

Cutter's Way® Wet Stone Cutter Instruction Manual

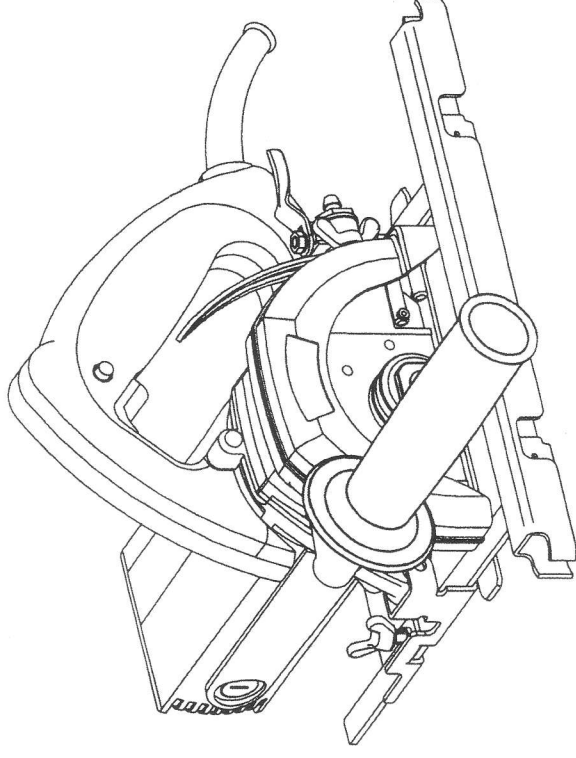


TABLE OF CONTENTS:

Safety instructions.....	2
Instructions.....	4
Technical data.....	4
Safety advice.....	4
Usage.....	5
Main connection.....	5
Instruction for installing the felts strips.....	5
Installation of water attachment.....	6
Water flow.....	7
Assembling and disassembling.....	7
Straight Blade Installation.....	8
Curve Cutting Blade Installation	8
Switching on and off.....	9
Adjusting cutting depth.....	10
Using the Ruler Guide.....	10
Wet Stone Cutter schematic.....	12
Wet Stone Cutter parts list.....	13

SAFETY INSTRUCTIONS: ⚠

Read all these instructions before attempting to operate this product. Save these instructions in a safe place for future reference.

Warning: When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following.

For Safe Operation:

- 1. Keep work area clean**
Cluttered areas and benches invite injuries.
- 2. Consider work area environment**
Don't expose power tools to rain. Don't use power tools in damp or wet locations without GFCI protection. Keep work areas well lit. Do not use the tool in presence of flammable liquids or gases.
- 3. Guard against electric shock**
Prevent body contact with grounded surfaces. For example: pipes, radiators, ranges, and refrigerator enclosures; use grounded outlets.
- 4. Keep children and visitors away**
Do not let visitors contact tool or extension cord. All visitors should be kept away from work area. Keep out of reach of children.
- 5. Tool Storage**
When not in use, tools should be stored in a secure dry location. A locked storage area or high shelf out of children's reach is ideal.
- 6. Don't force the tool**
It will do the job better and safer at the rate for which it was intended.
- 7. Use the right tool**
Don't force a small tool or attachment to do the job of a heavy-duty tool. Don't use the tool for purposes it is not designed for – (for example – don't use stone cutter for cutting tree limbs or logs.)
- 8. Dress properly**
Do not wear loose clothing or jewelry. Items such as these can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- 9. Use safety glasses**
Also use face or dust mask if cutting operation is dusty.
- 10. Don't abuse the electric cord**
Never carry the tool by the electrical cord or pull it to disconnect from receptacle. Keep the electrical cord from heat, oil and sharp edges.

11. **Secure work**

Use clamps or a vise to hold work. It's safer than using your hand and it allows both hands to operate tool.

12. **Don't overreach**

Keep proper footing and balance at all times.

13. **Maintain tools with care**

Keep tools sharp & clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool electrical cord periodically and if damaged, have it repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.

14. **Disconnect tools**

Disconnect the tool from the power supply when not in use, before servicing, and when changing accessories, such as blades, bits, cutters.

15. **Remove adjusting keys and wrenches**

Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.

16. **Avoid unintentional starting**

Don't carry a plugged-in tool with finger on switch. Be sure switch is off when plugging in.

17. **Outdoor use extension cords**

When tool is used outdoors, use only extension cords intended for use outdoors and so marked.

