

SCANNED
783

INSTRUCTION MANUAL

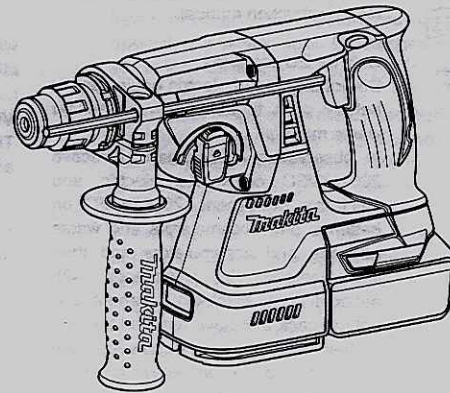


Cordless Combination Hammer

DHR242
DHR243

Drill / Hammer SDS Multi Cordless

Plant No. 06 167 007



012621

SPECIFICATIONS

Model		DHR242	DHR243
Capacities	Concrete	24 mm	
	Steel	13 mm	
	Wood	27 mm	
No load speed (min ⁻¹)		0 - 950	
Blows per minute		0 - 4,700	
Overall length		328 mm	353 mm
Net weight		3.3 kg	3.4 kg
Rated voltage		D.C. 18 V	

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

END004-4

Symbols

The following show the symbols used for the equipment. Be sure that you understand their meaning before use.



- Read instruction manual.



- Only for EU countries

Do not dispose of electric equipment or battery pack together with household waste material!

In observance of European Directive 2002/96/EC on waste electric and electronic equipment, 2006/66/EC on batteries and accumulators and waste batteries and accumulators and their implementation in accordance with national laws, electric equipment and battery pack that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

ENE043-1

Intended use

The tool is intended for hammer drilling and drilling in brick, concrete and stone as well as for chiselling work. It is also suitable for drilling without impact in wood, metal, ceramic and plastic.

ENG905-1

Noise

The typical A-weighted noise level determined according to EN60745:

Model DHR242

Sound pressure level (L_{pA}): 90 dB(A)
 Sound power level (L_{WA}): 101 dB(A)
 Uncertainty (K): 3 dB(A)

Model DHR243

Sound pressure level (L_{pA}): 89 dB(A)
 Sound power level (L_{WA}): 100 dB(A)
 Uncertainty (K): 3 dB(A)

Wear ear protection

ENG900-1

Vibration

The vibration total value (tri-axial vector sum) determined according to EN60745:

Model DHR242

Work mode : hammer drilling into concrete
 Vibration emission ($a_{h,HD}$): 13.5 m/s²
 Uncertainty (K): 1.5 m/s²

Work mode : chiselling
 Vibration emission ($a_{h,CHeq}$): 10.5 m/s²
 Uncertainty (K): 1.5 m/s²

Work mode: drilling into metal
 Vibration emission ($a_{h,D}$): 3.5 m/s²
 Uncertainty (K): 1.5 m/s²

Model DHR243

Work mode : hammer drilling into concrete
 Vibration emission ($a_{h,HD}$): 13 m/s²
 Uncertainty (K): 1.5 m/s²

Work mode : chiselling
 Vibration emission ($a_{h,CHeq}$): 11 m/s²
 Uncertainty (K): 1.5 m/s²

Work mode: drilling into metal
 Vibration emission ($a_{h,D}$): 2.5 m/s² or less
 Uncertainty (K): 1.5 m/s²

- The declared vibration emission value has been measured in accordance with the standard test method and may be used for comparing one tool with another.
- The declared vibration emission value may also be used in a preliminary assessment of exposure.

⚠ WARNING:

- The vibration emission during actual use of the power tool can differ from the declared emission value depending on the ways in which the tool is used.
- Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

ENH101-15

For European countries only

EC Declaration of Conformity

We Makita Corporation as the responsible manufacturer declare that the following Makita machine(s):

Designation of Machine:
 Cordless Combination Hammer
 Model No./ Type: DHR242, DHR243
 are of series production and

Conforms to the following European Directives:
 2006/42/EC

And are manufactured in accordance with the following standards or standardised documents:

EN60745

The technical documentation is kept by our authorised representative in Europe who is:

Makita International Europe Ltd.
 Michigan Drive, Tongwell,
 Milton Keynes, Bucks MK15 8JD, England

6.21.2011

000230

Tomoyasu Kato
 Director
 Makita Corporation
 3-11-8, Sumiyoshi-cho,
 Anjo, Aichi, 446-8502, JAPAN

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.

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.
- #### Battery tool use and care
24. **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
 25. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
 26. **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
 27. **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

Service

28. **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.
29. **Follow instruction for lubricating and changing accessories.**
30. **Keep handles dry, clean and free from oil and grease.**

GEB046-2

CORDLESS ROTARY 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.** 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.**
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. **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.

ENC007-7

IMPORTANT SAFETY INSTRUCTIONS

FOR BATTERY CARTRIDGE

1. **Before using battery cartridge, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.**

2. **Do not disassemble battery cartridge.**
3. **If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.**
4. **If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.**
5. **Do not short the battery cartridge:**
 - (1) **Do not touch the terminals with any conductive material.**
 - (2) **Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.**
 - (3) **Do not expose battery cartridge to water or rain.**

A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
6. **Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50 ° C (122 ° F).**
7. **Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.**
8. **Be careful not to drop or strike battery.**
9. **Do not use a damaged battery.**

SAVE THESE INSTRUCTIONS.

Tips for maintaining maximum battery life

1. **Charge the battery cartridge before completely discharged. Always stop tool operation and charge the battery cartridge when you notice less tool power.**
2. **Never recharge a fully charged battery cartridge. Overcharging shortens the battery service life.**
3. **Charge the battery cartridge with room temperature at 10 ° C - 40 ° C (50 ° F - 104 ° F). Let a hot battery cartridge cool down before charging it.**
4. **Charge the battery cartridge once in every six months if you do not use it for a long period of time.**

FUNCTIONAL DESCRIPTION

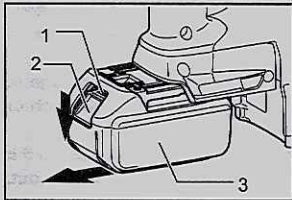
⚠CAUTION:

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

Installing or removing battery cartridge

⚠CAUTION:

- Hold the tool and the battery cartridge firmly when installing or removing battery cartridge. Failure to hold the tool and the battery cartridge firmly may cause them to slip off your hands and result in damage to the tool and battery cartridge and a personal injury.

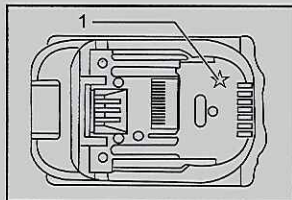


1. Red indicator
2. Button
3. Battery cartridge

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- Always switch off the tool before installing or removing of the battery cartridge.
- To remove the battery cartridge, slide it from the tool while sliding the button on the front of the cartridge.
- To install the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Always insert it all the way until it locks in place with a little click. If you can see the red indicator on the upper side of the button, it is not locked completely. Install it fully until the red indicator cannot be seen. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.
- Do not use force when installing the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.

Battery protection system (Lithium-ion battery with star marking)



1. Star marking

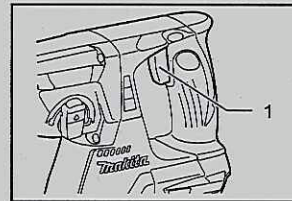
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Lithium-ion batteries with a star marking are equipped with a protection system. This system automatically cuts off power to the tool to extend battery life.

The tool will automatically stop during operation if the tool and/or battery are placed under one of the following conditions:

- Overloaded:**
The tool is operated in a manner that causes it to draw an abnormally high current. In this situation, release the trigger switch on the tool and stop the application that caused the tool to become overloaded. Then pull the trigger switch again to restart. If the tool does not start, the battery is overheated. In this situation, let the battery cool before pulling the trigger switch again.
- Low battery voltage:**
The remaining battery capacity is too low and the tool will not operate. In this situation, remove and recharge the battery.

Switch action



1. Switch trigger

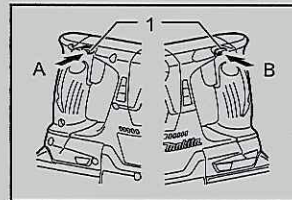
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⚠CAUTION:

- Before inserting the battery cartridge into the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

To start the tool, simply pull the switch trigger. Tool speed is increased by increasing pressure on the switch trigger. Release the switch trigger to stop.

Reversing switch action



1. Reversing switch lever

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This tool has a reversing switch to change the direction of rotation. Depress the reversing switch lever from the A side for clockwise rotation or from the B side for counterclockwise rotation.

When the reversing switch lever is in the neutral position, the switch trigger cannot be pulled.

⚠CAUTION:

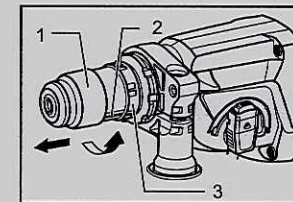
- Always check the direction of rotation before operation.
- Use the reversing switch only after the tool comes to a complete stop. Changing the direction of rotation before the tool stops may damage the tool.
- When not operating the tool, always set the reversing switch lever to the neutral position.

Changing the quick change chuck for SDS-plus

For model DHR243

The quick change chuck for SDS-plus can be easily exchanged for the quick change drill chuck.

Removing the quick change chuck for SDS-plus



1. Quick change chuck for SDS-plus
2. Change cover line
3. Change cover

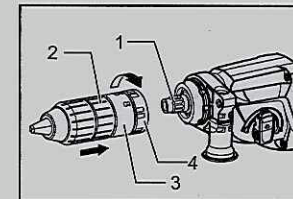
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⚠CAUTION:

- Before removing the quick change chuck for SDS-plus, always remove the bit.

Grasp the change cover of the quick change chuck for SDS-plus and turn in the direction of the arrow until the change cover line moves from the symbol to the symbol. Pull forcefully in the direction of the arrow.

Attaching the quick change drill chuck



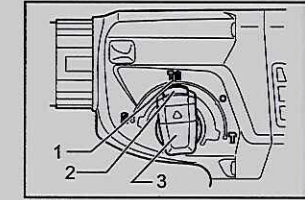
1. Spindle
2. Quick change drill chuck
3. Change cover
4. Change cover line

012689

Check the line of the quick change drill chuck shows the symbol. Grasp the change cover of the quick change drill chuck and set the line to the symbol. Place the quick change drill chuck on the spindle of the tool.

