



# Using the Bosch Breaker

## 230 VOLT MACHINES (SQUARE PIN OR BLUE PLUG) (Continued...)

- If you need an extension cable, follow any special instructions given by the hire company. If the hire company have not given any special instructions, you should only use a suitably rated heavy duty one, not longer than 50 metres (160 feet). Plug it directly into the rod.
- Lay it out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped, and places where vehicles might run over it. Unroll it fully or it will overheat and could catch fire.
- Make sure that any extension cable connections are dry and safe.



## USING THE BOSCH BREAKER

- Wear your protective equipment including ear defenders and goggles.
- Do not switch on the Bosch breaker until the tool is on the work surface. Do not switch on if the tool has no load.
- If the tool bit jams in the work surface do not use the breaker to lever the tool out. Release the jammed tool bit from the breaker and insert another tool bit. Use this new tool bit to break away the work surface around the jammed tool bit.

Please keep this leaflet safely as it may be required for future reference



Hire Association Europe  
2450 Regents Court  
The Crescent  
Birmingham Business Park  
Solithull B37 7YE

Telephone: 44 (0) 121 380 4600  
Fax: 44 (0) 121 333 4109  
Email: [mail@hae.org.uk](mailto:mail@hae.org.uk)  
website: [www.hae.org.uk](http://www.hae.org.uk)

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

## It is important to read this entire leaflet BEFORE using the Bosch Heavy Breaker

- Plan your work and think ahead to make sure you will always be working safely.
- Electricity can be hazardous and must always be used with great care.
- This breaker is designed for breaking up heavy foundations, concrete or asphalt, digging up roads, pavements or heavy ground. It can also be used to compact reinstated holes or trenches. It uses Bosch tools, or standard tools with a 1 1/8" hexagonal shank.
- The action of this breaker can cause injury or damage if the machine is not used in a careful and controlled way.
- If you have not used a Bosch heavy breaker before, familiarise yourself with the machine on some straightforward work before you start on the main task.
- You must have at least the following items of personal protective equipment: goggles; dust mask; ear muffs or plugs giving protection for levels up to 102 dB(A); Safety boots; gloves; rcd if using a 230 volt (mains) supply.
- This machine must not be used by minors, or by anyone under the influence of drugs or alcohol.
- This breaker is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.

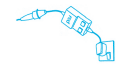


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- Use the "TEST" button to check that the rcd is working each time you use it. Reset the rcd according to the instructions supplied with it.
- Use the "TEST" button to check that the machine into the rod. Plug your device ("rod") plugged directly in to the 230volt (SQUARE PIN OR BLUE PLUG) Use a residual current transformer, plug the transformer directly into the 230 volt socket. Do not use any 230v extension cables. Make sure that any extension cable connections are dry and safe.



- If you are using a portable transformer, plug the transformer directly into the 230 volt socket. Do not use any 230v extension cables. If you need to use an extension cable, follow any special instructions given by the hire company. If the hire company have not given any special instructions, you should only use a suitably rated heavy duty 110v extension cable, not longer than 50 metres (160 feet). You must only use an extension cable between the transformer and the machine.
- Lay the extension cable out carefully avoiding liquids, sharp edges, doorways and places where vehicles might run over it. Unroll it fully or it will overheat and could catch fire.
- Make sure that any extension cable connections are dry and safe.

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- Make sure that any extension cable connections are dry and safe.

230 VOLT MACHINES (YELLOW PLUG) fitted. 230v machines will have either a normal square pin plug fitted, or a blue industrial plug. Read the instructions below for your machine.

110 VOLT MACHINES (YELLOW PLUG) fitted. 230v machines will have either a normal square pin plug fitted, or a blue industrial plug. Read the instructions below for your machine.

Your machine will only operate on one voltage: it will be 110v or 230v. 110v machines will have a yellow industrial plug

- Switch the breaker off, and unplug it before changing the tool bit.
- hexagonal tool shanks as well as Bosch tool shanks.
- To fit Bosch shanks, rotate the tool retaining lever down through 90 degrees, insert the Bosch shank with the cutaway on the shank facing the retaining lever. Rotate the retaining lever back up to its original position.
- To fit standard 1 1/8" hexagonal shanks, rotate the tool retaining lever down through 180 degrees, insert the standard shank (no cutaway) and rotate the tool retaining lever back against the tool bit.
- The tool shank should be clean and lightly oiled before insertion into the breaker.
- You must only use the correct type tool bits, as supplied by the hire company, for this breaker.

- Make sure you understand all the controls - before you switch the breaker on, you must know how to stop it.
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- Check your machine, cables, plugs and tool bits. If anything is found damaged, do not use the breaker - contact the hire company.
- Check that the plug on your machine matches your supply. Do not try to force connections or improvise them.
- Machines with a cylindrical yellow industrial plug fitted are designed to run off a special 110v supply. The hire company will have provided a portable transformer if you need to power the machine from a normal mains 230V supply. If a portable transformer has been supplied, take care not to injure yourself when moving it about - it may be heavier than you think. Machines designed to run directly from 230v mains will have either a normal square pin plug fitted, or a blue industrial plug.
- Always grip the breaker correctly with two hands while working.
- The ON/OFF switch, which must be held in the ON position, can be operated by the right or left hand.
- Vibration from using this breaker can be hazardous. Warm your hands up before you start work, and wear gloves to keep your hands warm while you are working.
- This breaker must only be used pointing down, on floors or roads.

- Do not use this breaker where there is a danger of explosion. It will ignite fumes from petrol, or gas cylinders.
- Make sure that the area is clear and safe and that no-one is near to you or could distract you.
- Protect other people from the noise, debris and dust. Warn others to keep away, put barriers around your work area.
- Check that there are no buried electric cables, gas or water pipes where you are working.
- Breaking brick and masonry makes a large amount of dust and debris - cover any surfaces or objects that may be damaged, or difficult to clean.
- The following items of personal protective equipment (PPE) are the minimum that should be worn whenever you use this machine. Particular jobs or environments may require a higher level of protection.
- When you are working with this machine, this equipment is likely to cause noise levels up to 102 dB(A) - wear appropriate ear muffs or plugs giving hearing protection for this level as a minimum.
- You will need to wear an appropriate dust mask when you are breaking material that causes dust.
- You must wear safety boots.
- Anybody who is working near to you will also need to wear appropriate personal protective equipment.

WORK AREA