18. **Stay alert**

Watch what you are doing. Use common sense. Do not operate tool when you are tired or on medication.

19. **Check for damaged parts**

Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use the tool if it cannot be turned on and off by the switch.

20. **Warning**

The use of any other accessory or attachment other than recommended in this instruction manual or the catalog may present a risk of personal injury and could invalidate any warranty.

21. **Only qualified technicians should repair this tool**

This electric tool is manufactured in accordance with the standard safety rules. Only experts may carry out the repair of electric tools, otherwise it may cause considerable danger for the operator.

INSTRUCTIONS:

In order to obtain the maximum effectiveness and provide the highest degree of safety, it is necessary to review and follow these instructions carefully before using the tool.

TECHNICAL DATA:

Power	115V - 60Hz 220V-50Hz 1200W
Normal power (W)	12,000 R.P.M.
No-load speed (min ⁻¹)	5" / 125mm
Cutting disk diameter	7/8" / 22mm
Arbor	1-5/8" / 41mm
Max. cutting depth	8.59lbs/3.9kg
Weight	

SAFETY ADVICE:

- Please note safety instructions on Page 2 - 3.
- Do not pierce the motor housing as this could damage the double insulation.
- Always remove plug from the outlet before making any changes to the settings or carrying out maintenance.
- Only plug-in when machine is switched off.
- Keep power cable clear from working range of the machine. The power cable should always lead away from you and behind the operating area.
- Before use, check the machine, cable and plug for any damages or material fatigue, only authorized service agents should carry out repairs.
- After switching off, the machine will not idle down immediately. Allow the machine to come to a complete stop before putting it down.
- Always wear safety glasses and ear protection when working with this machine. It is further recommended to wear safety gloves, apron, as well as sturdy non-slipping shoes.
- Only use tools whose permitted speed is at least as high as the highest no-load speed of the machine.

INSTALLATION OF WATER ATTACHMENT:

1. Remove the wing bolt and washer for adjusting the cutting depth. (See Figure-1)
2. Raise cutting depth so there is room between the body and the base plate. (See Figure-1)
3. Insert the plastic nozzle on the water feed assembly behind the height adjustment slide. Make sure that the bridge (Part No. 35) is in front of the slide. If your blade is already installed, the plastic nozzles should be positioned so that each nozzle directs water spray onto each side of the blade. (See Figure-2 & Figure-3)

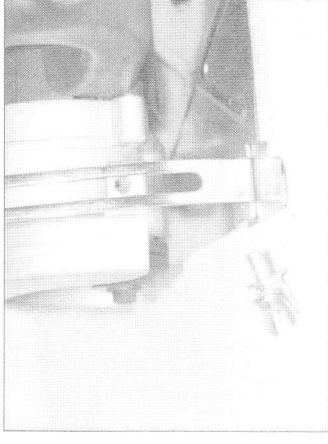


Figure-1

4. Align the bridge with the wing nut hole and insert wing bolt. (See Figure-4)

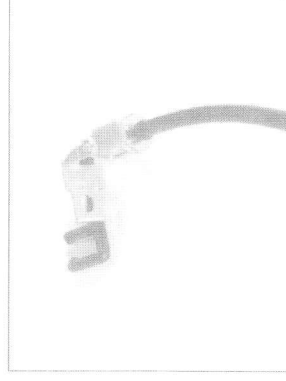


Figure-2

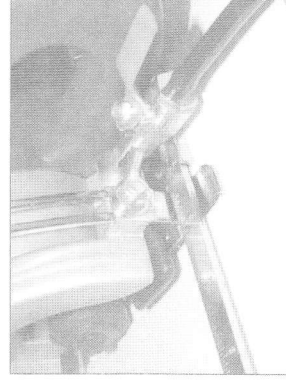


Figure-3

5. Adjust the height of the blade and securely tighten the wing bolt.

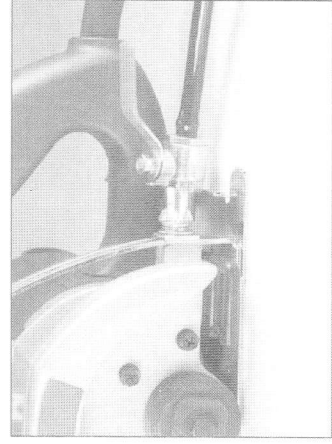


Figure-4

- Be sure cutting disk fits tool properly and securely. Do not modify the tool to force fit the blade. For example do not remove blade guard.
- Check cutting tools before use. The cutting tool must be properly mounted and turn freely. Perform a test run for at least 30 seconds without any load. Do not use damaged, out of round or vibrating cutting tools.
- Immediately switch off the machine in case of considerable vibrations or if other malfunctions occur. Check the machine in order to find out the cause.
- Always use and store the cutting disks according to the manufacturer's instructions. The bolt must be tightened before starting to work with the machine.
- The work piece must be secured if it is not heavy enough to prevent movement.
- Do not use emery wheel.
- The tool is designed for cutting on horizontal surfaces.

