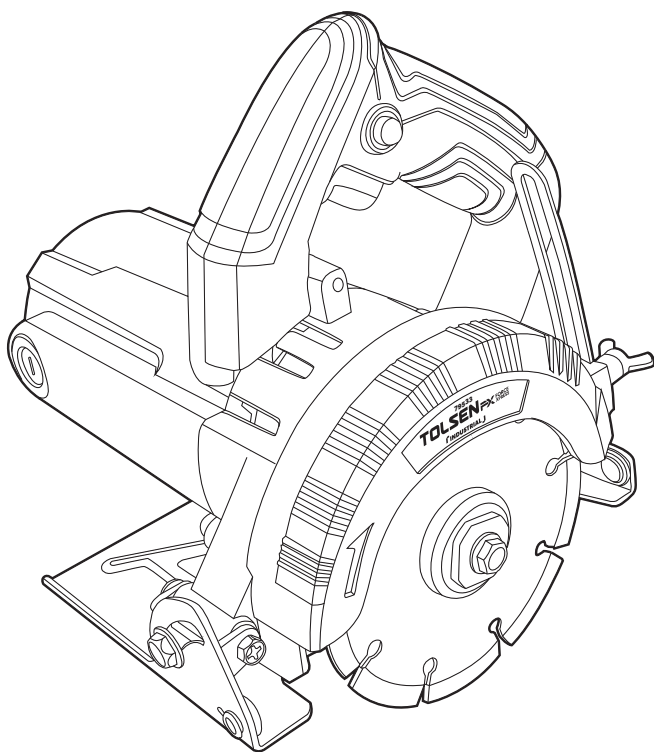


TOLSEN FORCE XPRESS

79533 MARBLE CUTTER

INSTRUCTION MANUAL 1450W 220-240V~50/60Hz



SAVE THIS MANUAL !

You will need this manual for safety instructions, operating procedures and warranty.
Put it and the original sales receipt in a safe dry place for future reference.

IMPORTANT SAFETY INFORMATION

WARNING:

read all safety warnings and 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.

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.

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 and moving parts. Damaged or entangled cords increase the risk of electric shock.
- e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

Personal safety

- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- b) Use personal protective equipment. Always wear eye protection. Protective equipment such as 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 energizing power tools that have the switch on invites accidents.
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing 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.

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.

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.

Safety instruction for marble cutter

- 1. Unplug from the power outlet before performing any kind of adjustment, change of accessory or storing the tool. These preventive safety measures reduce the risks of electrical shocks and of turning the tool on by accident;
- 2. Do not overload your tool, use it only for the adequate purpose. The correct power tool will do the job in a better and safer way. Using the power tools for purposes that are different from what is indicated in the manual might lead to hazardous situations;
- 3. Perform maintenance on your power tool. Check if the moving parts are misaligned, bent or broken, or if they bear any condition that might affect the correct operation of the machine. In case of finding an abnormality that can't be solved, or if in doubt, have the tool serviced before using it again. Many accidents are caused by lack of correct maintenance of power tools;
- 4. Keep the cutting tools sharp and clean. The proper maintenance of the tool's cutting edges prevents them from bending and improves handling.
- 5. Keep hands away from the cutting blade and the cutting area, never put your hands under the workpiece, because the cutting blade might cause serious injuries.
- 6. Properly place the tool on the workpiece before turning the equipment on. Always pay attention to the position of the cutting blade, which is exposed.
- 7. Keep hands away from the cutting blade and the cutting area, never put your hands under the workpiece, the disc spins under the workpiece and putting your hand near the cutting area will increase the risks of accidents.
- 8. Do not hold the material to be worked in your hands or put it on your leg, it's important that the material be adequately clamped down, reducing the contact with the body and the possibility of losing control of the equipment;

9. Hold your tool by the handle when working. Do not operate the tool on surfaces under which there might be electrical wires, and water or gas pipes. The contact with electrical wires or water might cause electrical shocks. The electric motor generates sparks that, if in contact with flammable gases, might cause explosion;
10. Always use blades of correct sizes and with round holes. Blades with shapes that don't match the backing flange on which they'll be assembled will work in an irregular way, causing loss of control of the tool.
11. Never use damaged or incorrect bolts or washers, the ones that come with your tool were specially manufactured for your grinder, so that they provide the best performance and guarantee the safe operation of the equipment.
12. Never plug or unplug the tool from the power outlet if either the plug or the power outlet is wet. First turn off the circuit (circuit breaker or fuse) that energizes the tool. Then, remove the plug from the power outlet and check the plug and the power outlet for presence of water.
13. Wait for the blade to come to a complete stop, note that there is a period of inertial movement before the tool stops, after it's turned off.
14. Use only accessories that are designed and compatible with the speed informed on the tool and in this manual.
15. The use of this tool might create and/or spread dust that may cause serious and permanent respiratory, and other, injuries. To reduce the exposure to these substances, work in well-ventilated places and always use dust mask.
16. This product must not be used by people who are likely to lose consciousness suddenly. Example: (Epilepsy, low or high blood pressure, sunstroke, etc.)