Grasp the change cover of the quick change drill chuck and turn the change cover line to the symbol until a click can clearly be heard.

Selecting the action mode Rotation with hammering

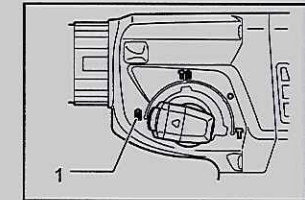


1. Rotation with hammering
2. Lock button
3. Action mode changing knob

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For drilling in concrete, masonry, etc., depress the lock button and rotate the action mode changing knob to the symbol. Use a tungsten-carbide tipped bit.

Rotation only

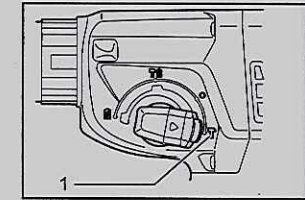


1. Rotation only

012631

For drilling in wood, metal or plastic materials, depress the lock button and rotate the action mode changing knob to the symbol. Use a twist drill bit or wood bit.

Hammering only




1. Hammering only

012630

For chipping, scaling or demolition operations, depress the lock button and rotate the action mode changing knob to the symbol. Use a bull point, cold chisel, scaling chisel, etc.

⚠CAUTION:

- Do not rotate the action mode changing knob when the tool is running. The tool will be damaged.
- To avoid rapid wear on the mode change mechanism, be sure that the action mode changing knob is always positively located in one of the three action mode positions.
- When changing from the mode to the symbol mode, the action mode changing knob may no longer move in the position. At

this time, turn the tool on or turn the chuck by hand in the  symbol position and then rotate the action mode changing knob. Forcing the action mode changing knob may cause tool damage.

Torque limiter

The torque limiter will actuate when a certain torque level is reached. The motor will disengage from the output shaft. When this happens, the bit will stop turning.

CAUTION:

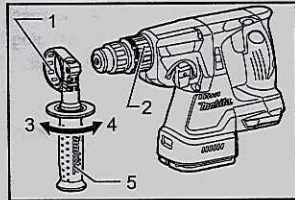
- As soon as the torque limiter actuates, switch off the tool immediately. This will help prevent premature wear of the tool.
- Hole saws cannot be used with this tool. They tend to pinch or catch easily in the hole. This will cause the torque limiter to actuate too frequently.

ASSEMBLY

CAUTION:

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

Side grip (auxiliary handle)



1. Protusion
2. Groove
3. Loosen
4. Tighten
5. Side grip

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CAUTION:

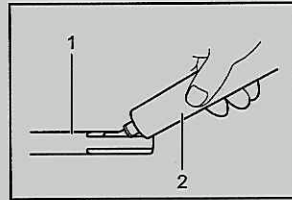
- Always use the side grip to ensure operating safety. Install the side grip so that the protusion on the grip fit in between the grooves in the tool barrel. Then tighten the grip by turning clockwise at the desired position. It may be swung 360° so as to be secured at any position.

Bit grease

Coat the bit shank ahead beforehand with a small amount of bit grease (about 0.5 -1 g). This chuck lubrication assures smooth action and longer service life.

Installing or removing the bit

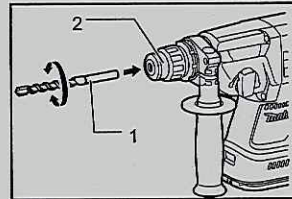
Clean the bit shank and apply bit grease before installing the bit.



1. Bit shank
2. Bit grease

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Insert the bit into the tool. Turn the bit and push it in until it engages.



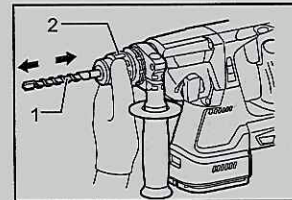
1. Bit
2. Chuck cover

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If the bit cannot be pushed in, remove the bit. Pull the chuck cover down a couple of times. Then insert the bit again. Turn the bit and push it in until it engages.

After installing, always make sure that the bit is securely held in place by trying to pull it out.

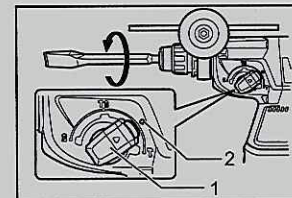
To remove the bit, pull the chuck cover down all the way and pull the bit out.



1. Bit
2. Chuck cover


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Bit angle (when chipping, scaling or demolishing)

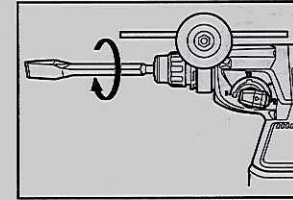


1. Action mode changing knob
2. O symbol

012632

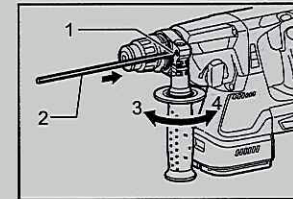
The bit can be secured at the desired angle. To change the bit angle, depress the lock button and rotate the action mode changing knob to the  symbol. Turn the bit to the desired angle.

Depress the lock button and rotate the action mode changing knob to the  symbol. Then make sure that the bit is securely held in place by turning it slightly.



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Depth gauge



1. Hole
2. Depth gauge
3. Loosen
4. Tighten

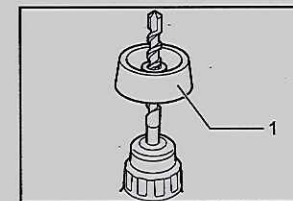
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The depth gauge is convenient for drilling holes of uniform depth. Loosen the side grip and insert the depth gauge into the hole in the side grip. Adjust the depth gauge to the desired depth and tighten the side grip.

NOTE:

- The depth gauge cannot be used at the position where the depth gauge strikes against the gear housing.

Dust cup



1. Dust cup

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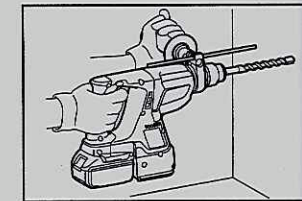
Use the dust cup to prevent dust from falling over the tool and on yourself when performing overhead drilling operations. Attach the dust cup to the bit as shown in the figure. The size of bits which the dust cup can be attached to is as follows.

	Bit diameter
Dust cup 5	6 mm - 14.5 mm
Dust cup 9	12 mm - 16 mm


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OPERATION

Hammer drilling operation



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Set the action mode changing knob to the  symbol. Position the bit at the desired location for the hole, then pull the switch trigger.

Do not force the tool. Light pressure gives best results. Keep the tool in position and prevent it from slipping away from the hole.

Do not apply more pressure when the hole becomes clogged with chips or particles. Instead, run the tool at an idle, then remove the bit partially from the hole. By repeating this several times, the hole will be cleaned out and normal drilling may be resumed.

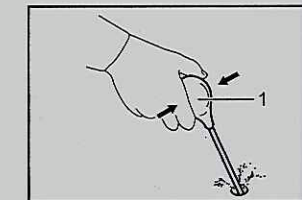
CAUTION:

- There is a tremendous and sudden twisting force exerted on the tool/bit at the time of hole break-through, when the hole becomes clogged with chips and particles, or when striking reinforcing rods embedded in the concrete. Always use the side grip (auxiliary handle) and firmly hold the tool by both side grip and switch handle during operations. Failure to do so may result in the loss of control of the tool and potentially severe injury.

NOTE:

Eccentricity in the bit rotation may occur while operating the tool with no load. The tool automatically centers itself during operation. This does not affect the drilling precision.

Blow-out bulb (optional accessory)

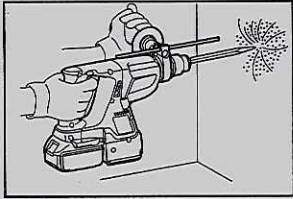


1. Blow-out bulb


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After drilling the hole, use the blow-out bulb to clean the dust out of the hole.

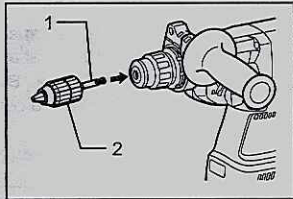
Chipping/Scaling/Demolition



012686

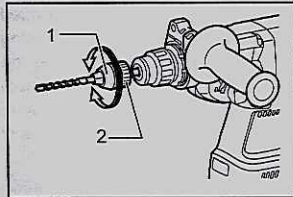
Set the action mode changing knob to the  symbol. Hold the tool firmly with both hands. Turn the tool on and apply slight pressure on the tool so that the tool will not bounce around, uncontrolled. Pressing very hard on the tool will not increase the efficiency.

Drilling in wood or metal



012654


1. Chuck adapter
2. Keyless drill chuck



012685

1. Sleeve
2. Ring

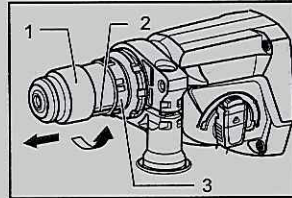
Use the optional drill chuck assembly. When installing it, refer to "Installing or removing the bit" described on the previous page.

Set the action mode changing knob so that the pointer points to the  symbol.

For model DHR243

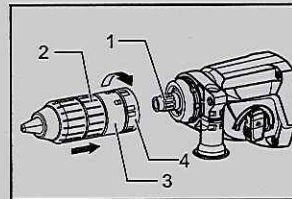
⚠CAUTION:

- Never use "rotation with hammering" when the drill chuck assembly is installed on the tool. The drill chuck assembly may be damaged. Also, the drill chuck will come off when reversing the tool.



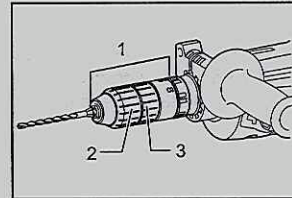
012690

1. Quick change chuck for SDS-plus
2. Change cover line
3. Change cover



012689


1. Spindle
2. Quick change drill chuck
3. Change cover
4. Change cover line



012720

1. Quick change drill chuck
2. Sleeve
3. Ring

Hold the ring and turn the sleeve counterclockwise to open the chuck jaws. Place the bit in the chuck as far as it will go. Hold the ring firmly and turn the sleeve clockwise to tighten the chuck. To remove the bit, hold the ring and turn the sleeve counterclockwise.

