

ToolPRO

3 YEAR
WARRANTY



12V

BRUSHLESS MINI GRINDER

Contents

Safety Information.....	3
In The Box.....	12
Accessories.....	12
Operating Instructions.....	13
Maintenance.....	20
Technical Data.....	21
Warranty.....	22

Safety Information

Important - Please read these instructions fully before starting assembly

Warning Symbols



To reduce the risk of injury, Please read the instruction manual



Warning



Wear ear protection



Wear eye protection



Wear dust mask



Indoor use only



Do not expose to rain or water



Do not burn



Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.



Li-Ion



Li-Ion

Li-ion battery. This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.



Fuse



Positive terminal



Negative terminal



Read the operator's manual



Double insulation



RCM marking



Safety Information

Important - Please read these instructions fully before starting assembly

General Power Tool Safety Warnings



WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1. Work area safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **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.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2. Electrical safety

- a) **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.
- b) **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.

3. 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 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.

Safety Information

Important - Please read these instructions fully before starting assembly

General Power Tool Safety Warnings

- 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 and gloves away from moving parts. Loose clothes, jewellery or long hair 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.

4. 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 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.
- 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. 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.
- 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.

5. 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.



Safety Information

Important - Please read these instructions fully before starting assembly

General Power Tool Safety Warnings

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.

6. 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.

Cordless grinder safety warnings

1. Safety Warnings Common for Grinding, Sanding, Wire Brushing, or Abrasive Cutting-Off Operations:

- a) This power tool is intended to function as a grinder, sander, wire brush or cut-off 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 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, wire brush for loose or cracked wires. 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.

Safety Information

Cordless grinder safety warnings

- 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 the power tool by insulated gripping surfaces only, when performing an operation where the cutting tool may contact hidden wiring.** Contact with a “live” wire will also make exposed metal parts of the power tool “live” and could give the operator an electric shock.
- k) **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.
- l) **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.
- m) **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.
- n) **Do not operate the power tool near flammable materials.** Sparks could ignite these materials.
- o) **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.

2. 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 kickback 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 Information

Cordless grinder safety warnings

3. 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 the 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.

4. 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.

Safety Information

Cordless grinder safety warnings

5. Safety Warnings Specific for Sanding Operations:

Do not use excessively oversized sanding disc paper. Follow manufacturers 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.

6. Additional Safety Warnings:

- a) When using depressed centre grinding wheels, be sure to use only fiberglass-reinforced wheels.
- b) 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.
- c) 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.
- d) Make sure the wheel is not contacting the workpiece before the switch is turned on.
- e) 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.
- f) Use the specified surface of the wheel to perform the grinding.
- g) Do not leave the tool running. Operate the tool only when hand-held.
- h) Do not touch the workpiece immediately after operation; it may be extremely hot and could burn your skin.
- i) Observe the instructions of the manufacturer for correct mounting and use of wheels. Handle and store wheels with care.
- j) Do not use separate reducing bushings or adaptors to adapt large hole abrasive wheels.
- k) Use only flanges specified for this tool.
 - l) 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.
- m) Check that the workpiece is properly supported.
- n) Pay attention that the wheel continues to rotate after the tool is switched off.
- o) If working place is extremely hot and humid, or badly polluted by conductive dust, use a short-circuit breaker (30 mA) to assure operator safety.
- p) Do not use the tool on any materials containing asbestos.
- q) When use cut-off wheel, always work with the dust collecting wheel guard required by domestic regulation.
- r) Cutting discs must not be subjected to any lateral pressure.
- s) Do not use cloth work gloves during operation. Fibers from cloth gloves may enter the tool, which causes tool breakage.



Safety Information

Important - Please read these instructions fully before starting assembly

Safety Warnings for battery pack

1. Do not dismantle, open or shred cells or battery pack.
2. Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials. 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.
3. Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.
4. Do not subject battery pack to mechanical shock.
5. In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
6. Seek medical advice immediately if a cell or battery pack has been swallowed.
7. Keep battery pack clean and dry.
8. Wipe the battery pack terminals with a clean dry cloth if they become dirty.
9. Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.
10. Do not maintain battery pack on charge when not in use.
11. After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.
12. Battery pack gives its best performance when it is operated at normal room temperature ($20\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$).
13. When disposing of battery packs, keep battery packs of different electrochemical systems separate from each other.
14. Recharge only with the charger specified by manufacturer. Do not use any charger other than that specifically provided for use with the equipment. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
15. Do not use any battery pack which is not designed for use with the equipment.
16. Keep battery pack out of the reach of children.
17. Retain the original product literature for future reference.
18. Remove the battery from the equipment when not in use.
19. Dispose of properly.