USAGE:

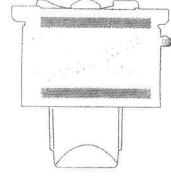
This stone cutter can be used for cutting many different materials, e.g. tile, concrete, stone or glass. In case of doubt please read the manufacturer's instruction. Do not use this product in any other way as stated for normal use.

MAIN CONNECTION:

Connect only to single-phase AC current supply and only to the main voltage specified on the rating plate. Connection to sockets without ground protection is possible as the appliance features protective insulation to DIN 571740/VDE 0740 and CEE 20. Radio suppression complies with the European standard EN 55014.

INSTRUCTIONS FOR INSTALLING THE FELT STRIPS ON BASE PLATE:

1. Wipe base plate with a clean rag to remove any dirt or residue.
2. Peel off film from the pressure sensitive adhesive on the enclosed felt strips.
3. Place strips on base plate parallel with the blade and press into place.



WATER FLOW: ⚠

Connect only to an isolating transformer when using water flow.

Connect the nylon hose onto the penstock, then connect the adapter on the nylon hose to the water faucet.

Simply adjust the volume of the water flow by the penstock.

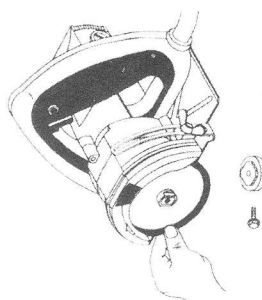
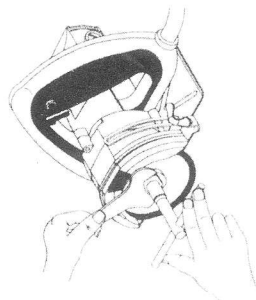
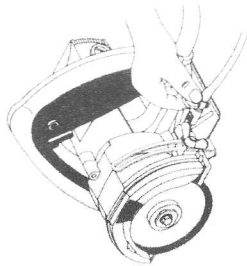
ASSEMBLING & DISASSEMBLING: ⚠

Make certain to switch off the machine and unplug from outlet before assembling or disassembling of the working tool.

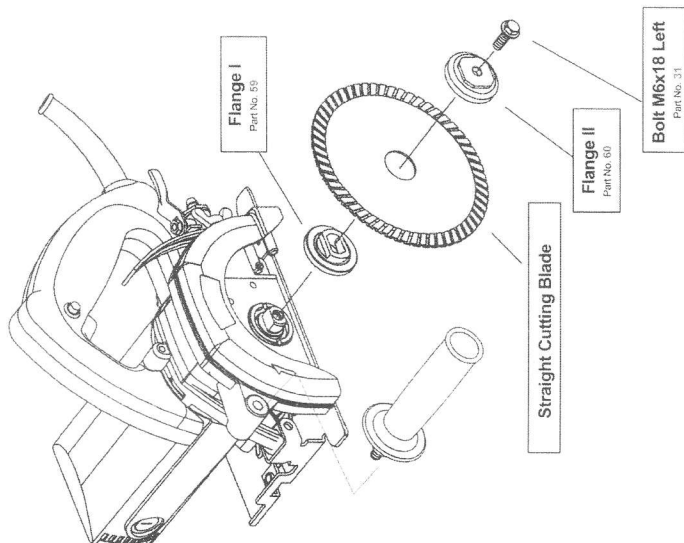
Clamp the flange with spanner and loosen bolt by the box spanner clockwise. Disassemble bolt, flange and working tool.

Please follow the same but reverse procedures when reassembling the working tool.

