

ROTARY HAMMER
BH1600, BH1700, BH2150, BH2150N, BH2200, BH2350
OPERATING MANUAL

Rotary hammer T.I.P. - a reliable tool that can operate in three modes: drilling, drilling with impact, hammer drilling. The tool is intended for breaking, drilling, scraping in concrete and other similar materials, such as piping, cables, installation of plumbing products, other materials.



BH1600



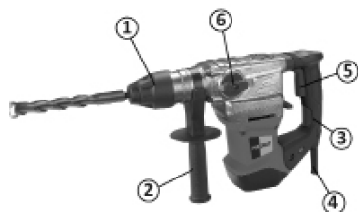
BH1700



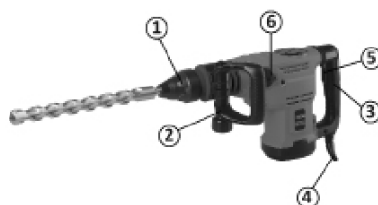
BH2150



BH2150N



BH2200



BH2350

Fig. 1

1 – closing sleeve;
 2 – side stick;
 3 – rear handle;
 4 – power cord;

5 – power switch;
 6 – mode switch "impact",
 "drilling", "drilling with impact".

SAFETY

WARNING!

Carefully read all instructions. Failure to follow all the instructions mentioned below, can cause electric shock, fire and / or serious personal injury.

1. Keep your work area clean and well lit. Cluttered surfaces and darkened room may be the cause of the accident.
2. Do not use the instrument in an explosive atmosphere, ie, in the presence of explosive liquids, gases and dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep visitors and children away from the place of use of power tools. Distraction from work can lead to loss of control.
4. Do not overtax the power cord. Never use the cord to carry the power tool. Keep the cord away from heat, oil, sharp edges or moving parts. Replace damaged cord immediately. Damaged cords increase the risk of electric shock.
5. Working with a power tool outdoors, use an extension cord designed for outdoor use, labeled «WA» or «W». These types of cords designed for outdoor use and reduce the risk of electric shock.
6. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
7. Avoid inadvertent inclusion. Make sure that switch is "OFF" before turning into an outlet.
8. Remove the key settings or wrenches before turning the tool. The key is left in the moving parts of the tool may be the cause personal injury.
9. Use special protective gear for safety. Always wear safety goggles.
10. Do not use excessive force when operating the tool. Use only a sharp edged tool. He will perform the job better and safer if will work with the power to which it was designed.
11. Disconnect the plug from the power source before you make a setting change of accessories or tool to keep in storage. Store idle tools in places inaccessible to children.
12. Maintain tools. Keep cutting tools sharp and clean. Carefully maintained tools with sharp cutting parts will not bind and are easier to control.
13. Check the alignment tool, and seizure of moving parts, breakage of parts and any other conditions that may affect the operation tool.

14. Use only accessories recommended by the the manufacturer for your model. Spare parts that fit a single instrument can be dangerous for another.

ADDITIONAL SAFETY RULES

1. Always wear a safety helmet (helmet), goggles and / or face shield, and is recommended to use a dust mask, ear protectors and thick cotton gloves.
2. Before starting work, make sure that the drill bit is securely fastened in the holder.
3. Before operating, check the degree of tightening the screws. In normal operation, the machine vibrates.
4. Screws can come in a weakened state, and this can cause an accident or an accident.
5. In the cold season or after long storage before work give Hammer a few minutes to work with no load, it will loosen grease without which the work is in the mode of attack would be impossible.
6. Always watch footing. When working at height, ensure the absence of someone under you.
7. Hold the tool firmly in hand. Always use the side handle.
8. Do not touch the rotating parts of the instrument.
9. Do not point the hammer in the direction of living objects.
10. Do not leave the tool running unattended. Produce included only when it is in their hands.
11. When working in walls and floors, which can be conductive objects do not touch the metal parts of the instrument in order to avoid electric shock when in contact with conductive objects hold the tool only for the isolated surface.

POWER SUPPLY

The instrument must be connected to the voltage corresponding to the voltage indicated on the marking label. Using a low voltage current can overload the tool. Type of current - AC, single phase. In accordance with European standards, the tool has a dual degree of protection against electric shock and, therefore, can be connected to an ungrounded outlet.

