as an accessory, not included)



WARNING!

- When using an abrasive cut-off disc, only use a cut-off disc guard designed for using with a cut-off disc.
- Never use a cut-off disc for grinding.
- Do not apply excessive pressure or jam when making a cut.
- Don't attempt to make an excessive depth of cut in one go. Too much stress on the cut-off disc increases the load and susceptibility to twisting or binding of the cut-off disc breakage and overheating of the motor may also occur.
- Never start the tool when the disc is in the workpiece. This can cause the cut-off disc to bind or kickback. Allow the cut-off disc to reach full speed and carefully offer into the workpiece to carry out the cut.
- During cutting operations, do not change the angle of the disc. Placing side pressure on the cut-off disc (as per grinding) will cause the disc to crack and break, resulting in serious personal injury.



CAUTION!

- Do not close or block the ventilation slots on the side of the tool body as the function will be adversely affected and can cause a failure.
- Do not put strain on the motor as this will activate the overload protection system or could cause permanent damage to the tool.
- Use the tool so that the air from the ventilation slots does not blow onto you and thus prevent being burned.

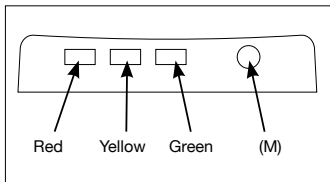


CAUTION!

Don't operate the tool continuously when switching battery packs. The tool requires time to cool down in between. In normal operating ambient temperatures this should take around 5 minutes, in hot working conditions allow a longer time for the tool to cool down.

Battery Level Indicator

- The Battery Level indicator is located on the front of the battery. To check the amount of power remaining, press and hold the small circular button (M) on the indication panel.



Take note of which of the three lights are illuminated.

Red, Yellow & Green illuminated = High Charge

Red & Yellow illuminated = Med-Low Charge

Red light illuminated = No Charge

- If the battery is of low charge, it should be charged before further use.
- The battery level indicator may be used with battery connected or disconnected to the tool.

- If the tool is started with little battery power remaining, it may stop operating after a short time. If this happens, check the battery power remaining by pressing the small circular button (M) on the indicator panel and charge the battery pack accordingly.
- When the battery pack becomes nearly discharged the voltage decreases and the power level drops.
- Excessive discharging of lithium-ion batteries dramatically shortens their life. This tool includes a battery protection feature to prevent excessive discharging of the battery pack. If the tool is subject to a sudden load during use that causes the motor to lock, the over-discharge prevention sensor may trigger. If this happens, address the issue that caused the motor to lock and cycle the trigger.

Note:

The battery level indicator is just a guide. The indication may change due to the condition of the battery or the ambient temperature.

Battery Pack Life

The rechargeable batteries have a limited life. If the operation time becomes short after recharging, replace the battery pack.



ATTENTION! Battery Recycling

For environmental protection and recycling of materials, please ensure that the battery pack is disposed of at an officially assigned location

Battery Care

- For optimum battery life, store the battery pack following use without charging it.
- Do not charge the battery pack when the temperature is below 0°C or above 40°C.
- When charging the battery pack ensure that the terminals on the battery charger are free of foreign objects such as dust and water. If any dirt is found on the terminals clean the terminals before charging the battery pack. The life of the battery pack terminals may also be affected by foreign objects during operation.
- Avoid storing the battery pack in a container with other metal objects such as nails, coins, etc. Metal objects can make a connection from one terminal to another and could short the battery terminals resulting in overheating and irreparable damage to the battery, sparks, burns or fire.
- Do not touch the terminals with any conductive material.
- When operating the battery pack, ensure that the work place is well ventilated.
- When the battery pack is removed from the main unit, store the battery in a location to prevent dust or dirt from contaminating the battery terminals which may cause a short circuit.
- Do not store the battery pack in locations where the temperature may reach or exceed 45°C.
- Do not incinerate the battery pack even if it is severely damaged or is completely worn out. The battery pack can explode in a fire.
- Do not expose the battery pack to water or rain.
- Be careful not to drop, shake or strike the battery.

Maintenance

- This tool requires no major additional lubrication or maintenance, only to keep the tool in a good clean condition. In particular around any moving parts such as the trigger and around gaps in the housing such as air vents. The spindle and flanges should be kept free from debris to ensure secure and 'true' fitting of the disc.
- When cleaning use only a dry soft cloth or brush for cleaning the tool or a gentle flow of compressed air. Do not use a damp cloth, thinner, benzene etc or other volatile solvents for cleaning.
- If the inside of the tool or battery pack is exposed to water, drain and allow to dry thoroughly as soon as possible before using again. If you experience any problems when operating the tool, contact Kielder WT.