PRODUCT DESCRIPTION AND SPECIFICATIONS

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. While reading the operating instructions, unfold the graphics page for the machine and leave it open.

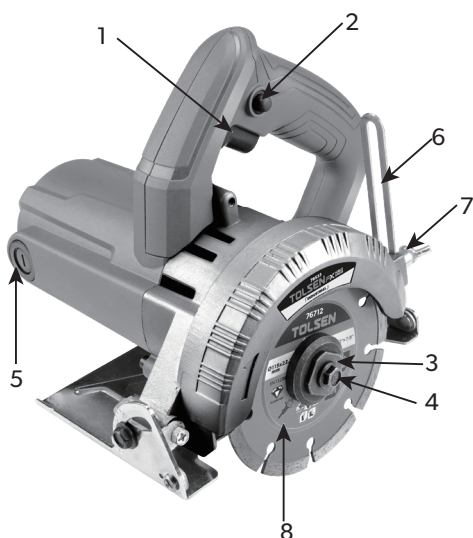
Intended Use

This tool was designed for light professional use. It must be used horizontally on a solid base and it should be used for wet cutting mineral materials such as marble, granite, etc.

Product Features

The numbering of the product features refers to the illustration of the machine on the graphics page.

1. ON/OFF button
2. Lock-on button
3. External flange
4. Clamping screw
5. Carbon brush cover
6. Cutting-depth scale
7. Depth adjustment knob
8. Diamond blade



Technical Data

Rated Voltage	220-240V
Frequency	50/60Hz
Rated input power	1450W
No load speed	13000/min
Blade diameter	125mm
Spindle thread	20mm
Max. Cutting depth	30mm
Net Weight	3.1kg
Protection class	□/II

OPERATING INSTRUCTIONS

Assembly and Operation

1. Before plugging your tool into the power outlet, check if the local power supply and your tool have the same voltage. Check if the tool is in good conditions by performing a quick visual inspection. If any abnormality is found, immediately suspend the use and contact the nearest authorized dealer for repair.
2. To turn the tool on press the on/off button. For continuous use press the lock-on button to keep the tool operating. Press the on/off button to unlock.

For assembly and disassembly adjustments, the tool must be always turned off, the power cord must be unplugged from the power outlet and the blade must be stopped.

Installing and removing the cutting blade

1. Place the blade on the backing flange
2. Tighten the flange nut firmly with the wrench and, simultaneously, turn the socket tool anti-clockwise;
3. Make sure the bolt is firmly installed;
4. Use only the recommended blade, in correct diameter and thickness;
5. To remove the disc, do the aforementioned procedure backwards; Adjusting the cutting depth:
6. To increase or reduce the cutting depth, loosen the bolt to adjust the cutting depth by turning it anti-clockwise;
7. When the desired depth is reached, fix the base by turning it clockwise;
8. The user can put the depth scale in the desired position at any moment;
9. Make sure the bolt to adjust the cutting depth is properly fixed before using the tool.

Cutting

1. Align the front part of the tool with the cut line on the workpiece. Hold the tool firmly.
2. Place the tool base on the workpiece without the blade touching it.
3. Turn on the tool and wait for the blade to achieve full speed.
4. Move the tool forward smoothly on the surface of the material until the cut is finished. The cut line must be continuous.
5. This tool must be used only in horizontal surfaces.
6. Move the tool smoothly in a straight line. Forcing, excessively pressing or letting the blade bend or get stuck in the cut might cause the motor to overheat and make the tool jolt dangerously.
7. For cutting deeper than 20 mm, make 2 or more notches to prevent the motor from bogging down.

Adjustment of depth cutting: loose butterfly nut slowly and push the base plate to have the adjustment properly, the cutting depth shall not over 20mm at most.

Motor brushes

Make sure the tool is unplugged from the power outlet and the blade is stopped!