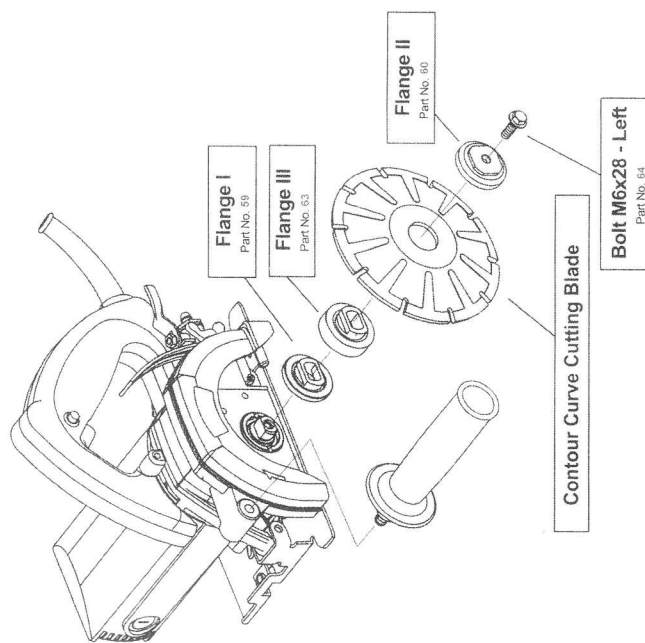
Be sure the direction shown by arrow on the surface of the working tool is the same as that shown on the cap of the machine. Make certain the bolt is firmly tightened.



STRAIGHT BLADE INSTALLATION



CURVE CUTTING BLADE INSTALLATION



SWITCHING ON AND OFF:

Intermittent use

Switching on: Press switch trigger

Switching off: Release switch trigger

Continuous use:

Switching on: Press the on/off switch and then the locking button; release on-off switch.

Switching off: Press the on/off switch and then release.

SERVICE:

Keep the machine and the ventilation slots clean. Should components which have been described need to be exchanged please contact your dealer

Ground Fault Circuit Interrupter:



DANGER!

A Ground Fault Circuit Interrupter (GFCI) is mounted at the end of power supply cord. The GFCI goes OFF when water enters inside the tool's housing preventing the operator from receiving electric shocks.

When the GFCI goes OFF, the Reset button pops up.

This is the result of water entering the circular saw housing.

Turn OFF the power switch and blow dry air inside the motor cover through the air vents.

Press the GFCI Reset button. The circular saw is ready to start working after the reset button is pressed down. (Figure-5)

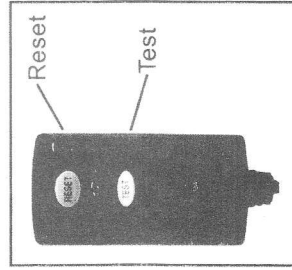


Figure-5

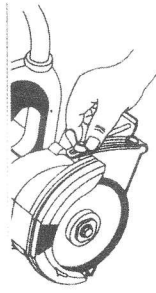


WARNING!!

1. Do not remove the GFCI.
2. Check items below when the GFCI goes OFF frequently.
 - Force applied on the circular saw.
 - Water entered inside the circular saw.
 - Voltage drop due to sharing the same power source in work area.

ADJUSTING CUTTING DEPTH:

Loosen the wing bolt on the depth indicator and move the base floor up and down to the desired cutting depth and tighten the wing nut to fix the base floor.



Remember to tighten the wing bolt after you finish the adjustment of the cutting depth each time, otherwise the diamond-cutting disk would be damaged.

RULER GUIDE USAGE OPTIONS:

You have three options with the ruler guide according to your application as follows. Install the ruler on the wet stone cutter by inserting the arms into the appropriate slots on the base plate and tightening the screws to secure the ruler in place. When cutting, simply keep the ruler in contact with edge of stone or the straight edge while maintaining even cutting pressure and your cuts will be straight.

When using the edge of the stone as your guide, install the ruler guide downward (Figure-6) so that the ruler guide would be below the base plate and the inner side of the ruler guide would follow the edge of stone. Measure the distance from the edge to the intended cut and use this measurement to set the ruler at the proper distance.

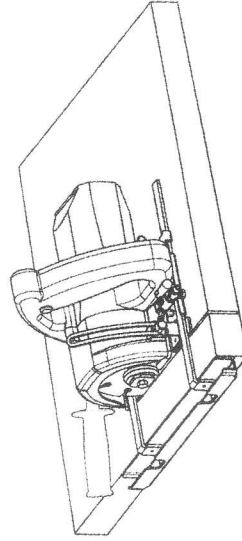


Figure-6

USING THE RULER GUIDE (continued)

When using the straight edge as a guide, install the ruler guide upward (Figure-7) so that the ruler guide would be above the base plate and the outer edge of the ruler guide would follow the edge of straight edge. Measure the distance from the straight edge to the intended cut and use it to set the ruler at the proper distance.