Set the action mode changing knob to the  symbol.

You can drill up to 13 mm diameter in metal and up to 32 mm diameter in wood.

⚠CAUTION:

- Never use "rotation with hammering" when the quick change drill chuck is installed on the tool. The quick change drill chuck may be damaged. Also, the drill chuck will come off when reversing the tool.
- Pressing excessively on the tool will not speed up the drilling. In fact, this excessive pressure will only serve to damage the tip of your bit, decrease the tool performance and shorten the service life of the tool.
- There is a tremendous twisting force exerted on the tool/bit at the time of hole breakthrough. Hold the

tool firmly and exert care when the bit begins to break through the workpiece.

- A stuck bit can be removed simply by setting the reversing switch to reverse rotation in order to back out. However, the tool may back out abruptly if you do not hold it firmly.
- Always secure small workpieces in a vise or similar hold-down device.

NOTE:

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

MAINTENANCE

⚠CAUTION:

- Always be sure that the tool is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.
- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

To maintain product SAFETY and RELIABILITY, repairs, carbon brush inspection and replacement, any other 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.

- SDS-Plus Carbide-tipped bits
- Bull point
- Cold chisel
- Scaling chisel
- Grooving chisel
- Drill chuck assembly
- Drill chuck S13
- Chuck adapter
- Chuck key S13
- Bit grease
- Side grip
- Depth gauge
- Blow-out bulb
- Dust cup
- Dust extractor attachment
- Safety goggles
- Plastic carrying case
- Keyless drill chuck
- Various type of Makita genuine batteries and chargers



DC18RA
DC18RC

GB **Fast Charger**

D **Schnellladegerät**

PL **Szybka ładowarka**

RU **Зарядное устройство для быстрой зарядки**

Symbols

The followings show the symbols used for the equipment. Be sure that you understand their meaning before use.

Symbole

Die folgenden Symbole werden für das Gerät verwendet. Machen Sie sich vor der Benutzung unbedingt mit ihrer Bedeutung vertraut.

Symbole

Poniższe symbole używane są do opisu urządzenia. Przed użyciem należy upewnić się, że rozumie się ich znaczenie.

Символы

Следующие объяснения показывают символы, используемые для оборудования. Убедитесь перед использованием, что Вы понимаете их значение.



- Indoor use only
- Nur für trockene Räume
- Tylko do użytku w pomieszczeniach
- Использование только внутри помещения



- Read instruction manual
- Bitte Betriebsanleitung lesen
- Przeczytaj instrukcję obsługi
- Прочитайте инструкцию по эксплуатации



- DOUBLE INSULATION
- DOPPELT SCHUTZISOLIERT
- PODWÓJNA IZOLACJA
- ДВОЙНАЯ ИЗОЛЯЦИЯ



- Delay charge (Battery cooling or too cold battery)
- Ladungsverzögerung (Akku ist abgekühlt oder zu kalt)
- Ładowanie opóźnione (Trwa chłodzenie akumulatora lub zbyt niska temperatura akumulatora)
- Задержка зарядки (Охлаждение батареи или слишком холодная батарея)



- Defective battery
- Akku defekt
- Uszkodzony akumulator
- Дефектная батарея



- Conditioning
- Anpassungsladung
- Ładowanie optymalne
- Кондиционирование



- Cooling abnormality
- Kühlungsstörung
- Nieprawidłowość w chłodzeniu
- Неисправность охлаждения



- Do not destroy battery by fire.
- Werfen Sie die Batterie nicht ins Feuer.
- Nie uszkodzaj akumulatora przez kontakt z ogniem.
- Не сжигайте батарею.



- Do not expose battery to water or rain.
- Setzen Sie die Batterie weder Wasser noch Regen aus.
- Nie wystawiaj akumulatora na działanie wody lub deszczu.
- Не подвергайте батарею воздействию воды или дождя.



- Do not short batteries.
- Schließen Sie die Kontakte nicht kurz. Brandgefahr!
- Nie zwieraj akumulatorów.
- Не закорачивайте батареи.



- Always recycle batteries.
- Verbrauchte Akkus stets dem Recycling zuführen.
- Zawsze kieruj akumulatory do odzysku.
- Всегда выбрасывайте батареи для рециркуляции.



- Only for EU countries

Do not dispose of electric equipment or battery pack together with household waste material!
In observance of the European Directives, on Waste Electric and Electronic Equipment and Batteries and Accumulators and Waste Batteries and Accumulators and their implementation in accordance with national laws, electric equipment and batteries and battery pack(s) that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

- Nur für EU-Länder

Werfen Sie Elektrogeräte oder Akkus nicht in den Hausmüll!
Gemäß den Europäischen Richtlinien für Elektro- und Elektronik-Altgeräte, für Batterien, Akkus sowie verbrauchte Batterien und Akkus und ihre Umsetzung gemäß den Landesgesetzen müssen Elektrogeräte, Batterien und Akkus, die das Ende ihrer Lebensdauer erreicht haben, getrennt gesammelt und einer umweltgerechten Recycling-Einrichtung zugeführt werden.

- Dotyczy tylko państw UE

Nie wyrzucać urządzeń elektrycznych ani akumulatorów wraz z odpadami z gospodarstwa domowego!

Zgodnie z dyrektywami w sprawie zużytego sprzętu elektrycznego i elektronicznego, jak również w sprawie akumulatorów i baterii oraz zużytych akumulatorów i baterii, oraz dostosowaniem ich do prawa krajowego, zużyte urządzenia elektryczne oraz baterie i akumulatory po zakończeniu okresu ich użytkowania należy segregować i przekazywać do odpowiedniego punktu zbiórki odpadów.

- Только для стран ЕС

Не утилизируйте электрическое оборудование или батарейный блок вместе с бытовым мусором!

Согласно Европейским Директивам об утилизации электрического и электронного оборудования, о батареях и аккумуляторах, об утилизации батарей и аккумуляторов, и для их выполнения в соответствии с государственными законами, электрическое оборудование, батареи и батарейный(е) блок(и), срок службы которых истек, должны быть отдельно собраны и возвращены в пункт утилизации вторично используемого сырья с соблюдением требований охраны окружающей среды.

SCANNED
HITACHI

Plan + No.
06167008, 009, 010.