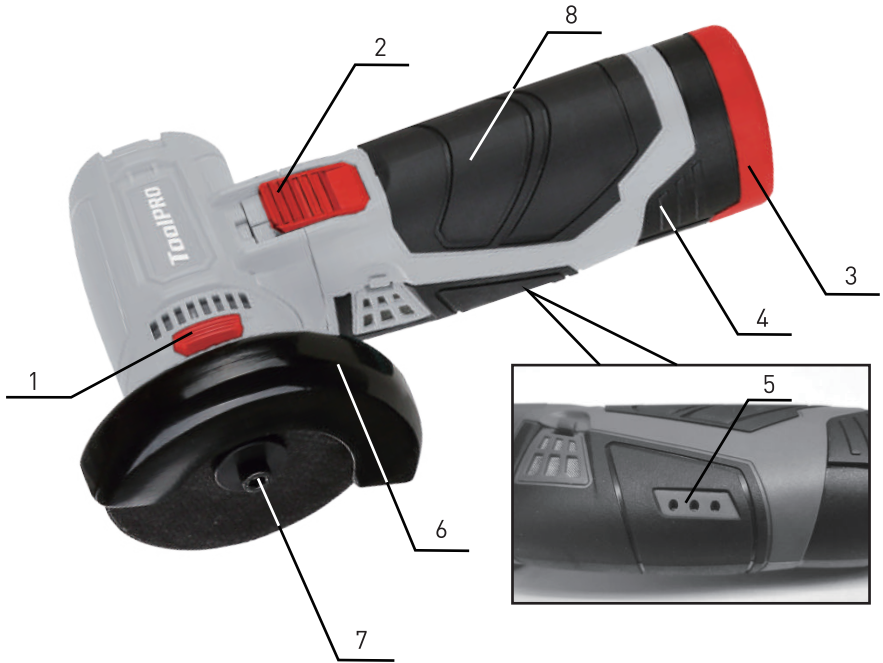
Safety Information

Important - Please read these instructions fully before starting assembly

Additional safety instructions for your Battery Charger

1. Before charging, read the instructions.
2. For charge Li-ion battery pack only.
3. Do not charge a leaking battery.
4. Do not use chargers for works other than those for which they are designed.
5. Before charging, ensure your charger is matching the local AC supply.
6. The charging device must be protected from moisture.
7. Do not use the charging device in the open.
8. Do not short out the contacts of battery or charger.
9. Respect the polarity "+/-" when charging.
10. Do not open the unit and keep out of the reach of children.
11. Ensure that the connection between the battery charger and battery is correctly positioned and is not obstructed by foreign bodies.
12. Keep battery charger's slots free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
13. When charging batteries, ensure that the battery charger is in a well-ventilated area and away from inflammable materials. Batteries can get hot during charging. Do not overcharge any batteries. Ensure that batteries and chargers are not left unsupervised during charging.
14. Do not recharge non-rechargeable batteries, as they can overheat and break.
15. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18°C and 24°C. Do not charge the battery pack in air temperatures below 4.5°C, or above 40.5°C. This is important as it can prevent serious damage to the battery pack.
16. Charge only battery pack of the same model provided by manufacturer and of models recommended by manufacturer.

In The Box



- ① Shaft Lock Button
- ② Slide Switch
- ③ Battery Pack
- ④ Battery Pack Release Button
- ⑤ Battery Capacity Indicator
- ⑥ Wheel Guard
- ⑦ Hex Bolt
- ⑧ Soft Handle

Accessories

Cutting disc	1
Grinding wheel	1
Hex wrench	1

Operating Instructions

Intended Use

This tool is intended for grinding, sanding and cutting of metal and stone materials without the use of water.



NOTE: Before using the tool, read the instruction book carefully.

1. CHARGING PROCEDURE

BEFORE PUTTING INTO OPERATION CHARGING THE BATTERY PACK (SEE FIG A)

NOTE:

- The battery in your new tool is not charged when it leaves the plant. Therefore it must be full charged before using the first time.
- Do not use any charger other than that specifically provided for use with the equipment.
- If the battery pack is very hot you must remove your battery pack from the charger and allow time for the battery to cool down before recharging.
- Please charge the battery to reach full or no less than half charge before storage. If the tool will not be used for long periods of time, charge the battery every 3-6 months.

CHARGING PROCEDURE

- Plug the charger into an appropriate outlet.
- Place the battery pack into the charger.
- When charging is completed, unplug the charger and remove the battery pack.



