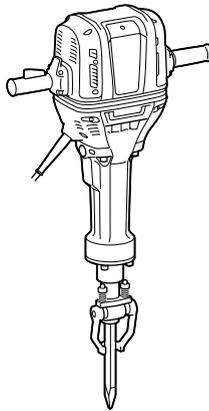




INSTRUCTION MANUAL  
MANUEL D'INSTRUCTION  
MANUAL DE INSTRUCCIONES

# Electric Breaker Marteau-Piqueur Demoledor Eléctrico

HM1802  
HM1812



015519



DOUBLE INSULATION  
DOUBLE ISOLATION  
DOBLE AISLAMIENTO

**IMPORTANT:** Read Before Using.  
**IMPORTANT:** Lire avant usage.  
**IMPORTANTE:** Leer antes de usar.

## ENGLISH (Original instructions)

# SPECIFICATIONS

Model	HM1802	HM1812
Blows per minute	870	
Dimensions	843 x 210 x 608 mm (33-1/4" x 8-1/4" x 24")	
Net weight	29.4 kg (64.7 lbs)	31.3 kg (69.1 lbs)

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Specifications may differ from country to country.
- Weight according to EPTA-Procedure 01/2003

GEA008-1

## General Power Tool Safety Warnings

**⚠ WARNING** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

## Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

### Work area safety

1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **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.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

### Electrical safety

4. **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.
5. **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.
6. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
7. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.

8. **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.
9. **If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** Use of an GFCI reduces the risk of electric shock.

### Personal safety

10. **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.
11. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
12. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
13. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
14. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
15. **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.
16. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

8. Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.
9. Hold the tool firmly with both hands.
10. Keep hands away from moving parts.
11. Do not leave the tool running. Operate the tool only when hand-held.
12. Do not point the tool at any one in the area when operating. The bit could fly out and injure someone seriously.
13. Do not touch the bit or parts close to the bit immediately after operation; they may be extremely hot and could burn your skin.
14. Do not operate the tool at no-load unnecessarily.
15. Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.

## SAVE THESE INSTRUCTIONS.

### **⚠WARNING:**

**DO NOT** let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. **MISUSE** or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

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## Symbols

The followings show the symbols used for tool.

v	· volts
A	· amperes
Hz	· hertz
~	· alternating current
□	· Class II Construction
... /min r/min	· revolutions or reciprocation per minute
⏏	· number of blow

## FUNCTIONAL DESCRIPTION

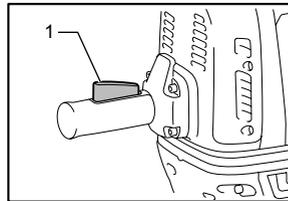
### **⚠CAUTION:**

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

### Switch action

### **⚠CAUTION:**

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



1. Switch lever

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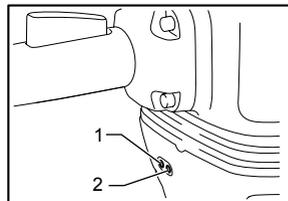
To start the tool, simply squeeze the switch lever. Release the switch lever to stop.

**For model HM1812 only**

### **NOTE:**

- Blows at no load per minute becomes smaller than those on load in order to reduce vibration under no load, but this does not show trouble. Once operation starts with a bit against concrete, blows per minute increase. When temperature is low and there is less fluidity in grease, the tool may not have this function even with the motor rotating.

### Indicator lamps



1. Power-ON indicator lamp (green)  
2. Service indicator lamp (red)

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The green power-ON indicator lamp lights up when the tool is plugged. The indicator lamp is lit but the tool does not start even if the tool is switched on, the carbon brushes may be worn out, or the controller, the motor or the ON/OFF switch may be malfunction.

The red service indicator lamp flickers up when the carbon brushes are nearly worn out to indicate that the tool needs servicing. After some period of use, motor will automatically be shut off.

**Power tool use and care**

17. **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.
18. **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.
19. **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
20. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
21. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

22. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
23. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

**Service**

24. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
25. **Follow instruction for lubricating and changing accessories.**
26. **Keep handles dry, clean and free from oil and grease.**

**USE PROPER EXTENSION CORD.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

**Table 1: Minimum gage for cord**

Ampere Rating		Volts	Total length of cord in feet			
		120 V	25 ft.	50 ft.	100 ft.	150 ft.
More Than	Not More Than	<b>AWG</b>				
0	6		18	16	16	14
6	10		18	16	14	12
10	12		16	16	14	12
12	16		14	12	Not Recommended	

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**HAMMER SAFETY WARNINGS**

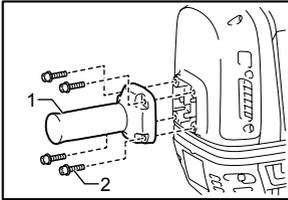
1. **Wear ear protectors.** Exposure to noise can cause hearing loss.
2. **Use auxiliary handle(s), if supplied with the tool.** Loss of control can cause personal injury.
3. **Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
4. **Wear a hard hat (safety helmet), safety glasses and/or face shield. Ordinary eye or sun glasses are NOT safety glasses. It is also highly recommended that you wear a dust mask and thickly padded gloves.**
5. **Be sure the bit is secured in place before operation.**
6. **Under normal operation, the tool is designed to produce vibration. The screws can come loose easily, causing a breakdown or accident. Check tightness of screws carefully before operation.**
7. **In cold weather or when the tool has not been used for a long time, let the tool warm up for a while by operating it under no load. This will loosen up the lubrication. Without proper warm-up, hammering operation is difficult.**