Cordless Rotary Hammer

Akku-boorhammer

Marteau perforateur à batterie

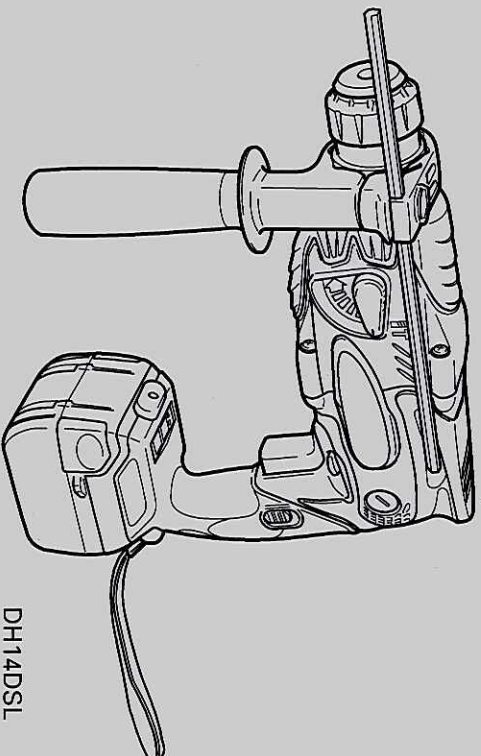
Martello perforatore a batteria

Snoerloze boorhamer

Martillo perforador a batería

Martelo perforador a batería

DH 14DSL · DH 18DSL

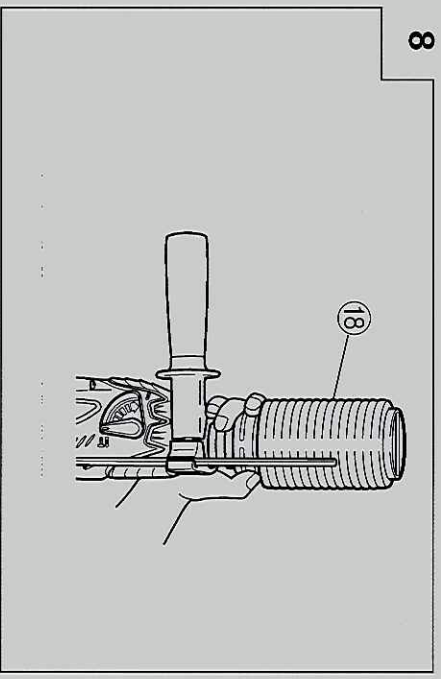
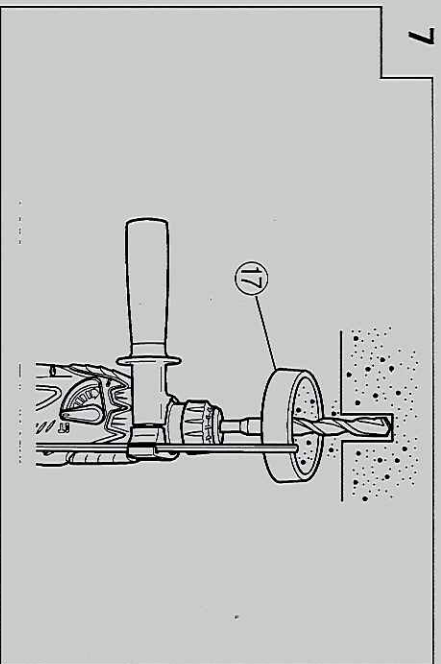
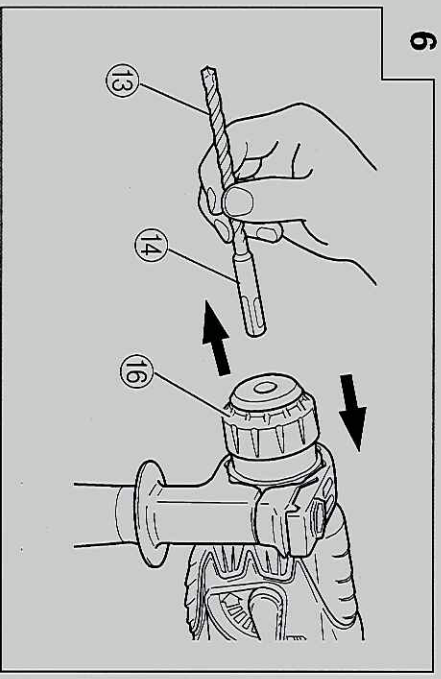
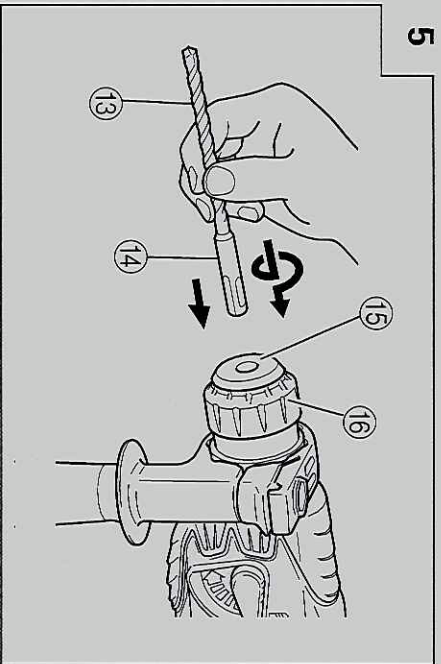
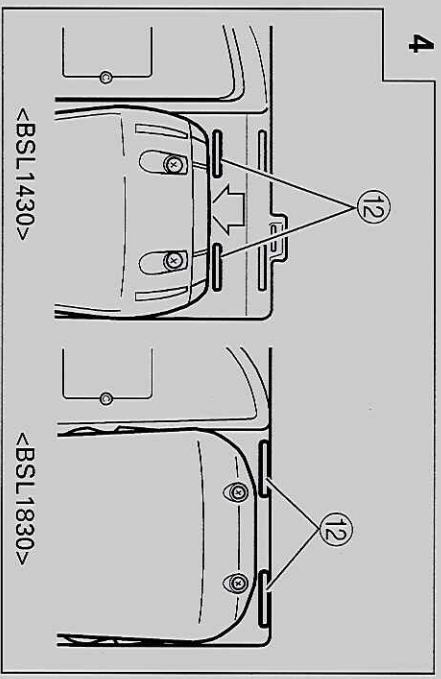
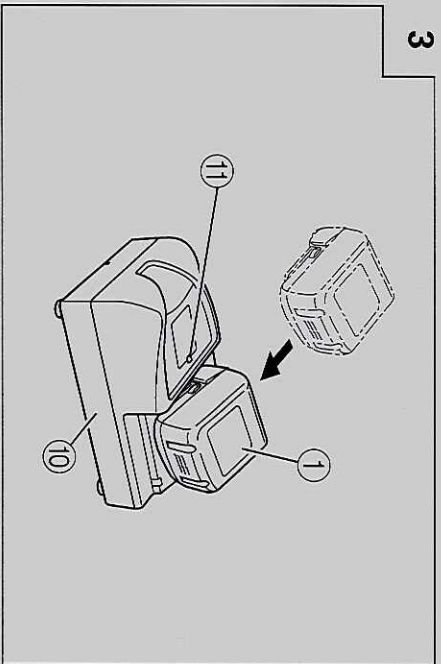
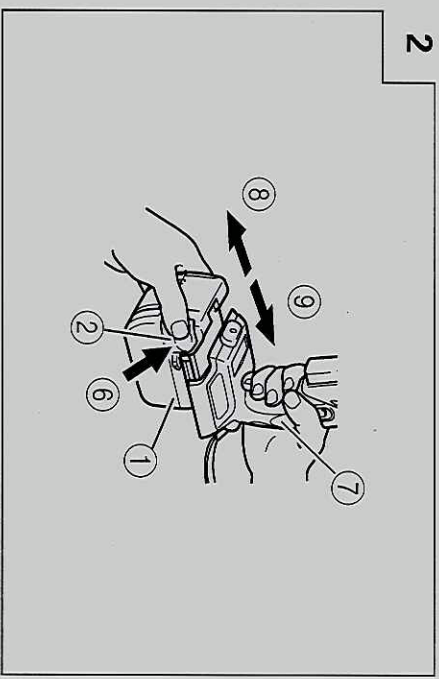
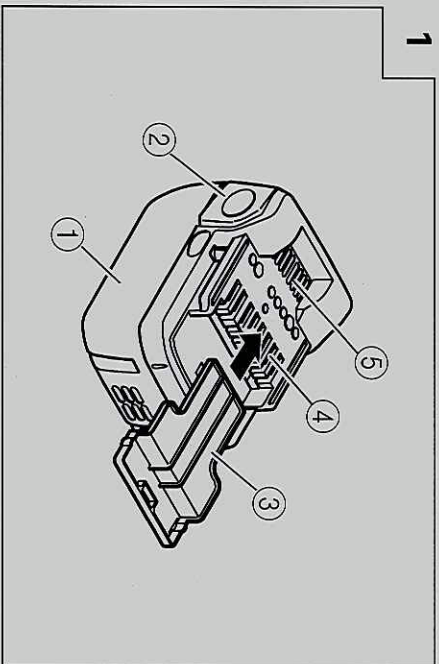


DH14DSL

Read through carefully and understand these instructions before use.
Diese Anleitung vor Benutzung des Werkzeugs sorgfältig durchlesen und verstehen.
Lire soigneusement et bien assimiler ces instructions avant usage.
Prima dell'uso leggere attentamente e comprendere queste istruzioni.
Deze gebruiksaanwijzing s.v.p. voor gebruik zorgvuldig doorlezen.
Leer cuidadosamente y comprender estas instrucciones antes del uso.
Antes de usar, leia com cuidado para assimilar estas instruções.

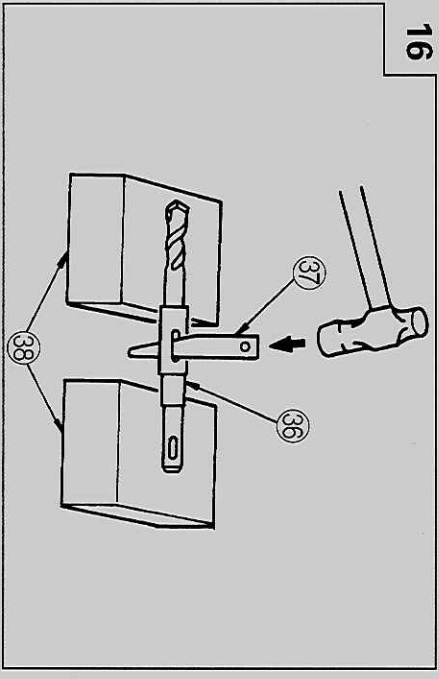
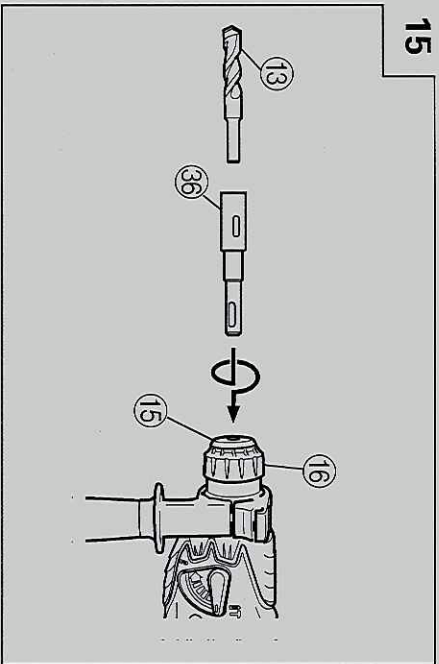
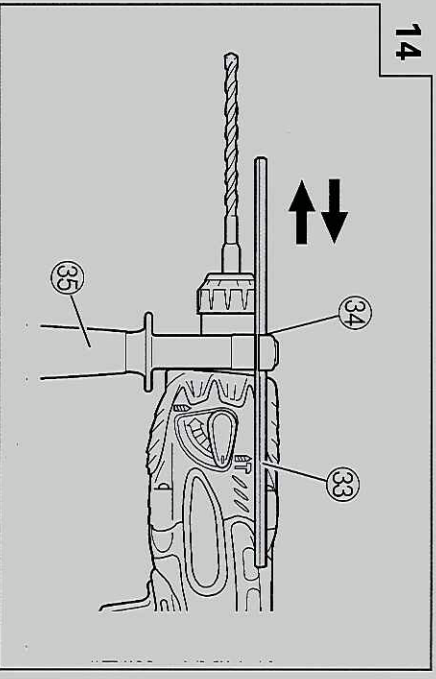
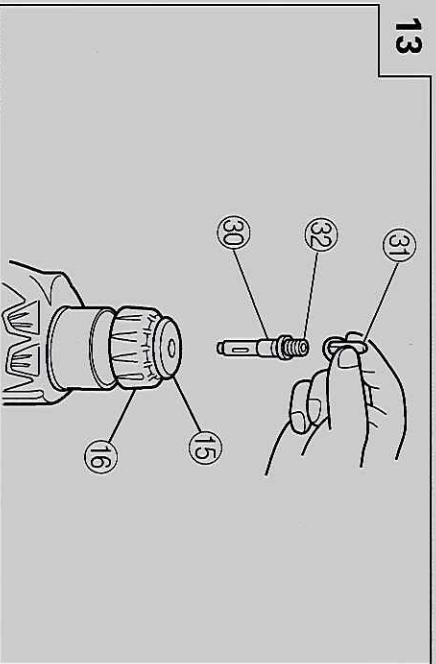
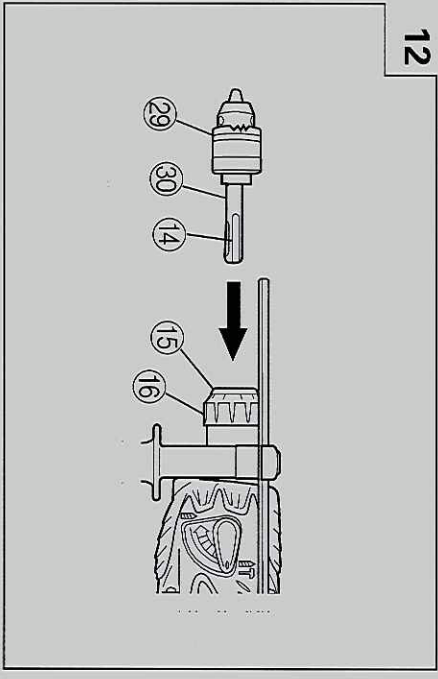
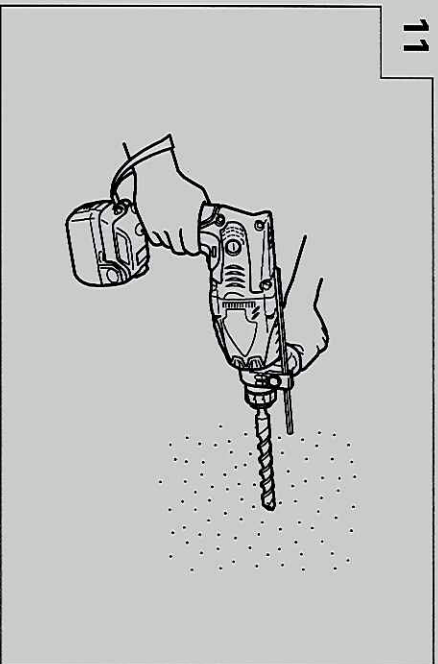
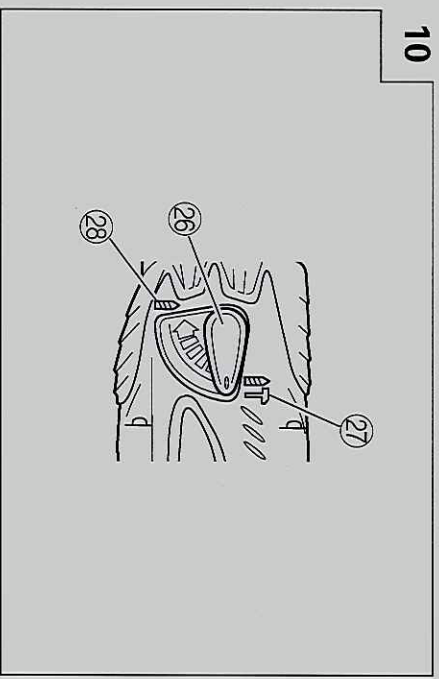
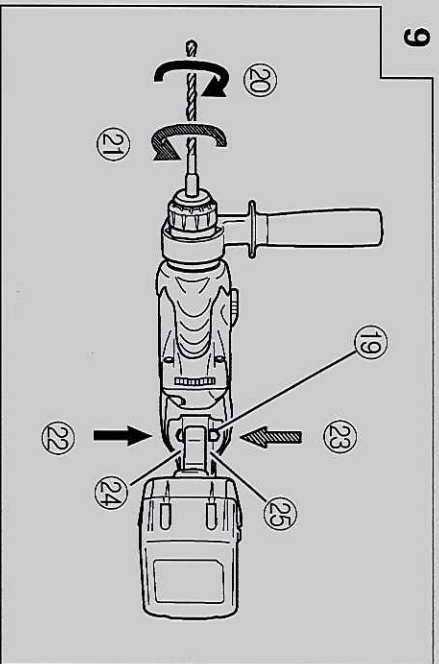
Handling instructions
Bedienungsanleitung
Mode d'emploi
Istruzioni per l'uso
Gebruiksaanwijzing
Instrucciones de manejo
Instruções de uso



