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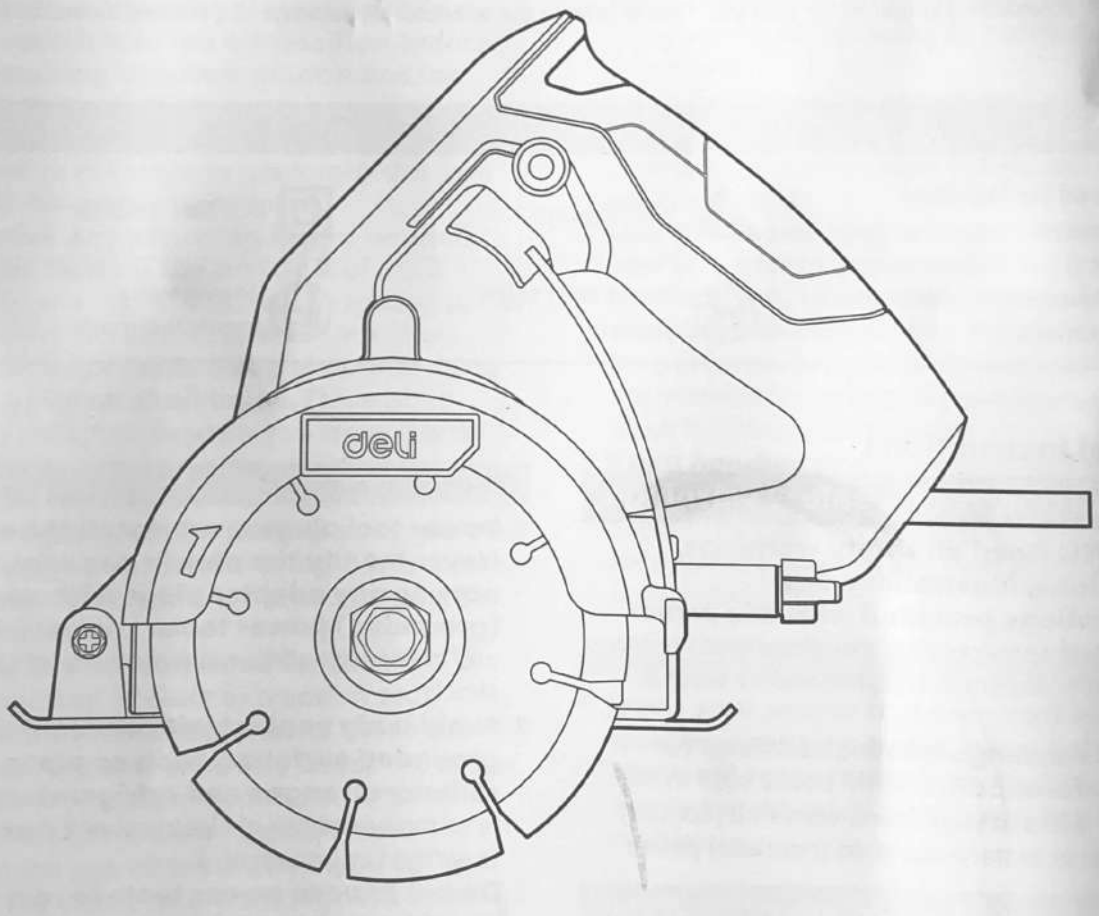
DE-YS110-1E
DE-YS110-1G



EN Marble cutter
DE Marmorschneider
FR Coupeuse de marbre
ES Cortadora de mármol
PT Cortador de mármore
RU Плиткорез
AR قاطع الرخام

Specifications

Model	DE-YS110-1E	DE-YS110-1G
Rated voltage	220-240V~ 50/60Hz	
Rated power	1300W	
No-load speed	13000/min	
Blade size	110mm	
Maximum Cut deep	32mm	
Spindle thread	M8	
Machine weight	3.0kg	

Standard accessories:

· Socket Wrench · Wrench

· It is recommended to select the accessories from the store where you purchased your power tool. Please select the correct accessories required for your job. Please refer to the accessories package to get more methods and help for use.

Symbols

Read the instrution manual	Warning sign	Double insulation
Please wear protective earmuffs	Please wear safety glasses	Please wear protective mask

Original 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

1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **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 dustorfumes.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

1. **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.
2. **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.
3. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **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.
5. **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.