WARNING: When battery charge runs out after continuous use or exposure to direct sunlight or heat, allow time for the battery to cool down before re-charging to achieve the full charge.



	LED INDICATOR		SITUATION
	Green	Red	
Blinking light	No light	Stand by	
No light	Solid light	Charging	
Solid light	No light	Charging is complete	
Blinking light	Blinking light	Battery pack is too hot or cold (charging will begin automatically when battery reaches correct charging temperature)	
No light	Blinking light	Damaged or faulty battery pack	

Operating Instructions

2. INSTALLING AND REMOVING THE BATTERY PACK

a) TO REMOVE THE BATTERY PACK

Press the Battery Pack Release Button (4) firmly first and then pull the Battery Pack out from your tool.

b) TO INSTALL THE BATTERY PACK

Push the fully charged Battery Pack onto the tool with sufficient force until it clicks into position.

3. 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 tool and battery life. The tool will automatically stop during operation if the tool or battery is placed under one of the following conditions.

A) Overload protection

When the tool is operated in a manner that causes it to draw an abnormally high current, the tool automatically stops without any indication. In this situation, turn the tool off and stop the application that caused the tool to become overloaded. Then turn the tool on to restart.

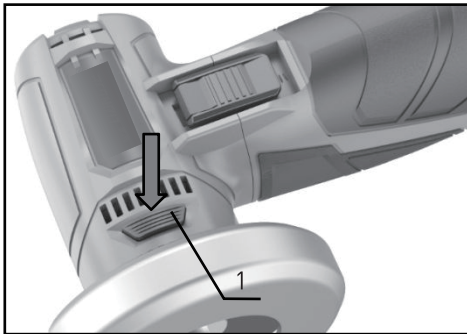
B) Overheat protection

When the tool is overheated, the tool stops automatically. In this situation, let the tool cool before turning the tool on again. If the tool does not start, the battery may be overheated. In this situation, let the battery cool before starting the tool again.

C) Over discharge protection

When the battery capacity is not enough, the tool stops automatically. In this case, remove the battery from the tool and charge the battery.

4. SHAFT LOCK



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

1. Shaft Lock Button

NOTICE: Never actuate the shaft lock when the spindle is moving. The tool may be damaged.

Operating Instructions

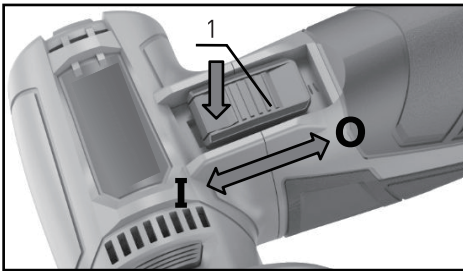
5. SWITCH ACTION



CAUTION: Before installing the battery cartridge into the tool, always check to see that the slide switch actuates properly and returns to the "OFF" position when the rear of the slide switch is depressed.



CAUTION: Switch can be locked in "ON" position for ease of operator comfort during extended use. Apply caution when locking tool in "ON" position and maintain firm grasp on tool.



To start the tool, slide the slide switch toward the "I (ON)" position by pushing the rear of the slide switch. For continuous operation, press the front of the slide switch to lock it.

To stop the tool, press the rear of the slide switch, then slide it toward the "O (OFF)" position.

1. Slide switch

6. ACCIDENTAL RE-START PREVENTIVE FUNCTION

Even if suddenly insert the battery when the slide switch is locked on the "I (ON)" position with the battery removed, the tool does not start to prevent accidental accident. To start the tool in this situation, first slide the slide switch to the "O (OFF)" position and then slide it to the "I (ON)" position again.

7. ELECTRONIC TORQUE CONTROL FUNCTION

The tool electronically detects situations where the wheel or accessory may be at risk to be bound. In the situation, the tool is automatically shut off to prevent further rotation of the spindle (it does not prevent kickback).

To restart the tool, switch off the tool first, remove the cause of sudden drop in the rotation speed, and then turn the tool on.

8. SOFT START FEATURE

Soft start feature reduces starting reaction.

9. ELECTRIC BRAKE

Electric brake is activated after the tool is switched off. The brake does not work when the power supply is shut down, such as the battery is removed accidentally, with the switch still on.

Operating Instructions

Assembly



CAUTION: Before installing the battery cartridge into the tool, always check to see that the slide switch actuates properly and returns to the "OFF" position when the rear of the slide switch is depressed.