## ASSEMBLY

### ⚠ CAUTION:

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

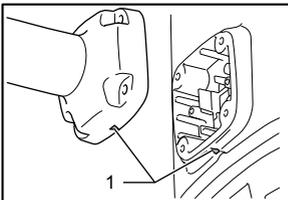
### Installing soft grip



- Soft grip
- Bolt

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Soft grip is NOT installed before factory shipment. Install soft grip securely.



- Triangle alignment mark

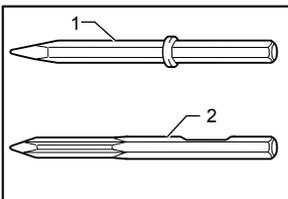
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Set the triangle alignment marks on the hammer body and on the soft grip when installing the soft grip.

### Installing or removing the bit (optional accessory)

### ⚠ CAUTION:

- Always assure that the bit is securely retained by attempting to pull the bit out of the tool holder after installing the bit.
- Follow the below 2 installation methods in accordance with the 2 different types of bits. If inappropriate installation method is selected, the bit cannot be secured.



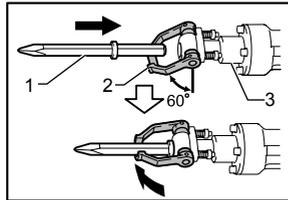
- Bit with collar
- Bit without collar

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This tool accepts bits either with or without a collar on its shank.

To install the bit, follow either procedure (1) or (2) described below.

#### (1) For bits with a collar

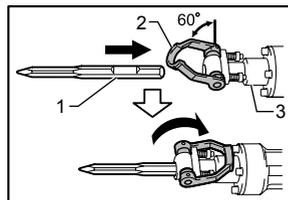


- Bit
- Tool retainer
- Tool holder

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Pivot the tool retainer downward (approx. 60 degrees). Insert the bit into the tool holder until it stops. Return the tool retainer and secure the bit.

#### (2) For bits without a collar



- Notched portion of the bit
- Tool retainer
- Tool holder

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Pivot the tool retainer upward (approx. 60 degrees). Face the notched portion of the bit upward. Insert the bit into the tool holder until it stops. Pivot the tool retainer further until it stops at the tool holder.

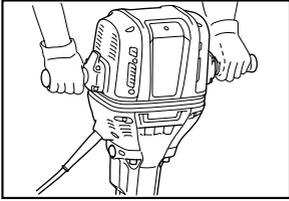
To remove the bit, follow the installation procedure in reverse.

## OPERATION

### Chipping/Scaling/Demolition

### ⚠ CAUTION:

- Keep well-balanced posture when holding the heavy tool before / during / after operation to avoid personal injuries.
- Secure debris in case of breaking it into smaller pieces.
- Hold the tool firmly with both hands. Turn the tool on and apply slight pressure on the tool so that the tool will not bounce around, uncontrolled. Pressing very hard on the tool will not increase the efficiency.
- Do not pull out the tool if stuck. Instead, break the work around the bit tip.
- Be sure to place the tool on the stable floor or ground after use.



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Always use the soft grip (auxiliary handle) and firmly hold the tool by both side grip and switch handle during operations.

## MAINTENANCE

### **⚠CAUTION:**

- Store the machine in horizontal position to avoid possible grease leakage.
- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

To maintain product safety and reliability, repairs, any maintenance or adjustment should be performed by Makita Authorized Service Centers, always using Makita replacement parts.

## OPTIONAL ACCESSORIES

### **⚠CAUTION:**

- These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita Service Center.

- Bull point
- Cold chisel
- Scaling chisel
- Clay spade
- Rammer
- Safety goggles
- Hammer / bit grease
- Dust extractor attachment

### **NOTE:**

- Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.

## MAKITA LIMITED ONE YEAR WARRANTY

### Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- the tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

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< USA only >

# WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

< Sólo en los Estados Unidos >

# ADVERTENCIA

Algunos polvos creados por el lijado, aserrado, esmerilado, taladrado y otras actividades de la construcción contienen sustancias químicas reconocidas por el Estado de California como causantes de cáncer, defectos de nacimiento y otros peligros de reproducción. Algunos ejemplos de estos productos químicos son:

- plomo de pinturas a base de plomo,
- sílice cristalino de ladrillos y cemento y otros productos de albañilería, y
- arsénico y cromo de maderas tratadas químicamente.

El riesgo al que se expone varía, dependiendo de la frecuencia con la que realice este tipo de trabajo. Para reducir la exposición a estos productos químicos: trabaje en un área bien ventilada y póngase el equipo de seguridad indicado, tal como las máscaras contra polvo que están especialmente diseñadas para filtrar partículas microscópicas.

**Makita Corporation**

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