Hitachi Koki









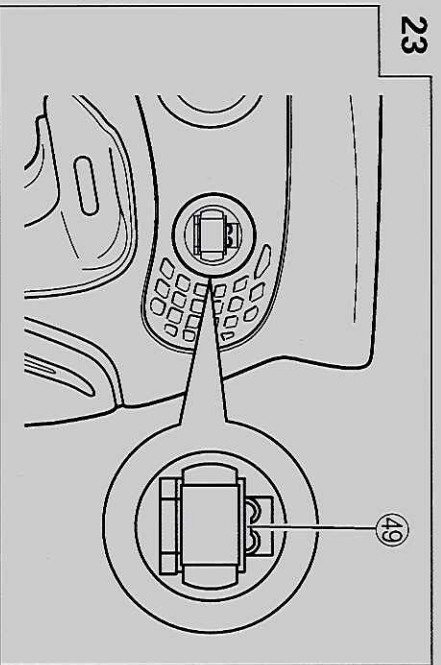
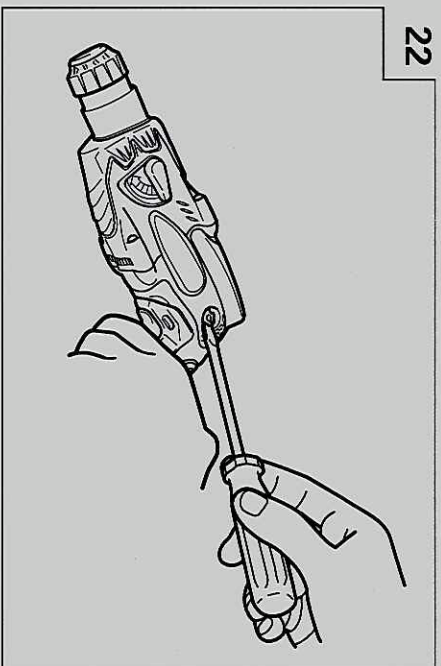
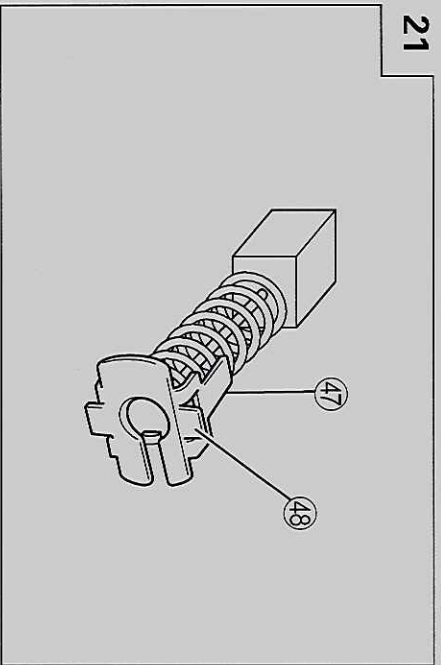
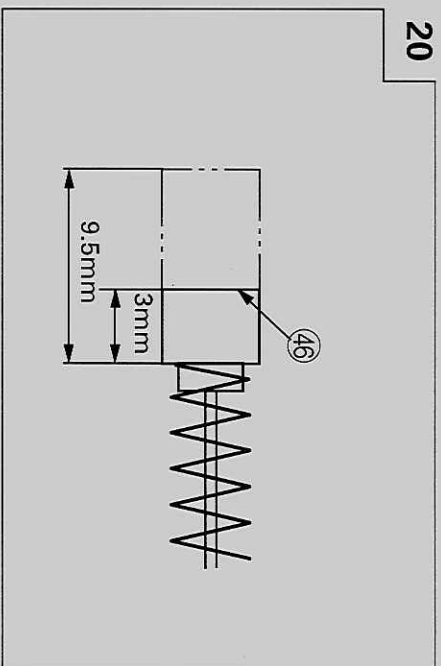
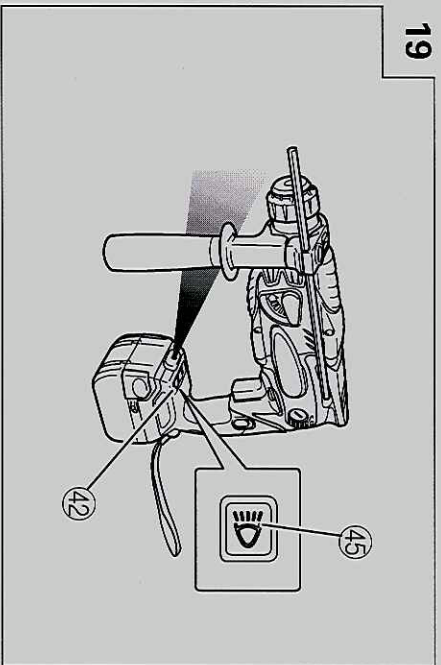
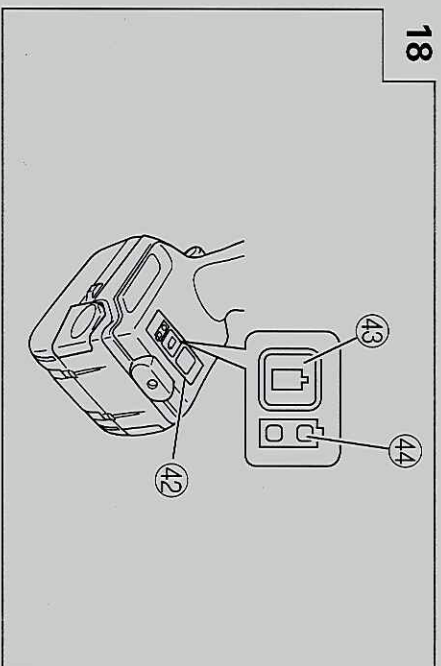
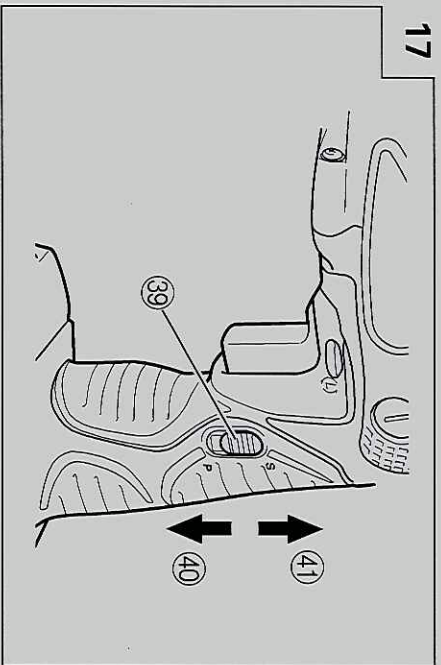
	English	Deutsch	Français	Italiano
①	Rechargeable battery	Batterie	Batterie rechargeable	Batteria ricaricabile
②	Latch	Schnapper	Loquet	Fermo
③	Battery cover	Batterieabdeckung	Couvercle de pile	Coperchio per la batteria
④	Terminals	Anschlüsse	Bornes	Terminali
⑤	Ventilation holes	Belüftungslöcher	Orifices de ventilation	Fori di ventilazione
⑥	Push	Drücken	Pousser	Spingere
⑦	Handle	Handgriff	Poignée	Impugnatura
⑧	Pull out	Herausziehen	Tirer vers l'extérieur	Estrarre
⑨	Insert	Einsetzen	Insérer	Inserire
⑩	Charger	Ladegerät	Chargeur	Caricatore
⑪	Pilot lamp	Kontrolllampe	Lampe témoin	Spia
⑫	Line	Leitung	Ligne	Linea
⑬	Drill bit	Bohrer	Forêt de perçage	Punta del trapano
⑭	Part of SDS-plus shank	Teil des SDS-plus Schaftes	Élément de la tige SDS plus	Parte dell'asta SDS plus
⑮	Front cap	Vordere Abdeckung	Capuchon avant	Protezione davanti
⑯	Grip	Spannbacke	Attache coulissante	Presadavanti
⑰	Dust cup	Staubschale	Godet à poussière	Contentitore a polvere
⑱	Dust collector (B)	Staubfang (B)	Collecteur à poussière (B)	Camera a polvere (B)