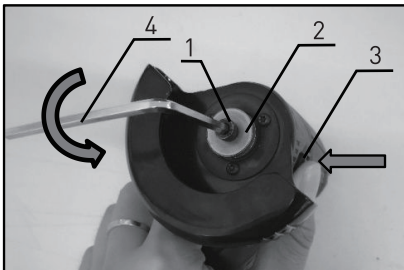
INSTALLING OR REMOVING GRINDING WHEEL OR ABRISIVE CUT-OUT WHEEL

Optional accessory



WARNING: When using a grinding wheel or abrasive cut-out wheel, the wheel guard must be fitted on the tool firmly so that the closed side of the guard always points toward the operator.

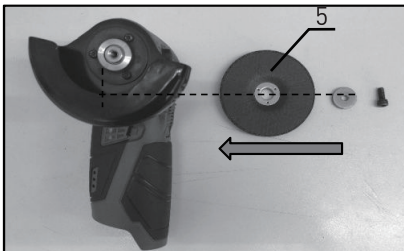
REMOVE THE HEX BOLT AND OUTER FLANGE



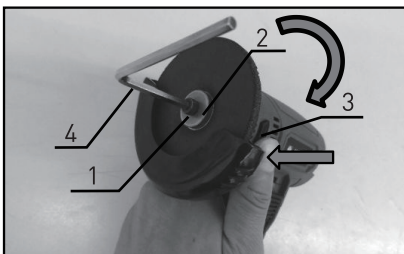
To remove the outer flange, press down the shaft lock button fully so that the shaft cannot revolve and use the hex wrench to loosen the hex bolt in anti clockwise direction. Then remove the hex bolt and outer flange.

1. Hex bolt
2. Outer flange
3. Shaft lock button
4. Hex wrench

INSTALLING OR REMOVING THE GRINDING WHEEL/CUT-OUT WHEEL



To install the grinding wheel or cut-out wheel, well-placed the wheel/outer flange/Hex bolt in turn and in direction as the fig shown, then press down the shaft lock button fully so that the shaft cannot revolve and use the hex wrench to tighten the hex bolt in clockwise direction. To remove the grinding wheel or cut-out wheel, follow the install procedure in reverse.



1. Hex bolt
2. Outer flange
3. Shaft lock button
4. Hex wrench
5. Grinding wheel/cut-out wheel

Operating Instructions

Assembly



WARNING: BE SURE TO TIGHTEN THE HEX BOLT CLOCKWISE SECURELY. Also be careful not to tighten the bolt forcibly. Slipping your hand from the hex wrench can cause a personal injury.



WARNING: Make sure that the direction of the wheel is correctly. Mounting the wheel on the wrong side can result in the dangerous vibration.



WARNING: Make sure that the direction of the outer flange is correctly. Mounting the outer flange on the wrong side may result in the dangerous vibration.

Operating



WARNING: 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.



WARNING: ALWAYS replace wheel if tool is dropped while grinding.



WARNING: NEVER bang or hit grinding disc or wheel onto work.



WARNING: Avoid bouncing and snagging the wheel, especially when working corners, sharp edges etc. This can cause loss of control and kickback.



WARNING: 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.



CAUTION: Never switch on the tool when it is in contact with the workpiece, it may cause an injury to operator.



CAUTION: Always wear safety goggles or a face shield during operation.



CAUTION: After operation, always switch off the tool and wait until the wheel has come to a complete stop before putting the tool down.



CAUTION: ALWAYS hold the tool firmly with one hand on housing and the other on the soft handle.

Operating Instructions




Operating



SELECTING THE ACCESSORIES



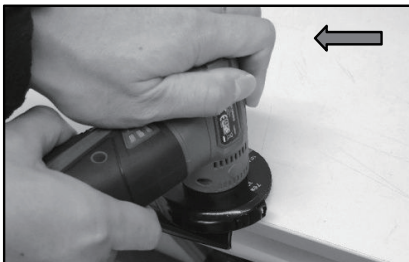
CAUTION: These accessories below or attachments are recommended for use with your tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

The permissible speed [min⁻¹] or the circumferential speed [m/s] of the wheel used must at least match the values given in the table. It is therefore important to observe the permissible rotational/circumferential speed on the label of the abrasive tool.

	max. [mm]	[mm]		
	Db	d[min ⁻¹	[m/s]
	76	61	0	19,500
				80

Accessories	Applicability	Material
	Expert Grinding for Inox	Ferrous metal, Stainless steel, ordinary steel
	Expert Cutting for Inox	Stainless steel, ordinary steel, aluminium product

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 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 forward and backward direction.

Operating Instructions

Operating

CUTTING-OUT OPERATION

Optional accessory



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.)



WARNING: NEVER use cut-off wheel for side grinding.



WARNING: 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.