Charging The Battery Pack



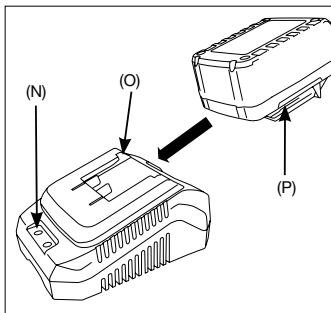
CAUTION!

- The charger is designed to operate on standard domestic electrical power as shown on the rating plate. Charge only on the voltage indicated on the rating plate e.g. 230v/50Hz.
- Do not attempt to use it on any other voltage or frequency rating!
- If the temperature of the battery pack is extremely low, charging may automatically stop to prevent degradation of the battery.
- The ambient temperature range for charging is between 0°C and 40°C. The battery pack may not work if the temperature is outside these parameters.
- When charging a cool battery pack (below 0°C) in a warm place, leave the battery pack at the place and wait for more than one hour to warm up the battery to the ambient temperature.
- Allow the charger to cool in between charges, when charging more than two battery packs consecutively.
- Do not insert your fingers onto the contact area at any time.
- To prevent the risk of fire or damage to the battery charger, do not cover vent holes on the charger and the battery pack.
- Unplug the charger when not in use.
- Take care to ensure metal objects such as nails, coins etc are kept away from the charger. Metal objects can make a connection from one terminal to another and could short the charging unit.
- Ensure that the terminals on the charger are free of foreign objects such as dust and water. If any dirt is found on the terminals clean the terminals before charging the battery pack.
- When the charger is not in use, store in a location to prevent dust or dirt from contaminating the terminals which may cause a fault or short circuit.

- Position the charger on a work bench or similar in a well ventilated location and ensure that the charger cannot be covered by workshop cloths etc.
- Plug the charger into a suitable power socket. The green LED (N) will illuminate.

Note:

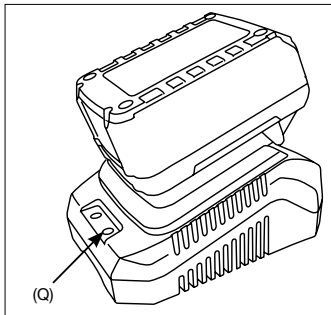
- Sparks may be produced when the plug is inserted into the power supply but this isn't a problem in terms of safety.
- Connect the battery pack into the charger; line up the alignment channels on the battery (O) with the corresponding channels on the charger (P) and slide the battery into place.



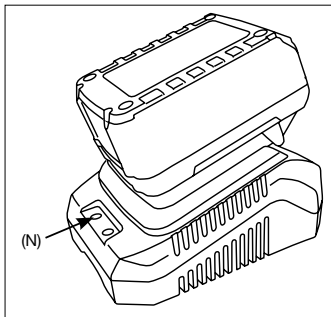
WARNING!

- When a battery becomes discharged due to prolonged use or exposure to direct sunlight or heat, always allow the battery pack to cool down before recharging. This will allow the battery to be recharged to its full capacity.

- The red charging LED (Q) will be illuminated during charging. When charging is completed an internal electronic switch will automatically trigger to prevent overcharging. Charging may not start if the battery pack is warm (such as immediately after sustained use).



- When charging is complete the red LED will extinguish and the green LED will illuminate (N).



- Once charging is complete slide the battery out of the charger, disconnect the charger from power supply and store.

Charging Times

Normal charging time for the KWT-003-25 5.0Ah battery pack is 90mins, but this can vary depending upon circumstances.

- If the battery pack is not fully discharged it may take less than 60 minutes to recharge.
- If the battery pack and ambient temperature are cold then recharging could take up to and over 90 minutes.
- If the battery pack is very hot it may not recharge. Allow it to cool right down before beginning the charging process.

Charging Indicator

This charger is designed to detect problems that can sometimes arise with rechargeable battery packs. The status of the LED's can alert the operator to a potential problem with the battery pack. This will be either by the Green LED staying illuminated when a discharged battery is connected i.e the charger remains in standby mode, or by the red LED failing to turn off at the end of a charge. If any issue is suspected with the battery do not attempt to re-charge or use it.

Note:

If battery pack failure is suspected, we recommend that the operator inserts a new battery of known quality into the charger to check that the charger is working correctly. If the new battery charges correctly, then the original battery is probably defective and should be sent for safe recycling. If the new battery pack displays the same problems as the original, have the charger tested by a qualified person.

KielderWT[®]

KIELDER WORKS TEAM

Kielder WT Ltd
Sheffield, UK

T: +44 (0)114 242 3794

E: tools@kielder.co

W: <http://www.kielder.co>