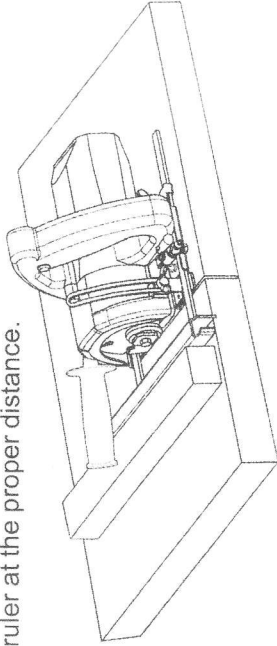


Figure-7

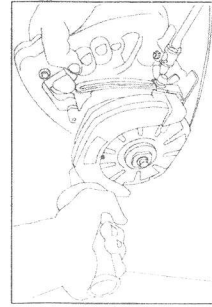
CURVE CUTTING APPLICATION

When cutting the curved line, you can remove the ruler guide and cut free-hand. (Figure-8)

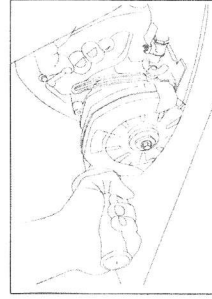
Step 1. Score along the cutting line.

Step 2. Step-cut along scored line.

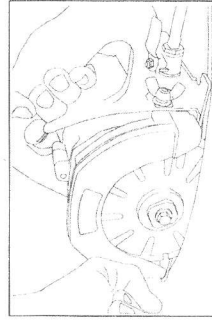
Step 3. Plunge cut all the way to make full contact between bottom plate and stone, then maintain even cutting pressure to follow curved cut line.



Step 1



Step 2



Step 3

Figure-8



WARNING!!

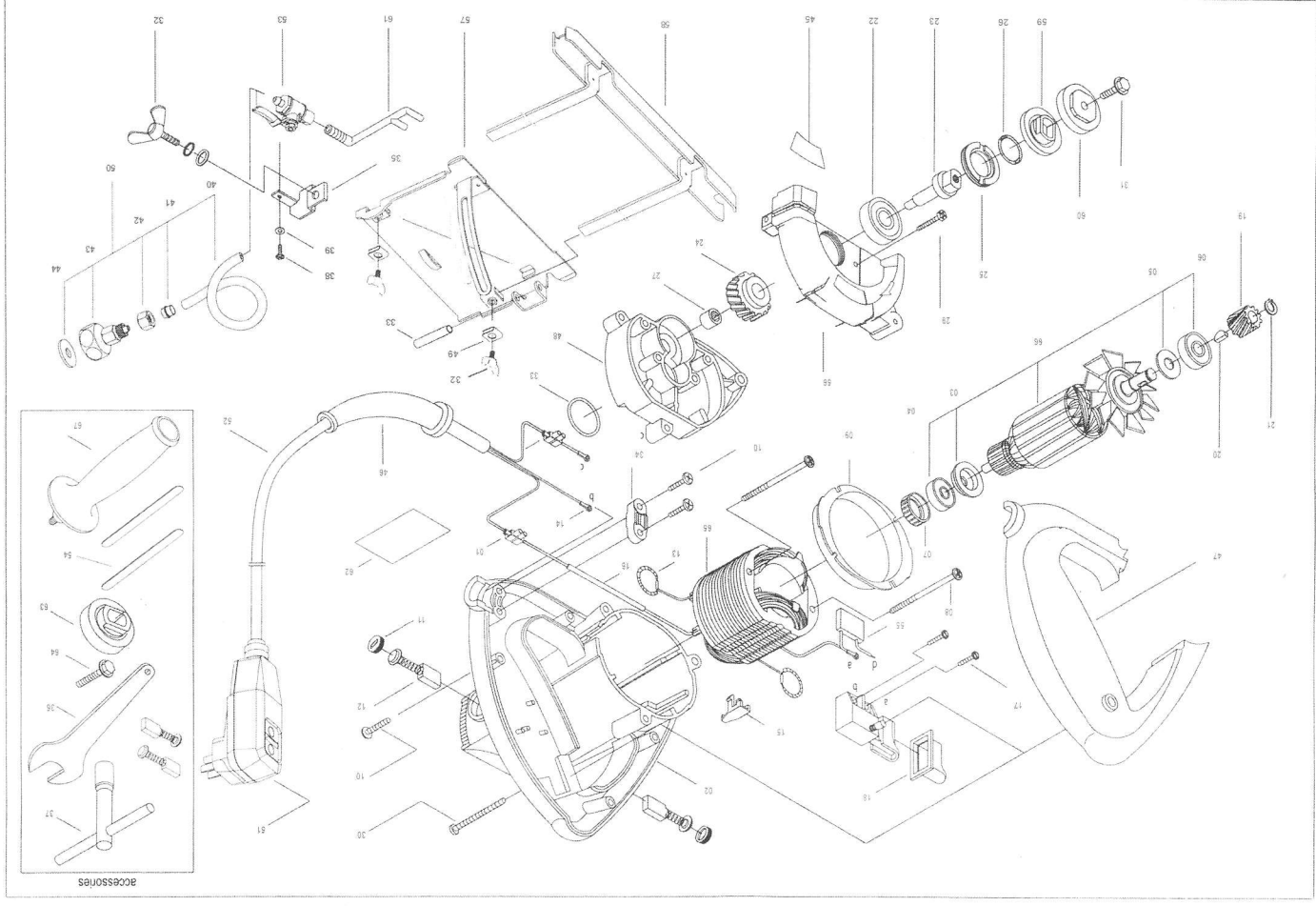
Support the sink cutout area; sinkhole cutout piece may drop to the floor at the end of cutting application, if not supported.