6. **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

1. **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.
2. **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.
3. **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.
4. **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.
5. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
6. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
7. **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.
8. **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

1. **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.
2. **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.
3. **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.
4. **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.
5. **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 tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
6. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. **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.
8. **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.

Service

1. **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.

Safety instructions for all operations

Cut off machine safety warnings

1. **The guard provided with the tool must be securely attached to the power tool and positioned for maximum safety, so the least amount of disc is exposed towards the operator. Position yourself and bystanders away from the plane of the rotating disc.** The guard helps to protect operator from broken disc fragments and accident contact with disc.
2. **Use only bonded reinforced or diamond**

cut-off discs for your power tool. Just because an accessory can be attached to your power tool, it does not assure safe operation.

3. **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.
4. **Wheel must be used only for recommended applications. For example: do not grind with the saide of cut-off disc.** Abrasive cut-off discs are intends for perpherd grinding side forces applied to these discs may cause them to shatter.
5. **Always use undamaged disc flanges that are of correct diameter for your select disc.** Proper disc flanges support the disc thus reducing the possibility of disc breakage.
6. **Do not use worn down reinforced discs from lager power tools.** Wheels intends for a larger power tool are not suitable for the higher speed of a smaller tool and may burst.
7. **The outside diameter and thickness of your accessory must be within the capacity rating of your power tool.** Incorrectly size accessories cannot be adequately guarded or controlled.
8. **The arbour size of discs and flanges must properly fit the spindle of the power tools.** Wheels and flanges with arbour holes that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.
9. **Do not use damaged discs . before each use, inspect the discs for chips and cracks, if power tool or disc is dropped, inspect for damage or install an undamaged disc. After inspecting and installing the disc, position yourself and bystanders away from the plane of the rotating disc and run the power tool at maximum no load speed for one minute.** Damaged discs will normally break apart during this test time.
10. **Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and shop 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 filtrating particles generated by your operation.** Prolonged exposure to high intensity noise may cause hearing loss.
11. **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 disc may fly away and cause injury beyond immediate area of operation.
12. **Hold the power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** Cutting accessory contacting a "live" wire may make exposes metal parts of the power tool "live" and could give the operator an electric shock.
13. **Position the cord clear of the spinning accessory.** Is you lose control, the cord may be cut or snagged and you hand or arm may be pulled into the spinning disc.
14. **Never lay the power tool down until the accessory has come to a complete stop.** The spinning disc may grab the surface and pull the power tool out of your control.
15. **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.
16. **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.
17. **Do not operate the power tool near flammable materials.** Sparks could ignite these materials.
18. **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.

Further safety instructions for abrasive cutting-off operations

Kickback and related warnings:

Kickback is a sudden reaction to a pinched or snagged rotating disc. Pinching or snagging caused rapid stalling of the rotating disc which in turn causes the uncontrolled power tool to be forced in the direction opposite of the disc's rotation at the point of the binding.

For example, if an abrasive disc is snagged or pinched by the workpiece, the edge of the disc that is entering into the pinch point can dig into the surface of the material causing the disc to climb out or kick out. The disc may either jump toward or away from the operator, depending on direction of the disc's movement at the point of pinching. Abrasive discs 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.