	Nederlands	Español	Português
①	Oplaadbare batterij	Batería recargable	Bateria recarregável
②	Vergrendeling	Enganche	Lingüeta
③	Batterijdeksel	Tapa de batería	Tampa da bateria
④	Aansluitpunten	Terminales	Terminais
⑤	Ventilatietoeningen	Orificios de ventilación	Orificios de ventilação
⑥	Drukken	Presionar	Apertar
⑦	Handgreep	Asidero	Cabo
⑧	Uittrekken	Sacar	Retirar
⑨	Insteken	Inserter	Inserir
⑩	Acculader	Cargador	Carregador
⑪	Controllelampje	Lámpara piloto	Lâmpada piloto
⑫	Lijn	Linea	Linha
⑬	Boorstuk	Broca	Broca
⑭	Onderdeel van SDS Plus schacht	Parte del SDS más vástago	Cabo de peça SDS-plus
⑮	Voorkap	Cubierta frontal	Tampa da frente
⑯	Greep	Sujetador	Mordente
⑰	Stofvangkap	Copa de polvo	Receptáculo para poeira
⑱	Stofverzamelaar (B)	Colector de polvo (B)	Coletor de poeira (B)



	English	Deutsch	Français	Italiano
13	Drill bit	Bohrer	Foret de perçage	Punta del trapano
14	Part of SDS-plus shank	Teil des SDS-plus Schaftes	Élément de la tige SDS plus	Parte dell'asta SDS plus
15	Front cap	Vordere Abdeckung	Capuchon avant	Protezione davanti
16	Grip	Spannbacke	Attache coulissante	Presa davanti
19	Push button	Druckknopf	Poussoir	Tasto da premere
20	Forward rotation	Vorwärtsdrehung	Rotation avant	Rotazione in avanti
21	Reverse rotation	Rückwärtsdrehung	Rotation inverse	Rotazione indietro
22	Push the (R) side	Die (R) Seite drücken	Pousser sur le côté (R)	Spingere il lato (R)
23	Push the (L) side	Die (L) Seite drücken	Pousser sur le côté (L)	Spingere il lato (L)
24	(R) indication	(R) Anzeige	Indication (R)	Indicazione (R)
25	(L) indication	(L) Anzeige	Indication (L)	Indicazione (L)
26	Change lever	Wechselknopf	Bouton de changement	Rotella di cambio
27	"  " mark	"  " zeichen	Repère "  "	Contrassetgno "  "
28	"  " mark	"  " zeichen	Repère "  "	Contrassegno "  "
29	Drill chuck	Bohrfutter	Mandrin porte-feret	Mandrino
30	Chuck adaptor	Bohreradapter	Raccord de mandrin	Adattatore per mandrino
31	Bit	Bohrerspitzen	Mèche	Punta
32	Socket	Fassung	Prise	Presa
33	Depth gauge	Tiefenmesser	Jauge de profondeur	Calibro profondità
34	Mounting hole	Befestigungsöffnung	Orifice de montage	Foro d'inserimento della bacchetta di arresto
35	Side handle	Handgriff	Poignée laterale	Laterale
36	Taper shank adaptor	Kegeleschaftadapter	Raccord de queue conique	Adattatore per gambo conico
37	Cotter	Dorn	Clavette	Coppiglia
38	Rest	Auflage	Support	Appoggio

	Nederlands	Español	Português
13	Boorstuk	Broca	Broca
14	Onderdeel van SDS Plus schacht	Parte del SDS más vástago	Cabo de peça SDS-plus
15	Voorkap	Cubierta frontal	Tampa da frente
16	Greep	Suietador	Mordente
19	Druktoets	Pulsador	Botão de pressão
20	Voorwaartse draairichting	Rotación hacia la derecha	Rotação para frente
21	Terugwaartse draairichting	Rotación hacia la izquierda	Rotação inversa
22	Druk aan de (R) kant	Presione el lado (R)	Apertar o lado (R)
23	Druk aan de (L) kant	Presione el lado (L)	Apertar o lado (L)
24	(R) aanduiding	Indicación (R)	Indicação (R)
25	(L) aanduiding	Indicación (L)	Indicação (L)
26	Omstelknop	Perilla de cambio	Seletor
27	"  "-markering	Marca "  "	Marca "  "
28	"  "-markering	Marca "  "	Marca "  "
29	Boorkop	Portabrocas	Mandril
30	Boorkopadapter	Adaptador del portabrocas	Adaptador do mandril
31	Boorstuk	Broca	Palhetao
32	Aansluitbus	Cubo	Encaixe
33	Diepte-maatlat	Calibre de profundidad	Sonda
34	Montagegat	Agujero de montaje	Orificio de montagem
35	Zijgreep	Mango lateral	Empunhadura lateral
36	Vernauwde schachtadapter	Adaptador de la espiga	Adaptador de cabo cónico
37	Cotter	Chaveta	Cavilha
38	Steun	Apoyo	Suporte



	English	Deutsch	Français	Italiano
39	Shift knob	Schaltknopf	Bouton de changement	Manopola del cambio
40	"POWER" mode	"POWER"-Modus	Mode "POWER" (puissance)	Modo "POWER"
41	"SAVE" mode	"SAVE"-Modus	Mode "SAVE" (économie)	Modo "SAVE"
42	Switch panel	Schalttafel	Tableau de commande	Pannello dell'interruttore
43	Remaining battery indicator switch	Ladezustand-Kontrollleuchte	Commutateur de puissance batterie résiduelle	Interruttore indicatore batteria restante
44	Remaining battery indicator lamp	Ladezustand-Kontrollleuchte	Témoin lumineux de puissance batterie résiduelle	Spia luminosa batteria restante
45	Light switch	Lichtschalter	Commutateur d'éclairage	Interruttore della luce
46	Wear limit	Verschleißgrenze	Limite d'usure	Limite di usura
47	Nail of carbon brush	Klaue der Kohlebürste	Clou de balai en carbone	Chiodo di spazzola di carbone
48	Protrusion of carbon brush	Krempe der Kohlebürste	Saillie de balai en carbone	Sporgenza di spazzola di carbone
49	Contact portion outside brush tube	Kontaktteil außerhalb des Bürstenrohrs	Section de contact à l'extérieur du tube de balai	Parte di contatto fuori dal tubo spazzola

	Nederlands	Español	Português
39	Schakelknop	Perilla de cambio	Seletor
40	"POWER" stand	Modo "POWER"	Modo "POWER"
41	"SAVE" stand	Modo "SAVE"	Modo "SAVE"
42	Schakelaarpaneel	Panel de interruptores	Painel de interruptores
43	Indicatieschakelaar resterende acculading	Interruptor de indicador de batería restante	Interruptor de indicação da autonomia da pilha
44	Indicatielampje resterende acculading	Indicador luminoso de batería restante	Luz de indicação da autonomia da pilha
45	Lichtschakelaar	Interruptor de luces	Interruptor da luz
46	Slijtagegrens	Limite de uso	Limite de desgaste
47	Nagel van koolborstel	Uña de escobilla de carbón	Preço da escova de carvão
48	Uitsteeksel van koolborstel	Saliente de escobilla de carbón	Saliência da escova de carvão
49	Contact-gedeelte buiten de borstelbuis	Tubo exterior de la parte de contacto de la escobilla de carbón	Segmento de contato no exterior do tubo da escova