1. Support the sink cutout area prior to cutting, otherwise the work piece may drop to the floor at the end of the cutting application.

2. Use the high quality contour Cutting blade only. Application with inferior blades may cause damage to the stone cutter.

3. Do not force the stone cutter during the cutting application. Allow the blade to cut at its own pace. Excessive force may damage the stone cutter.

WET STONE CUTTER SCHEMATIC:



WET STONE CUTTER PARTS LIST:

Drawing No:	Description:	Piece:
01	terminal	2pcs
02	housing (blue)	1pc
03	insulation disc	1pc
04	ball bearing 608-2RZ (8×22×7)	1pc
05	bearing cover	1pc
06	ball bearing 629-2RZ (9×26×8)	1pc
07	bearing sleeve	1pc
08	self-taping screw ST4.8×65-F-H	2pcs
09	air bridge	1pc
10	self-taping screw ST3.9×19-F-H	7pcs
11	brush cap	2pcs
12	carton brush assembly	4pcs
13	brush terminal assembly	2pcs
14	terminal	2pcs
15	cable clamp	2pcs
16	insulation pipe	2pcs
17	switch (with screw)	1pc
18	dust sleeve	1pc
19	gear (small)	1pc
20	woodruff key	1pc
21	ring 8	1pc
22	ball bearing 6201-2RS(12×32×10)	1pc
23	spindle	1pc
24	gear (big)	1pc
25	screw cap	1pc
26	O ring 18×2.5	1pc
27	needle bearing BK0810(8×12×10)	1pc
28	O ring 25.5×2	1pc
29	bolt assembling M4×25 (8.8 grade)	4pcs
30	bolt assembly M5×40 (8.8 grade)	3pcs
31	bolt M6×18-left (8.8 grade)	1pc
32	wing bolt (with screw)	3 pcs
33	pin 6×28	1pc
34	cable clip	1pc

WET STONE CUTTER PARTS LIST (continued)

Drawing No:	Description:	Pieces:
35	bridge	
36	wrench	1pc
37	box wrench	1pc
38	screw M3×5 (8.8 grade)	1pc
39	washer 3	1pc
40	hose	1pc
41	sleeving connector	1pc
42	screw cap	1pc
43	joint	1pc
44	sleeving washer	1pc
45	brand poster	1pc
46	cable sleeve	1pc
47	handle	1pc
48	gear box	1pc
49	washer for ruler	2pcs
50	water attachment	1pc
51	GFCI	1pc
52	cable	1pc
53	water valve	1pc
54	felt strip	2pcs
55	suppressor assembly	1pc
56	cover	1pc
57	base plate assembly	1pc
58	TT ruler guide	1pc
59	flange I	1pc
60	flange II	1pc
61	nozzle	1pc
62	rated plate	1pc
63	flange III	1pc
64	bolt M6×28-left (8.8 grade)	1pc
65	field	1pc
66	armature	1pc
67	forward handle	1pc