1. Remove the cover of the access port to the motor brushes and check the brushes regularly. Replace the motor brushes when they are 6mm or shorter.
2. Keep the motor brushes clean so that they move freely on the support. The two motor brushes must be replaced together.
3. Use only TOLSEN motor brushes.
4. Remove the old motor brushes, insert the new ones and fix the cover.

Assembling the wet cutting system

Use the wet cutting system only when the tool is protected by a circuit breaker for stray voltage.

1. The wet cutting system is used to reduce the dust production in the air, improve the quality of the cut and increase the life span of the blade.
2. Connect the hose to the flow control valve.
3. Connect the hose to the water supply point.
4. Align the flow control valve set with the hole for the screw on the body of the tool.
5. Tighten it firmly with the screw.

CLEANING AND MAINTENANCE

Before performing any cleaning or maintenance, unplug the tool from the power grid;

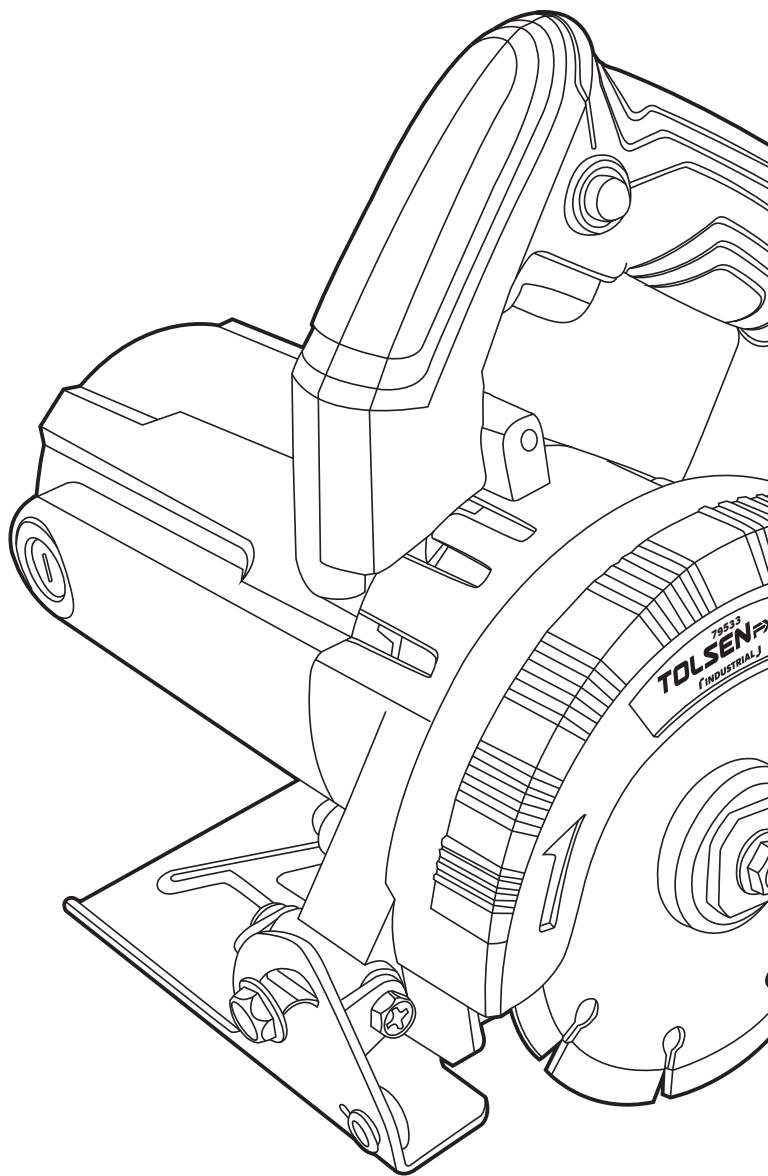
After use, clean the tool with a damp cloth (do not pour water on the tool) and store it in a clean, dry place protected from moisture and dust. Keep your tool out of reach of children and people unfamiliar with the use of the equipment.

Do not pull or carry the tool by the electric cord or allow its contact with edges, sharp elements, rough surfaces, oil or chemicals that may damage its flexible and insulating properties;

Do not move the tool with the trigger locked in the "on" position;

If required to perform any repair or replacement of the electric motor brushes, contact the nearest assistance.

Original parts must be used. The use of non-original parts results in warranty loss and may cause damage to the equipment or injury.



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