

# 24x12cm(2020.12.15)

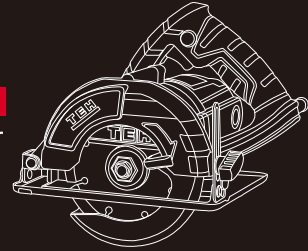


[www.tehtools.com](http://www.tehtools.com)

Marble Cutter

**TC11013 TC12513**

To Be Your Exclusive Helper



# TEH

## TECHNICAL SPECIFICATION

Model	TC11013	TC12513
Rated voltage	220V 50Hz	220V 50Hz
Rated input power	1280W	1280W
Blade diameter	110mm	125mm
No-load speed	13000r/min	13000r/min
Max. cutting depth	28mm	30mm

## COMPONENTS AND ACCESSORIES



**Accessories included:**

- 1 instruction manual
- 1 woodworking saw blade
- 1 diamond disc
- 2 wrenches
- 2 spare carbon brushes

## WARRANTY CARD

Dear customers, the warranty service for purchasing TEH products is as follows:

Under normal use, the wear of the rotor steering gear is less than 0.2 mm within three months from the date of purchase. It is guaranteed that the damage is caused by the quality of the tool.

The following conditions occur during the warranty period, not covered by the warranty:

- Any valid legal document (single ticket) certifying the date of purchase
- Any damage caused by natural wear and overload
- Any damage caused by the use of low-priced inferior accessories
- Any damage caused by improper carrying, transportation or storage
- Any product that has been opened, repaired, replaced, or modified by itself
- Any damage caused by misuse, beyond the scope of use of the tool, and failure to use and maintain in accordance with the instructions.

-----  
 ladies/gentlemen : \_\_\_\_\_ employer : \_\_\_\_\_

contact number : \_\_\_\_\_ fax number : \_\_\_\_\_

contact address : \_\_\_\_\_

warranty record : \_\_\_\_\_

post code : \_\_\_\_\_

### IMPORTANT NOTE

- The invoice and warranty card must be presented at the time of warranty.
- The fuselage number on the invoice is the same as the fuselage number on the warranty card.
- Once this warranty card is issued, if it is lost, it will not be reissued. Please keep it properly.

Note: The company reserves the right to amend the above provisions and has the final interpretation right in the case that the warranty service does not violate national laws.

## SAFETY INSTRUCTIONS

### WARNING ⚠

Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or other serious injury. The term “power tools” in all of the warnings listed below refers to mains-operated (corded) power tool or battery operated (cordless) power tool.

### WORK AREA

- Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

### ELECTRICAL SAFETY

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tools. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increases 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.

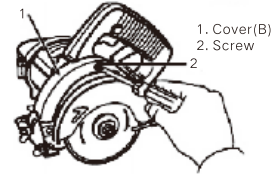
## PERSONAL SAFETY

- 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 safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce the risk of personal injuries.
- c) Avoid accidental starting. Ensure the switch is in the off-position before plugging in. Carrying power tools with your finger on the switch or plugging in the 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 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 these devices 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 before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

When changing the wheel, clean the cover (B) at the same time. Loosen the screw securing the cover (B) and remove the cover (B). Wash off accumulation of dust inside the cover (B) and wipe it. Then attach the cover (B) to the tool by tightening the screw. Accumulation of dust inside the covers may cause a malfunction of the tool.



## CAUTION ⚠

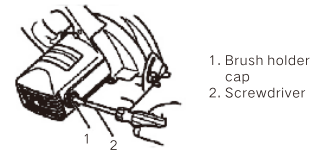
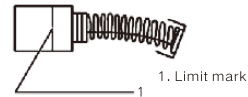
When using the tool, be sure to attach the covers (A) and (B).

## REPLACING CARBON BRUSHES

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.

First, remove the cover (A).

Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.