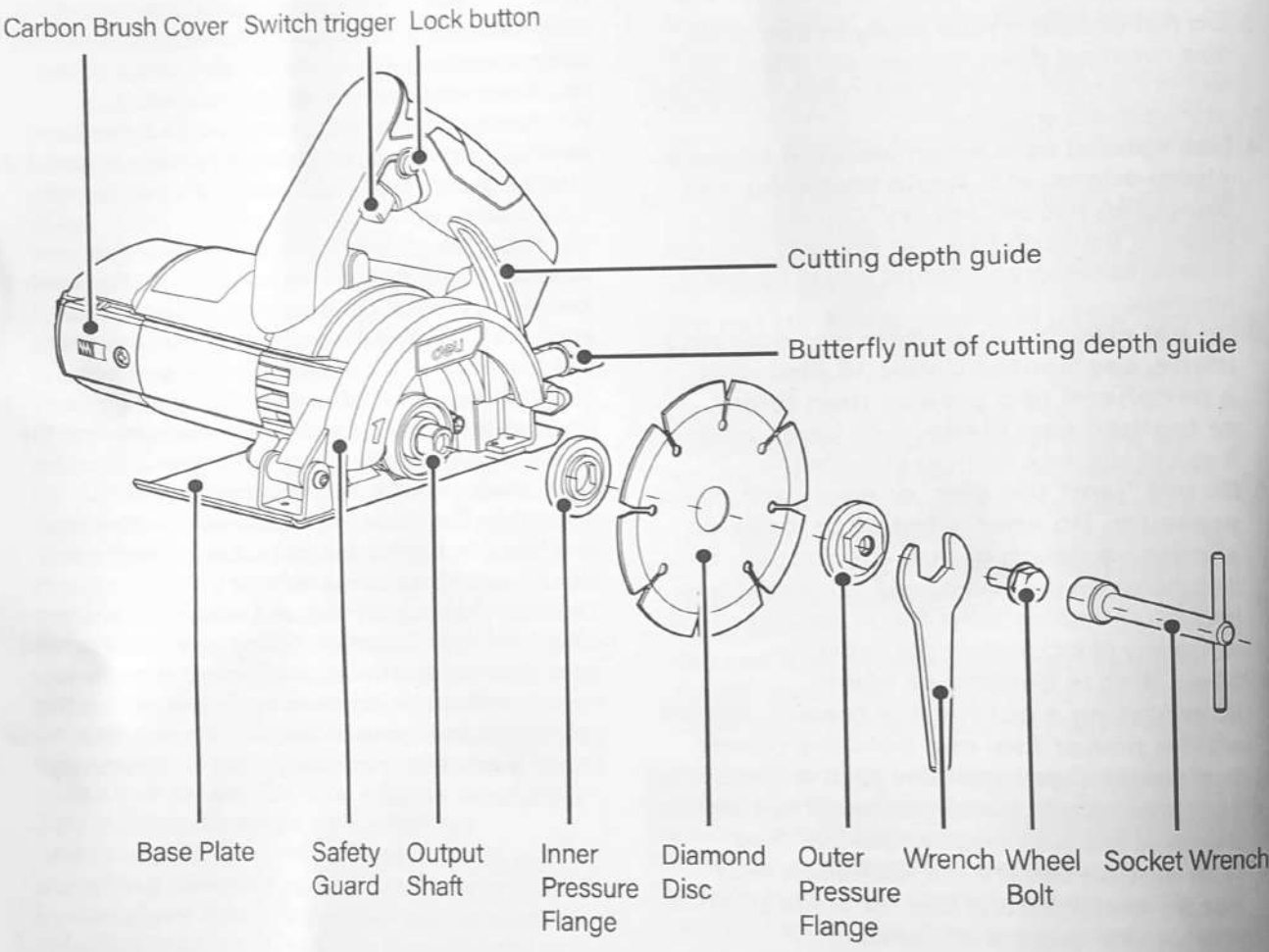
1. **Maintain a firm grip with both hands**

on the power tool and position your body and arms to allow you to resist kickback forces. Always use 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.

2. **Never place your hand near the rotating accessory.** Accessory may kickback over your hand.
3. **Do not position your body in line with the rotating disc.** Kickback will propel the tool in direction opposite to the disc's movement at the point of snagging.
4. **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.
5. **Do not attach a saw chain woodcarving blade, segmented diamond disc with a peripheral gap greater than 10mm or toothed saw blade.** Such blades create frequent kickback and loss of control.
6. **Do not "jam" the disc or apply excessive pressure. Do nnot attempt to make an excessive depth of cut.** Overstressing the disc increases the loading and susceptibility to twisting or binding of the disc in the cut and the possibility of kickback or disc breakage.
7. **When disc is binding or when interrupting a cut for any reason, switch off the power tool and hold the power tool motionless until the disc comes to a complete stop. Never attempt to remove the disc from the cut while the disc is in motion otherwise kickback may occur.** Investigate and take corrective action to eliminate the cause of disc binding.
8. **Do not restart the cutting operation in the workpiece. Let the disc reach full speed and carefully re-enter the cut.** The disc may bind, walk up or kickback if the power tool is restarted in the workpiece.
9. **Support panels or any oversized workpiece to minimize the risk of disc 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 disc.
10. **Use extra caution when making a "pocket cut" into existing walls or other blind areas.** The protruding disc may cut gas or water pipes, electrical wiring or objects that can cause kickback.