<p>Symbols ⚠ WARNING The following show symbols used for the machine. Be sure that you understand their meaning before use.</p>	<p>Symbole ⚠ WARNUNG Die folgenden Symbole werden für diese Maschine verwendet. Achten Sie darauf, diese vor der Verwendung zu verstehen.</p>	<p>Symboles ⚠ AVERTISSEMENT Les symboles suivants sont utilisés pour l'outil. Bien se familiariser avec leur signification avant d'utiliser l'outil.</p>	<p>Simboli ⚠ AVVERTENZA Di seguito mostriamo i simboli usati per la macchina. Assicurarsi di comprenderne il significato prima dell'uso.</p>
<p>Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.</p>	<p>Lesen Sie sämtliche Sicherheitshinweise und Anweisungen durch. Wenn die Warnungen und Anweisungen nicht befolgt werden, kann es zu Stromschlag, Brand und/oder ernsthaften Verletzungen kommen.</p>	<p>Lire tous les avertissements de sécurité et toutes les instructions. Tout manquement à observer ces avertissements et instructions peut engendrer des chocs électriques, des incendies et/ou des blessures graves.</p>	<p>Leggere tutti gli avvertimenti di sicurezza e tutte le istruzioni. La mancata osservanza degli avvertimenti e delle istruzioni potrebbe essere causa di scosse elettriche, incendi e/o gravi lesioni.</p>
<p>Only for EU countries Do not dispose of electric tools together with household waste material! In observance of European Directive 2002/96/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.</p>	<p>Nur für EU-Länder Werfen Sie Elektrowerkzeuge nicht in den Hausmüll! Gemäß Europäischer Richtlinie 2002/96/EG über Elektro- und Elektronik-Altgeräte und Umsetzung in nationales Recht müssen verbrauchte Elektrowerkzeuge getrennt gesammelt und einer umweltgerechten Wiederverwertung zugeführt werden.</p>	<p>Pour les pays européens uniquement Ne pas jeter les appareils électriques dans les ordures ménagères! Conformément à la directive européenne 2002/96/EG relative aux déchets d'équipements électriques ou électroniques (DEEE), et à sa transposition dans la législation nationale, les appareils électriques doivent être collectés à part et être soumis à un recyclage respectueux de l'environnement.</p>	<p>Solo per Paesi UE Non gettare le apparecchiature elettriche tra i rifiuti domestici. Secondo la Direttiva Europea 2002/96/CE sui rifiuti di apparecchiature elettriche ed elettroniche e la sua attuazione in conformità alle norme nazionali, le apparecchiature elettriche esauste devono essere raccolte separatamente, al fine di essere reimpiagate in modo eco-compatibile.</p>
<p>Símbolos ⚠ WAARSCHUWING Hieronder staan symbolen afgebeeld die van toepassing zijn op deze machine. U moet de betekenis hiervan begrijpen voor gebruik.</p>	<p>Simbólos ⚠ ADVERTENCIA A continuación se muestran los símbolos usados para la máquina. Asegúrese de comprender su significado antes del uso.</p>	<p>Simbolos ⚠ AVISO A seguir aparecem os símbolos utilizados pela máquina. Assmille bem seus significados antes do uso.</p>	
<p>Lees alle waarschuwingen en instructies aandachtig door. Nalating om de waarschuwingen en instructies op te volgen kan in een elektrische schok, brand en/of ernstig letsel resulteren.</p>	<p>Lea todas las instrucciones y advertencias de seguridad. Si no se siguen las advertencias e instrucciones, podría producirse una descarga eléctrica, un incendio y/o daños graves.</p>	<p>Leia todas as instruções e avisos de segurança. Se não seguir todas as instruções e os avisos, pode provocar um choque eléctrico, incêndio e/ou ferimentos graves.</p>	
<p>Alleen voor EU-landen Geef elektrisch gereedschap niet met het huisvuil mee! Volgens de Europese richtlijn 2002/96/EG inzake oude elektrische en elektronische apparaten en de toepassing daarvan binnen de nationale wetgeving, dient gebruikt elektrisch gereedschap gescheiden te worden ingezameld en te worden afgevoerd naar een recycle bedrijf dat voldoet aan de geldende milieu-eisen.</p>	<p>Sólo para países de la Unión Europea ¡No desache los aparatos eléctricos junto con los residuos domésticos! De conformidad con la Directiva Europea 2002/96/CE sobre residuos de aparatos eléctricos y electrónicos y su aplicación de acuerdo con la legislación nacional, las herramientas eléctricas cuya vida útil haya llegado a su fin se deberán recoger por separado y trasladar a una planta de reciclaje que cumpla con las exigencias ecológicas.</p>	<p>Apenas para países da UE Não deite ferramentas eléctricas no lixo doméstico! De acordo com a directiva europeia 2002/96/CE sobre ferramentas eléctricas e electrónicas usadas e a transposição para as leis nacionais, as ferramentas eléctricas usadas devem ser recolhidas em separado e encaminhadas a uma instalação de reciclagem dos materiais ecológica.</p>	

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.

- 1) **Work area safety**
 - a) **Keep work area clean and well lit.**
Cluttered or dark areas invite accidents.
 - b) **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.
 - c) **Keep children and bystanders away while operating a power tool.**
Distractions can cause you to lose control.
- 2) **Electrical safety**
 - a) **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.
 - b) **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.
 - c) **Do not expose power tools to rain or wet conditions.**
Water entering a power tool will increase the risk of electric shock.
 - d) **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.
 - e) **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.
 - f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.**
Use of an RCD reduces the risk of electric shock.
- 3) **Personal safety**
 - a) **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.
 - b) **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.
- c) **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.
- d) **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.
- e) **Do not overreach. Keep proper footing and balance at all times.**
This enables better control of the power tool in unexpected situations.
- f) **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.
- g) **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.
- 4) **Power tool use and care**
 - a) **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.
 - b) **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.
 - c) **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.
 - d) **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.
 - e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation.**
If damaged, have the power tool repaired before use.
Many accidents are caused by poorly maintained power tools.
 - f) **Keep cutting tools sharp and clean.**
Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
 - g) **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.

- 5) **Battery tool use and care**
 - a) **Recharge only with the charger specified by the manufacturer.**
A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
 - b) **Use power tools only with specifically designated battery packs.**
Use of any other battery packs may create a risk of injury and fire.
 - c) **When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another.**
Shorting the battery terminals together may cause burns or a fire.
 - d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.**

6) Service

- a) **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.

PRECAUTION

Keep children and infirm persons away.

When not in use, tools should be stored out of reach of children and infirm persons.

PRECAUTIONS FOR CORDLESS ROTARY

HAMMER

1. Always charge the battery at a temperature of 0 – 40°C.
A temperature of less than 0°C will result in over charging which is dangerous. The battery cannot be charged at a temperature higher than 40°C. The most suitable temperature for charging is that of 20 – 25°C.
2. Do not use the charger continuously.
When one charging is completed, leave the charger for about 15 minutes before the next charging of battery.
3. Do not allow foreign matter to enter the hole for connecting the rechargeable battery.
4. Never disassemble the rechargeable battery and charger.
5. Never short-circuit the rechargeable battery. Short-circuiting the battery will cause a great electric current and overheating. It results in burn or damage to the battery.
6. Do not dispose of the battery in fire.
If the battery is burnt, it may explode.
7. When using this unit continuously, the unit may overheat, leading to damage in the motor and switch. Please leave it without using it for approximately minutes.
8. Do not insert object into the air ventilation slots of the charger.
Inserting metal objects or inflammables into the charger air ventilation slots will result in electrical shock hazard or damaged charger.
9. Using an exhausted battery will damage the charger.

10. When drilling in wall, floor or ceiling, check for buried electric power cord, etc.
11. Bring the battery to the shop from which it was purchased as soon as the post-charging battery life becomes too short for practical use. Do not dispose of the exhausted battery.
12. Wear ear protections
13. Exposure to noise can cause hearing loss.
Do not touch the bit during or immediately after operation. The bit becomes very hot during operation and could cause serious burns.
14. Use auxiliary handles supplied with the tool.
Loss of control can cause personal injury.
15. Always hold the body handle and side handle of the power tool firmly. Otherwise the counterforce produced may result in inaccurate and even dangerous operation.
16. Wear a dust mask
Do not inhale the harmful dusts generated in drilling or chiseling operation. The dust can endanger the health of yourself and bystanders.

CAUTION ON LITHIUM-ION BATTERY

To extend the lifetime, the lithium-ion battery equips with the protection function to stop the output.

In the cases of 1 and 2 described below, when using this product, even if you are pulling the switch, the motor may stop. This is not the trouble but the result of protection function.

1. When the battery power remaining runs out, the motor stops.
2. In such case, charge it up immediately.
2. If the tool is overloaded, the motor may stop. In this case, release the switch of tool and eliminate causes of overloading. After that, you can use it again.

Furthermore, please heed the following warning and caution.

WARNING

In order to prevent any battery leakage, heat generation, smoke emission, explosion and ignition beforehand, please be sure to heed the following precautions.

1. Make sure that swarf and dust do not collect on the battery.
- During work make sure that swarf and dust do not fall on the battery.
- Make sure that any swarf and dust falling on the power tool during work do not collect on the battery.
- Do not store an unused battery in a location exposed to swarf and dust.
- Before storing a battery, remove any swarf and dust that may adhere to it and do not store it together with metal parts (screws, nails, etc.).
2. Do not pierce battery with a sharp object such as a nail, strike with a hammer, step on, throw or subject the battery to severe physical shock.
Do not use an apparently damaged or deformed battery.
3. Do not use the battery in reverse polarity.
4. Do not connect directly to an electrical outlets or car cigarette lighter sockets.
5. Do not use the battery for a purpose other than those specified.
7. If the battery charging fails to complete even when a specified recharging time has elapsed, immediately stop further recharging.

8. Do not put or subject the battery to high temperatures or high pressure such as into a microwave oven, dryer, or high pressure container. Keep away from fire immediately when leakage or foul odor are detected.
9. Do not use in a location where strong static electricity generates.
10. If there is battery leakage, foul odor, heat generated, discolored or deformed, or in any way appears abnormal during use, recharging or storage, immediately remove it from the equipment or battery charger, and stop use.
11. If there is battery leakage, foul odor, heat generated, discolored or deformed, or in any way appears abnormal during use, recharging or storage, immediately remove it from the equipment or battery charger, and stop use.

CAUTION

1. If liquid leaking from the battery gets into your eyes, do not rub your eyes and wash them well with fresh clean water such as tap water and contact a doctor immediately.
If left untreated, the liquid may cause eye-problems.

2. If liquid leaks onto your skin or clothes, wash well with clean water such as tap water immediately. There is a possibility that this can cause skin irritation. If you find rust, foul odor, overheating, discolor, deformation, and/or other irregularities when using the battery for the first time, do not use and return it to your supplier or vendor.
3. **WARNING**
If an electrically conductive foreign object enters the terminals of the lithium ion battery, a short-circuit may occur resulting in the risk of fire. Please observe the following matters when storing the battery.
 Do not place electrically conductive cuttings, nails, steel wire, copper wire or other wire in the storage case.
 Either install the battery in the power tool or store by securely pressing into the battery cover until the ventilation holes are concealed to prevent short-circuits (See Fig. 1).