## MAINTENANCE

### CAUTION

**Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.**


### DRESSING DIAMOND WHEEL

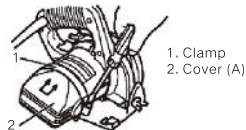
If the cutting action of the diamond wheel begins to diminish, use an old discarded coarse grit bench grinder wheel or concrete block to dress the diamond wheel. To do this, tightly secure the bench grinder wheel or concrete block and cut in it.

### AFTER USE

Blow away dust from the inside of the tool by running the tool at an idle for a while, Brush off accumulation of dust on the base. Accumulation of dust in the motor or on the base may cause a malfunction of the tool.

### CLEANING COVERS

When accumulation of dust on the cover (A) looks excessive, loosen the clamp and remove the cover (A). Wash off accumulation of dust inside the cover (A) and wipe it. Then install the cover (A) on the tool so that its side with "Upside  "mark faces upward. Push the cover (A) toward the motor as far as it will go and secure it by tightening the clamp.



d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with 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, breakage or parts and any other condition that may affect the power tools operations. 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 and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could result in a hazardous situation.






### SERVICE

a) Tool service must performed only by qualified personnel. Service or maintenance performed by unqualified personnel could result in risk of injury.

b) When servicing a tool, use only identical replacement parts. This will ensure that the safety of the power tool is maintained.

## IMPORTANT NOTE

### SYMBOLS

-  Read the manual
-  Warning
-  Wearing protection
-  Double insulation
-  WEEE marking

### WARNING

Before using your marble cutter be sure to read the instruction manual carefully.

## OPERATION INSTRUCTIONS


### CAUTION

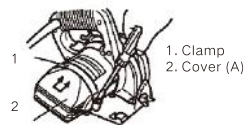
Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

### CAUTION

Do not connect the adaptor directly to a faucet. If you do so, the vinyl tube may come off the water pipe during operation.

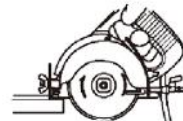
### INSTALLING COVER (A)

Install the cover (A) on the tool so that its side with "Upside  " mark faces upward.



### OPERATION

Adjust the amount of water flow. Hold the tool firmly. Set the base plate on the workpiece to be cut without the wheel making any contact. Then turn the tool on and wait until the wheel attains full speed. Now simply move the tool forward over the workpiece surface, keeping it flat and advancing smoothly until the cutting is completed. Keep your cutting line straight and your speed of advance uniform.



### CAUTION

**THIS TOOL SHOULD ONLY BE USED ON HORIZONTAL SURFACES.**

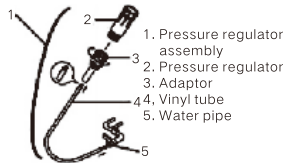
Be sure to move the tool forward in a straight line and gently. Forcing and exerting excessive pressure or allowing the wheel to bend, pinch or twist in the cut can cause overheating of the motor and dangerous kickback of the tool.

Since excessive cutting may cause overload of the motor, the depth of cut should not be more than 20 mm (13/16") at a pass. When you wish to cut more than 20 mm (13/16") deep, make a couple of passes with progressively deeper settings.

Adaptor	For connecting 1/4" vinyl tube to a faucet 3/4" swivel x 1/4" adaptor
Vinyl tube	1/4 in outer diameter X 11/16 in inner diameter X 18 in length
Water pipe	For adjusting the amount of water flow

Assemble the above parts hand tight as flow:

1. Cut the vinyl tube at an angle for easier insertion. Push the end of the vinyl tube into the end of the adaptor using a combination pushing and twisting motion.
2. Screw the pressure regulator tight on a the adaptor.
3. Connect the vinyl tube firmly to the water pipe.

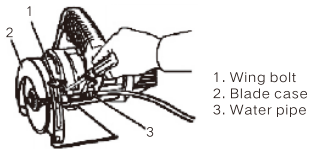


## INSTALLING WATER PIPE

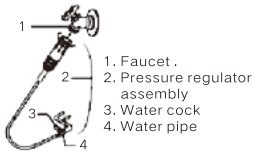
First, unplug the tool. Loosen the wing bolt on the depth guide and move the base down. Install the water pipe on the blade case using the screw.