Model	BH1600	BH1700	BH2150	BH2150N	BH2200	BH2350
Power	1600 W	1700 W	2150 W	2150 W	2200 W	2350 W
Voltage	220 V	220 V	220 V	220 V	220 V	220 V
Current frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Frequency of idling	780 rpm	0-820 rpm	0-850 rpm	0-800 rpm	950 rpm	350 rpm
Impact energy	4J	4 J	4,5 J	6 J	6 J	25 J
Weigh	6.0 kg	4.5kg	4,8 kg	7.0 kg	5.2 kg	11.5 kg

OPERATING INSTRUCTIONS

To install the tool:

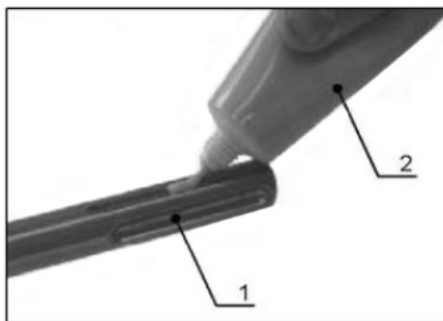


Fig. 2

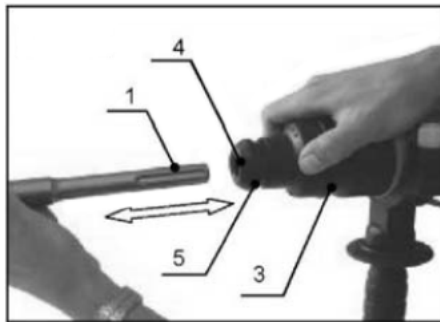


Fig. 3

1. Clean the tool shank (item 1. Figure 2) and lightly grease with grease grease (Item 2, Figure 2).
2. Pull back the locking sleeve (item.2. Figure 3)
3. With the simultaneous rotation of the tool in the tool, enter the slot (Item 4. Figure 3) until it stops.
4. Loosen the locking sleeve.
5. Check the strength of the planting tool.
6. Check for damage dust cover (item.5. Figure 3).

**WARNING!**

If the dust cover is damaged, it must necessarily be replaced!

To remove the tool take away the locking sleeve (Item.2. Figure 3) back and pull out the tool.

Your hammer can be operated in two modes:

1. **Rotation with a bang** - This mode is designed for drilling concrete, brick, stone and foam.
2. **Strike** - This mode is intended for demolition work on the brick and masonry materials and concrete-containing chipping tiles.

Rotation with a bang.

To set the hammer drilling must be the lever (Item 6. figure 4) rotate the firing mechanism on the symbol "drill."

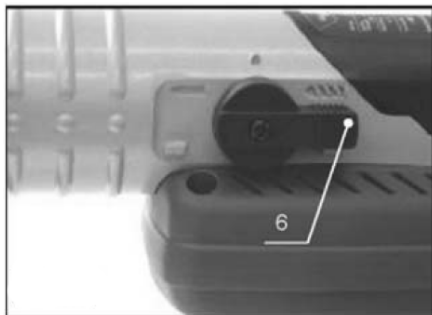


Fig. 4

**ATTENTION!**

- Switch mode can only be in a position to a full stoppunch.
- In the process of drilling, hammering action is prohibited to put a lot of effort hammer, it can only slightly be sent. The increased effort does not increase the force of impact, and only creates unnecessary extra load on the engine!
- For maximum performance in drilling, hammering action should be to work at maximum speed.
- In order to avoid rapid wear of the striking mechanism, make sure that the switch lever was always fixed in either of two operating positions.
- mode of attack
- To set the stroke to the lever (pos.6. Figure 5) the impact mechanism to rotate the symbol "chisel."

**ATTENTION!**

If you feel that the gears are not included in the link, turn the chuck by hand. Do not apply excessive force to the switch.