WARNING: 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 kickback if the power tool is started in the workpiece.



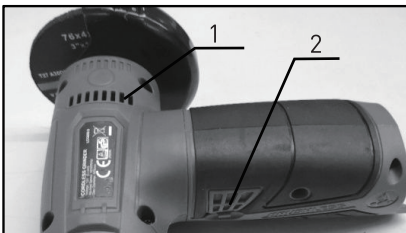
WARNING: During cutting operations, never change the angle of the wheel. Placing side pressure on the cut-off wheel (as in grinding) will cause the wheel to crack and break, causing serious personal injury.



WARNING: A abrasive cut-out wheel shall be operated perpendicular to the material being cut.



NOTE: If the tool is operated continuously until the battery pack has discharged, allow the tool to rest for 15 minutes before proceeding with a fresh battery.



NOTE: Do not cover vents when working, or it may cause over-heating and damage to the tool.

1. Exhaust vent
2. Inhalation vent

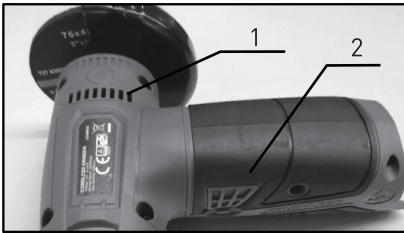
Maintenance



CAUTION: Always be sure that the tool is switched off and the battery pack is removed before attempting to perform inspection or maintenance.

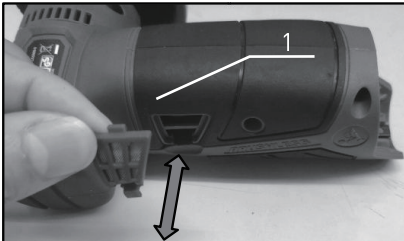
NOTE: Never use gasoline, benzene, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

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






Remove the dust cover from inhalation vent and clean it for smooth air circulation.

1. Dust cover

NOTE: Clean out the dust cover when it is clogged with dust or foreign matters. Continuing operation with a clogged dust cover may damage the tool.

Technical Data

Technical Data Table

Voltage	12 V 
No load speed	0-19500RPM
Collect size	M5
Disc diameter	76mm
Max. cutting depth:	15mm
Charger Protection class	 /II
Charger Input	100-240V~50/60Hz, 35W
Charger Output	12V  2000A
Machine weight	0.75kg (without battery)
Battery capacity	2.0/4.0Ah Li-ion battery packs
Charging time	1hr for 2.0Ah battery pack 2hr for 4.0Ah battery pack

WARRANTY

This product is guaranteed against defects a period of (3 years) from date of purchase. This warranty is provided by SRGS PTY LTD ABN 23 113 230 050 of 6 Coulthards Avenue, Strathpine QLD 4500, Ph 1300 880 764. Supercheap Auto will offer a repair, replacement product or store credit if the product is assessed as being defective during the warranty period.

To claim under this warranty, take this product to the Front Service Desk of your nearest Supercheap Auto store. For store locations, visit www.supercheapauto.com.au (AUS) or www.supercheapauto.co.nz (NZ). You will need your receipt or proof of purchase. Additional information may be requested of you to process your claim. Should you not be able to provide proof of purchase with a receipt or a bank statement, identification showing your name, address and signature may be required to process your claim.

This product may need to be sent to the manufacturer to assess the defect before determining any claim. Faults or defects caused by product modification, misuse and abuse, normal wear and tear or failure to follow user instructions are not covered under this warranty.

Your warranty is subject to the following conditions:

- Battery packs are guaranteed for a 12 month period only.
- The tool has not been misused, abused, neglected, altered, modified or repaired by anyone other than an authorized service centre.
- Only genuine ToolPRO accessories and parts have been used on or with the product.
- The tool has been subjected to fair wear and tear.
- The tool has not been used for trade or professional purposes.
- The tool has not been used for rental purposes.
- The tool has not sustained damage through foreign objects, substances or accidents.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Any expenses incurred relating to the return of this product to store will normally have to be paid by you. For more information contact your nearest Supercheap Auto store.

The benefits to the consumer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods and services to which this warranty relates.

Staple your purchase receipt here
Before returning this product for
warranty or any other reason, please call.
FREE CALL 1300 858 645
Email: sca@scheppach.com.au

ToolPRO

PLU: 610598
CODE: LCG699-9
Manufactured and packaged for
SRGS PTY LTD
ABN 23 113 230 050
6 Coulthards Avenue, Strathpine,
Strathpine QLD 4500, Australia
MADE IN CHINA