Noise/vibration information

Noise emission values determined according to EN 60745-2-22.
Typically, the A-weighted noise level of the power tool is: Sound pressure level 83 dB(A); sound power level 94 dB(A). Uncertainty K = 5 dB.
Wear hearing protection!
Vibration total values ah (triax vector sum) and uncertainty K determined according to EN 60745-2-22:
ah = 4.5 m/s2, K = 1.5 m/s2 The vibration level and noise emission value given in these instructions have been measured in accordance with a standardised measuring procedure and may be used to compare power tools. They may also be used for a preliminary estimation of vibration and noise emissions.
The stated vibration level and noise emission value represent the main applications of the power tool. However, if the power tool is used for other applications, with different application tools or is poorly maintained, the vibration level and noise emission value may differ. This may significantly increase the vibration and noise emissions over the total working period.
To estimate vibration and noise emissions accurately, the times when the tool is switched off or when it is running but not actually being used should also be taken into account.
This may significantly reduce vibration and noise emissions over the total working period. Implement additional safety measures to protect the operator from the effects of vibration, such as servicing the power tool and application tools, keeping their hands warm, and organising workflows correctly.


Carbon Brush Cover
Switch trigger
Lock button
Cutting depth guide
Butterfly nut of cutting depth guide
Base Plate
Safety Guard
Output Shaft
Inner Pressure Flange
Diamond Disc
Outer Pressure Flange
Wrench
Wheel Bolt
Socket Wrench

Operation Instructions

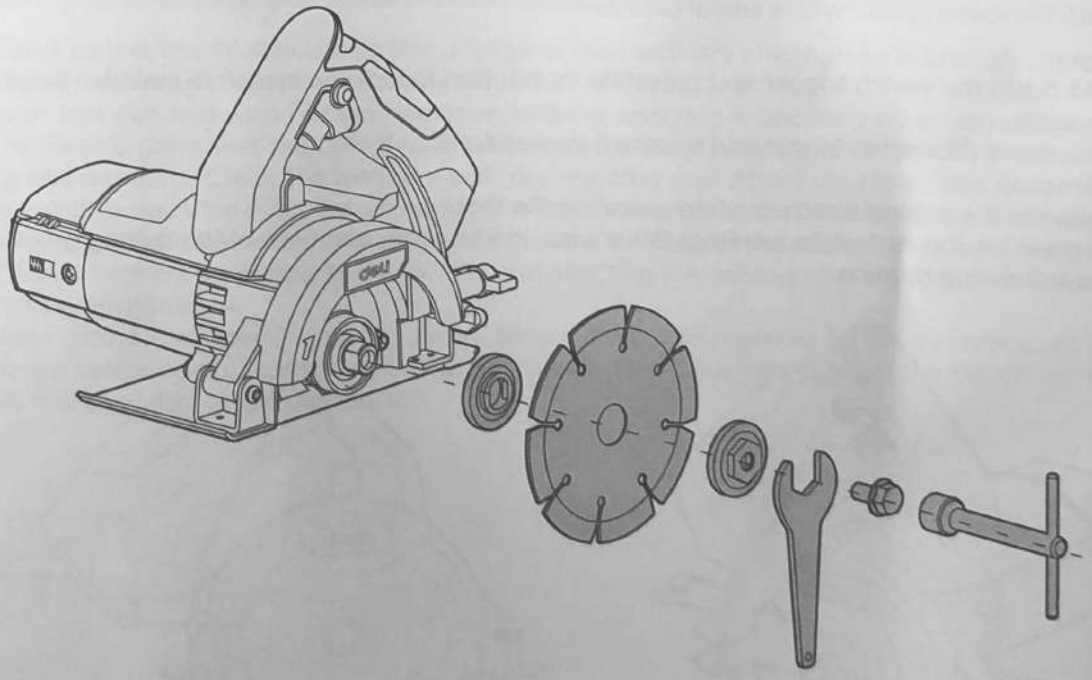
WARNING: Read all safety warnings and all instructions before operation.

❶ Installing, replacing diamond disc

· Before performing any replacement work on the machine, be sure to pull out the plug first.
· Please wear protective gloves
· Be sure to confirm that the diamond disc is properly installed, and the diamond disc is intact and undamaged.

