



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



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- Use the "TEST" button to check that the rod is working each time you use it. Reset the rod according to the instructions supplied with it.
- Use the "TEST" button to check that the machine is not damaged. Plug your machine into the rod. This will help to protect you against electric shock if the cable or machine get damaged.

- Use a residual current device ("rod") plugged directly in to the 230volt socket. Plug your machine into the rod. This will help to protect you against electric shock if the cable or machine get damaged.
- Make sure that any extension cable connections are dry and safe.
- Lay the extension cable 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.

- 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.

110 VOLT MACHINES (YELLOW PLUG)
If you are using a portable transformer, plug the transformer directly into the 230 volt socket. Do not use any 230v extension cables.

230v machines will have either a normal square pin plug fitted, or a blue industrial plug. Read the instructions before using your machine.

- Keep the cable clear of the tool bit and any sharp edges on your work.
- Watch out for signs that vibration may be affecting your hands. If your fingers start to tingle or feel numb, take a short break from work. Exercise your fingers to encourage blood circulation.
- To help prevent vibration affecting your hands, operate the machine for shorter periods. Keep your hands warm - wearing gloves may help do this.
- If you think the cable may be cut or damaged in any way, switch off and unplug at the mains before inspecting it. If the cable attached to the breaker is damaged, stop using the machine. Contact the hire company. If an extension cable has been damaged, do not use it again. Take care not to accidentally pull the plug from the socket.
- Switch off and remove the plug from the socket before leaving the breaker unattended.
- If your equipment does not work properly do not attempt to repair it. Contact the hire company.
- You may want to read this leaflet again. Please keep it until you finish work.



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

ELECTRICAL SAFETY

- You must only use the correct type tool bits, as supplied by the hire company, for this breaker.
- The tool shank should be clean and lightly oiled before insertion into the breaker.
- To fit standard 1 1/8" hexagonal shanks, rotate the retaining lever back against the tool shank (no cutaway) and rotate the shank 180 degrees, insert the standard 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 shanks.
- This breaker will accept standard 1 1/8" hexagonal tool shanks as well as Bosch tool shanks.
- Switch the breaker off, and unplug it before changing the tool bit.
- Make sure you understand all the controls - before you switch the breaker on, you must know how to stop it.

TOOL BITS

- Make sure you understand all the controls - before you switch the breaker on, you must know how to stop it.



Before Starting Work...

Bosch Heavy Breaker

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; rod 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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- 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.
- You must wear impact resistant goggles.
- You must wear impact resistant hearing aids 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.
- This breaker must only be used pointing down, on floors or roads.
- 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.
- The ON/OFF switch, which must be held in the right or left hand.
- Always grip the breaker correctly with two hands, or a blue industrial plug fitted, or a normal square pin plug designed to run directly from 230v mains 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.
- 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.
- Check that the plug on your machine matches your supply. Do not try to force connections or improvise them.
- Check your machine, cables, plugs and tool bits. If anything is found damaged, do not use the breaker - contact the hire company.
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BOSCH BREAKER



- 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.

WORK AREA