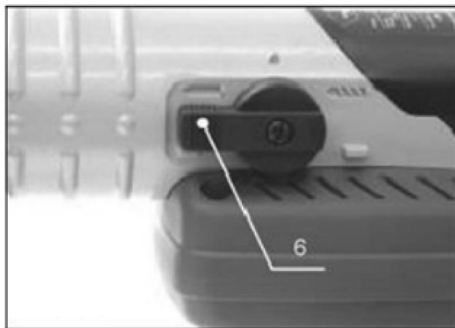


Fig. 5

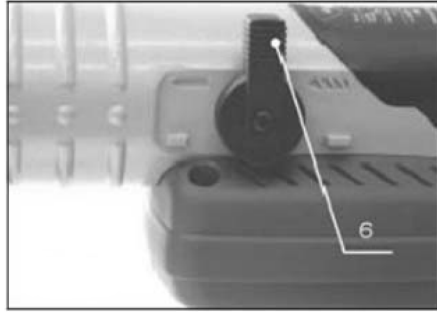


Fig. 6

Setting the bit

Before you install the bit, make sure that the drill is turned off and unplugged.

The lever mechanism of the shock set in an intermediate position. Now, the bitYou can manually rotate to the desired position. Then againstset the lever mechanism of the shock to position "bit." Chisel locks into position.

If the switch is latched in this position, a littlerotate the drill bit by hand.

The lever mechanism of the shock must be accurately set in position. Not use a hammer as a scrap! After working in the mode of attack should be allowed to work in the hammer drilling mode to break up grease.

Bounce only small particles of material, so your work will be more productive.

When chiseling work before you start be sure to check out securely whether the bit is fixed in the working position.

Install of the side handle



ATTENTION!

To ensure safe drilling always set a sideknob (position 7, Figure 7).

To hold any position in the punch when drilling side handle can be mounted on the hammer in any position. Loosen the knob by turning it counterclockwise. Then set it in position and tighten by turning clockwise.



Fig. 7

USING THE TOOL

The inclusion of punch



ATTENTION!

Before operating the tool, always check the efficiency of switch, after releasing it should easily return to the position "Off"



Fig. 8

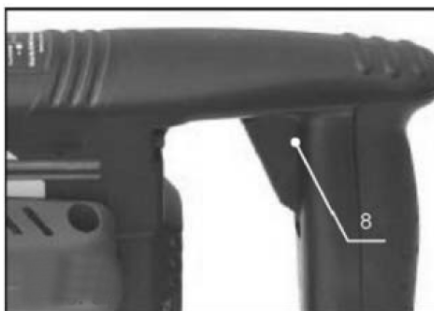


Fig. 9

To activate the tool, simply click on the switch (position 8, Figure 8). To turn off the machine release the switch (position 8,9).



ATTENTION!

As soon as the dutch worked, immediately turn off the machine. This will allow You to avoid overload of the motor.

The work of a jackhammer

Put the lever mechanism of the shock to the "bit". Keep the car firmly with both hands. Turn on the machine and apply a slight effort to keep the machines in the selected impact location. Much pressure on the drill is not necessary, since it does not give the best results.



Fig. 10

Depth stop

Depth stop is used for drilling holes of uniform depth. Loosen the clamp button, located on tire side of the handle and insert tire depth gauge into the hole at the base of tire clamp. Adjust the depth stop to the desired depth and tighten tire clamp button.

CARE OF TOOLS

Cleaning

Engine running (when you press tire switch) blow dirt and dust from all the vents.

External plastic parts can be cleaned with a damp cloth and light detergent. Never use a solvent.



ATTENTION!

Prior to the use of cleaning solutions, disconnect the tool from the network.

MAINTENANCE

Always before performing preventive maintenance work and ensure that the tool is switched off and unplugged from the outlet.

For safe and reliable operation of the instrument, keep in mind that the repair. Maintenance and adjustment of the instrument should be in service centers using only original spare parts and consumables.

CE DECLARATION OF CONFORMITY

We Vega Trade Company Limited as the responsible manufacturer declare that rotary hammer **TM Procraft:**

BH1600, BH1700, BH2150, BH2150N, BH2200, BH2350

are of series production and confirm to the following European Directives:
2006/42 / EC

and are manufactured in accordance with the following standards or
standardized documents:

EN 55014-1:2017, EN55014-2:2015, EN IEC61000-3-2: 2019, EN 61000-3-3:2013/A1:2019, EN 62841-1:2015+AC:2015, EN 62841-2-1:2018+A11:2019

Technical documentation has been supported by: VEGA TRADE COMPANY LIMITED, add.: Room 1009, Distrii Zhangjiang Keyuan Office: 6-11 / F, No.5 Bibo Road, Zhangjiang Innopark, Pudong, Shanghai.

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