1. Installing diamond disc
   Install the inner pressure flange on the output shaft, then place the diamond disc on the output shaft and firmly tighten the outer pressure flange with a wrench and disc bolts with a socket wrench. Hold the outer flange with the wrench and tight the disc bolt counterclockwise with the socket wrench to securely lock the outer flange.
   Attention: Always install the diamond disc so that the arrow on the diamond disc points in the same direction as the arrow on the safety guard.
2. Replacing diamond disc
   Hold the outer flange with the wrench and loosen the disc bolt clockwise with the socket wrench.

Attention: left-hand thread bolt! Clean all parts before installation.



❷ Adjusting the depth of cut

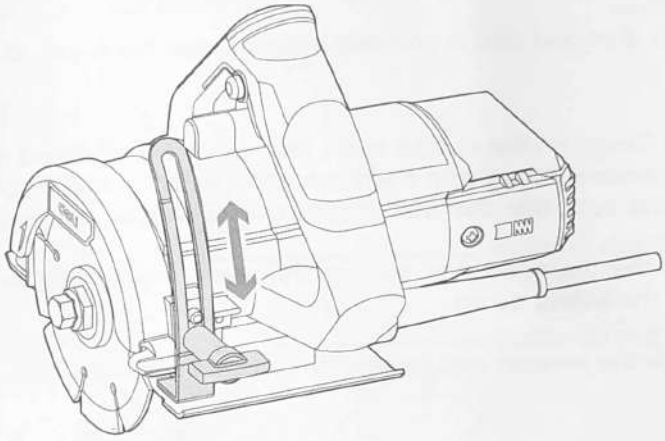
To adjust the cutting depth, loosen the butterfly nut on the depth guide and adjust the cutting depth (move the base plate up or down to the desired depth of cut).

Up ⟶ Shallow cut

Down ⟶ Deep cut

Use a measuring tape or similar measuring tool to assist in adjusting the depth of cut. Secure the base by tightening the butterfly nut of cutting depth guide again.

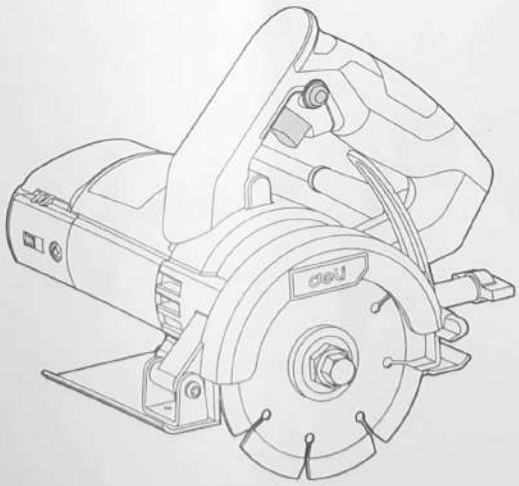
Keep the cutting line straight and the speed of advance uniform during operation. To achieve the best results, the diamond disc must penetrate the workpiece and protrude approximately 2 mm beyond the workpiece.

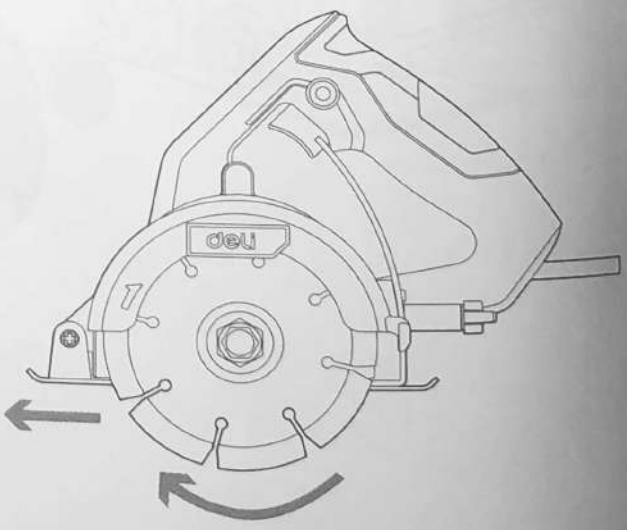


❸ Operation

- Secure materials that stand unsteadily.
- Do not let the tool stop running due to excessive load.
- Caution! The diamond disc in operation can become very hot;
  Do not touch until the disc has cooled down.
  Do not press hard, tilt or shake during cutting. Moderately control the propulsion force according to the cutting material.
  Do not stop the rotating disc with a lateral pressure.