Screw the pressure regulator tight on a faucet.

Adjust the amount of water flow by simply adjusting the water cock.



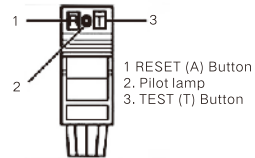
1. Wing bolt
2. Blade case
3. Water pipe



1. Faucet .
2. Pressure regulator assembly
3. Water cock
4. Water pipe

## GROUND FAULT CIRCUIT INTERRUPTER

Connect the tool to a power supply and test the Ground Fault Circuit Interrupter (GFCI) before using the tool. Push the RESET (R) button and confirm that the pilot lamp lights. Push the TEST (T) button and confirm that the pilot lamp goes out. Push the RESET (R) button again to use the tool.

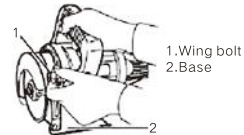


### WARNING ⚠

**Do not use the tool if the pilot lamp does not go out when the TEST (T) button is pushed.**

## ADJUSTING THE DEPTH OF CUT

Loosen the wing bolt on the depth guide and move the base up or down. At the desired depth of cut, secure the base by tightening the wing bolt.



1. Wing bolt
2. Base

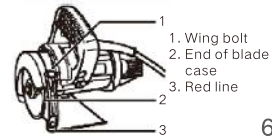
## BEVEL CUTTING

Loosen the wing nut on the bevel scale plate on the front of the base. Set for the desired angle (0° - 45°) by tilting accordingly, then tighten the wing nut securely.



1. Wing nut

Loosen the wing bolt on the depth guide and move the base so that the end of the blade case is above the red line on the depth guide. Then tighten the wing bolt to secure the base.



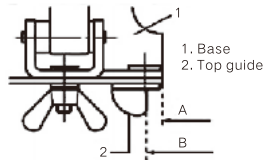
1. Wing bolt
2. End of blade case
3. Red line

**CAUTION** ⚠

If the end of the blade case is under the red line on the depth guide, the outer flange may hit the workpiece when you perform the bevel cut.

**SIGHTING**

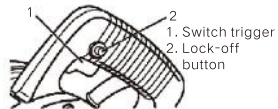
For straight cuts, align the A position on the front of the base with your cutting line. For 45° bevel cuts, align the B position with it.

**SWITCH ACTION****WARNING** ⚠

Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

To prevent the switch trigger from being accidentally pulled, a lock-off button is provided.

To start the tool, depress the lock-off button and pull the switch trigger. Release the switch trigger to stop.

**ASSEMBLY****CAUTION** ⚠

Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

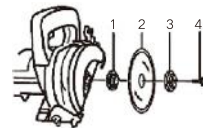
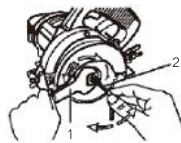
**INSTALLING OR REMOVING DIAMOND WHEEL**

Hold the outer flange with the wrench and loosen the hex socket head bolt clockwise with the hex wrench. Then remove the hex socket head bolt and outer flange.

Install the diamond wheel, outer flange and hex socket head bolt onto the spindle. Hold the outer flange with the wrench and tighten the hex socket head bolt counterclockwise with the hex wrench. BE SURE TO TIGHTEN THE HEX SOCKET HEAD BOLT SECURELY.

**CAUTION** ⚠

Use only the TEH wrench to install or remove the wheel.

**PRESSURE REGULATOR ASSEMBLY**

Use the pressure regulator assembly to connect to water source. It consists of the following parts.

Part name	Description
Pressure regulator	Preset at about 15 psi. 3/4" female hose thread (inlet) x 3/4" male hose thread (outlet) Flow capacity: Maximum 390 GPH, minimum 10 GPH inlet pressures: Maximum 100 psi, minimum 25 psi.