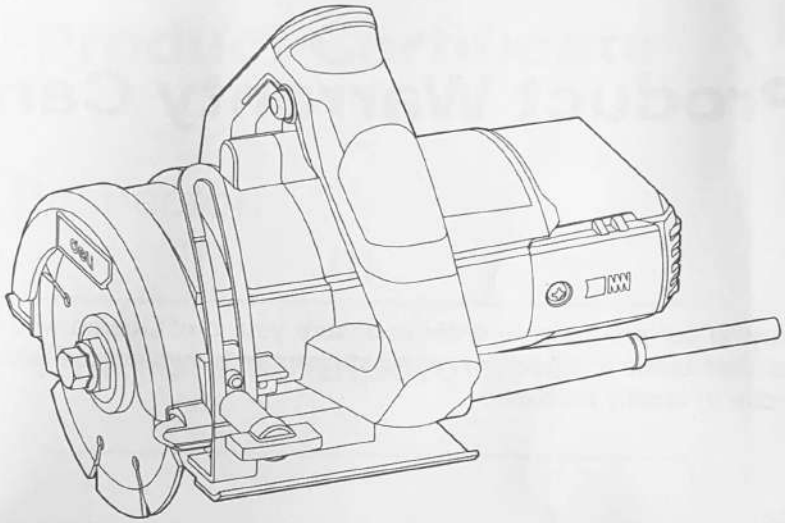
1. Start/Stop
   Start: Hold down the switch trigger and press the lock button to lock the switch to maintain a continuous operation state.
   Stop: Press down the switch trigger and release it immediately.
2. Cutting direction
   Pay attention to the cutting direction when operating the tool.
   Push the machine forward while working! Otherwise, the tool may slide out of the cutting groove due to loss of control during rotation.





❹ Replacing carbon brushes

There are 2 easily replaceable carbon brushes on the front and back of the motor rear housing. Loosen the carbon brush cover, take out the carbon brush, if the carbon brush has worn to 8 mm, it should be replaced. Check and replace the carbon brushes regularly. Insert the new ones and secure the brush cover. Check if the tool is working properly. Before operation, allow it to idle for a few minutes to ensure that the carbon brushes are securely installed.
After every two replacements of the carbon brushes, it is best to apply lubricant to the transmission parts as well. Usually, the old lubricant has lost its lubricating effect at this time.



Maintenance

CAUTION: Before performing any replacement or maintenance work on the machine, be sure to pull out the plug first.

This product cannot use flexible cables that are lighter than ordinary chloroprene rubber sheath or synthetic rubber sheath with equivalent performance (245 IEC 57 of GB 5013.4)
This power tool can maintain normal operation without applying lubricating oil or special maintenance. There are also no parts that require special maintenance. Simply maintain the machine according to the following requirements. Clean the machine with dry rag after use. Attention: Never use water or chemical cleaning agent to clean the machine, so as not to affect the performance of the machine enclosure or cause electric leakage and other accidents. Always keep the air inlet of the motor clean and unobstructed to prevent debris from accumulating at the air inlet and affecting the cooling of the motor. In addition, try not to use it in dusty environment.
If the power cord is damaged, in order to avoid danger, it must be replaced by the manufacturer, authorized maintenance center or equivalent qualified professionals. Note: The two poles of the switch are connected in parallel and used as a single pole switch.

Product Warranty Card

Dear users :
Thank you for buying our products. In order to ensure your profit, users who buy our products can contact local distributor or Specified repair stations with invoice and warranty cards if the product failures due to quality problems.

Warranty Notice:

1. From _____ (Year/Month/Day) to _____ (Year/Month/Day),If the failure happen in normal use, our company will provide free warranty, parts replacement and other services according to the failure situation.
2. This warranty card and purchase invoice are the voucher of after-sales service provided by our company to customers. The card must be detailed only after filling in the following form and affixing the official seal with the distributor.
3. In one of the following cases, free warranty service will be invalid, and maintenance fees will be required:
   (1) Exceed the expiration date.
   (2) Failure or damage caused by not following the requirements of the product manual, maintenance or improper storage.
   (3) Failure or damage caused by disassembling, repairing or modication of the product without the permission of our company.
   (4) Machine breakdown or damage caused by force majeure.
   (5) Consumable accessories.

This card is issued with the product. One card for one machine, to ensure that you can fully enjoy the right to free warranty service provided by the company, please keep this card properly, lost will not be replaced.

Purchase Date: _____ (Year/Month/Day)