SPECIFICATIONS

POWER TOOL

Model	DH14DSL		DH18DSL	
No-load speed	Save/Power 0 - 750 min ⁻¹ / 0 - 1500 min ⁻¹			
Full-load impact rate	Save/Power 0 - 3100 min ⁻¹ / 0 - 6200 min ⁻¹			
Capacity	Drilling	Concrete	16 mm	
		Steel	13 mm	
		Wood	18 mm	
Rechargeable battery	BSL1430: Li-ion 14.4 V (3.0 Ah, 8 cells)		BSL1830: Li-ion 18 V (3.0 Ah, 10 cells)	
Weight	2.1 kg		2.2 kg	

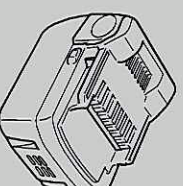
- Do not use the "SAVE" mode when boring holes with the wood drill. There is a likelihood that the motor will burn out.

CHARGER

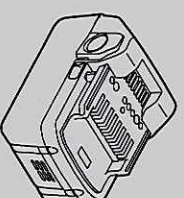
Model	UC18YRSL
Charging voltage	14.4 V 18 V
Weight	0.6 kg

OPTIONAL ACCESSORIES (sold separately)

1. Battery
(1) BSL1430: DH14DSL



- (2) BSL1830: DH18DSL



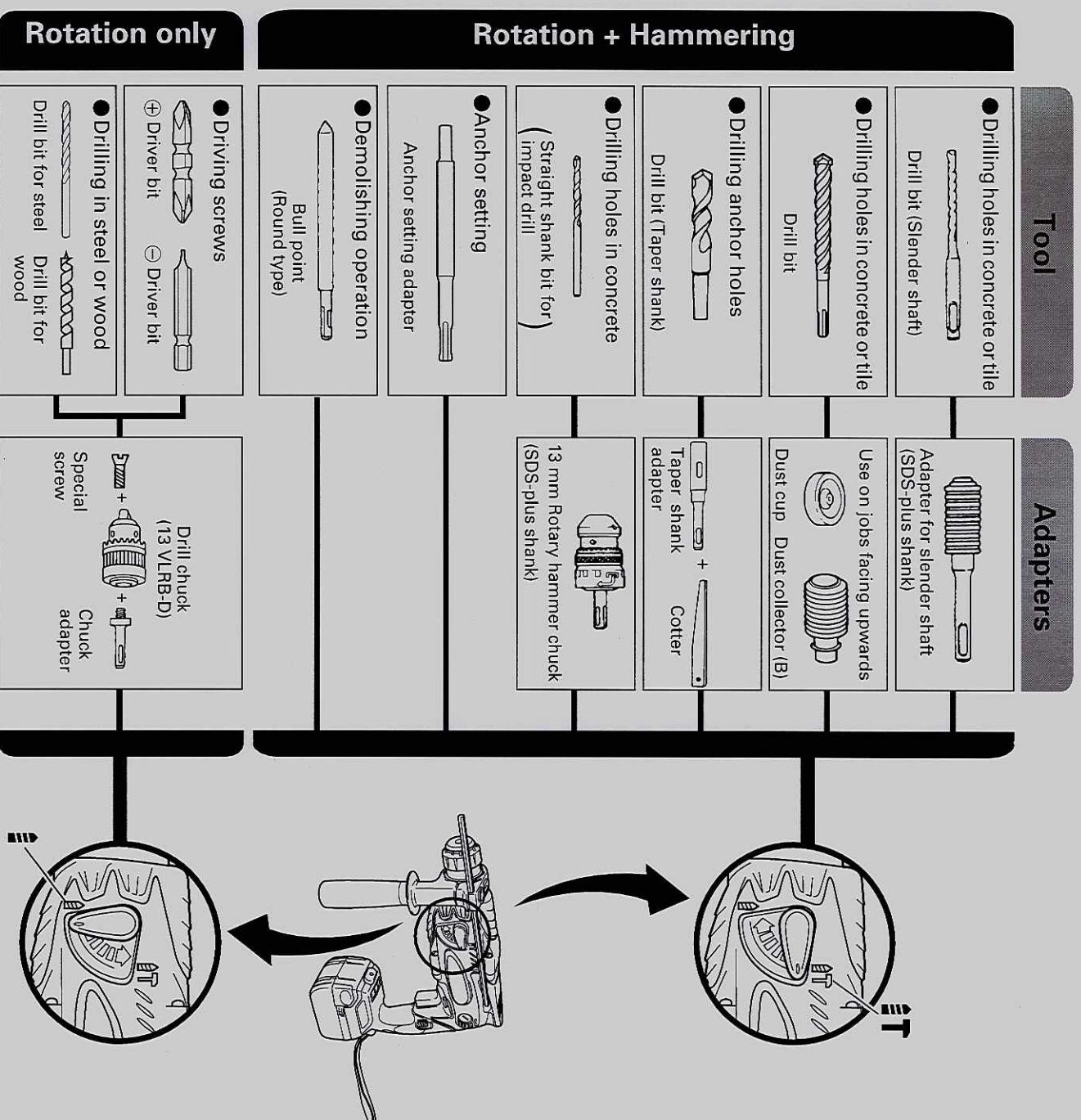
STANDARD ACCESSORIES

DH14DSL (2LSCK) DH18DSL (2LSCK)	① Side handle	1
	② Depth gauge	1
	③ Charger	1
	④ Plastic case	1
	⑤ Battery	2
	⑥ Battery cover	1
DH14DSL (NN) DH18DSL (NN)	Without charger, plastic case, battery and battery cover	

Standard accessories are subject to change without notice.

It may be convenient to prepare some extra batteries.

2. Tool and adapter



- Drilling holes in concrete or tile

Drill bit (slender shatt)		
Outer dia.	Overall length	Effective length
3.4 mm	90 mm	45 mm
3.5 mm		

SDS-plus Drill bit		
Outer dia.	Overall length	Effective length
4.0 mm	110 mm	50 mm
5.0 mm	110 mm	50 mm
	160 mm	100 mm
5.5 mm	110 mm	50 mm
6.5 mm	160 mm	100 mm
7.0 mm	160 mm	100 mm
8.0 mm	160 mm	100 mm
8.5 mm	160 mm	100 mm
9.0 mm	160 mm	100 mm
12.0 mm	166 mm	100 mm
	260 mm	200 mm
12.7 mm	166 mm	100 mm
14.0 mm	166 mm	100 mm
15.0 mm	166 mm	100 mm
16.0 mm	166 mm	100 mm
	260 mm	200 mm

- Drilling anchor holes

Taper shank adapter	
Taper mode	
Morse taper No.1	
A-Taper	
B-taper	

- Anchor setting

Anchor setting adapter	
Anchor size	
W 1/4"	
W 5/16"	
W 3/8"	

Optional accessories are subject to change without notice.

APPLICATIONS

Rotation and hammering function

- Drilling anchor holes
 - Drilling holes in concrete
 - Drilling holes in tile
- Rotation only function
- Drilling in steel or wood (with optional accessories)
 - Tightening machine screws, wood screws (with optional accessories)

BATTERY REMOVAL/INSTALLATION

1. Battery removal

Hold the handle tightly and push the battery latches (2 pcs.) to remove the battery (See Figs. 1 and 2).

CAUTION

Never short-circuit the battery.

2. Battery installation

Insert the battery while observing its polarities. (See Fig. 2)

CHARGING

Before using the power tool, charge the battery as follows.

1. **Connect the charger's power cord to a receptacle.**
When the power cord is connected, the charger's pilot lamp will blink in red. (At 1-second intervals)
2. **Insert the battery into the charger.**
Firmly insert the battery into the charger until the line is visible, as shown in Fig. 3, 4.

3. Charging

When inserting a battery in the charger, charging will commence and the pilot lamp will light continuously in red.

When the battery becomes fully recharged, the pilot lamp will blink in red. (At 1-second intervals) (See Table 1)

(1) Pilot lamp indication

The indications of the pilot lamp will be as shown in Table 1, according to the condition of the charger or the rechargeable battery.

Table 1

Indications of the pilot lamp			
The pilot lamp lights or blinks in red.	Before charging	Blinks	Lights for 0.5 seconds. Does not light for 0.5 seconds. (off for 0.5 seconds)
	While charging	Lights	Lights continuously
	Charging complete	Blinks	Lights for 0.5 seconds. Does not light for 0.5 seconds. (off for 0.5 seconds)
Charging impossible	Overheat Standby	Flickers	Lights for 0.1 seconds. Does not light for 0.1 seconds. (off for 0.1 seconds)
		Lights	Lights continuously
The pilot lamp lights in green.			Malfunction in the battery or the charger
			Battery overheated. Unable to charge (Charging will commence when battery cools).

(2) Regarding the temperatures of the rechargeable battery
 The temperatures for rechargeable batteries are as shown in **Table 2**, and batteries that have become hot should be cooled for a while before being recharged.

Table 2 Recharging ranges of batteries

Rechargeable batteries	Temperatures at which the battery can be recharged
BSSL1430, BSSL1830	0°C – 40°C

(3) Regarding recharging time
 Depending on the combination of the charger and batteries, the charging time will become as shown in **Table 3**.

Table 3 Charging time (At 20°C)

Charger	UC18YRSL
Battery	UC18YRSL
BSSL1430, BSSL1830	Approx. 45 min.

NOTE:
 The charging time may vary according to temperature and power source voltage.

4. **Disconnect the charger's power cord from the receptacle.**

5. **Hold the charger firmly and pull out the battery.**
NOTE:
 After operation, pull out batteries from the charger first, and then keep the batteries properly.

How to make the batteries perform longer

(1) Recharge the batteries before they become completely exhausted.
 When you feel that the power of the tool becomes weaker, stop using the tool and recharge its battery. If you continue to use the tool and exhaust the electric current, the battery may be damaged and its life will become shorter.

(2) Avoid recharging at high temperatures.
 A rechargeable battery will be hot immediately after use. If such a battery is recharged immediately after use, its internal chemical substance will deteriorate, and the battery life will be shortened. Leave the battery and recharge it after it has cooled for a while.

CAUTION

- When the battery charger has been continuously used, the battery charger will be heated, thus constituting the cause of the failures. Once the charging has been completed, give 15 minutes rest until the next charging.
- If the battery is recharged when it is warm due to battery use or exposure to sunlight, the pilot lamp map light in green.
- The battery will not be recharged. In such a case, let the battery cool before charging.
- When the pilot lamp flickers in red (at 0.2-second intervals), check for and take out any foreign objects in the charger's battery installation hole. If there are no foreign objects, it is probable that the battery or charger is malfunctioning. Take it to your authorized Service Center.

PRIOR TO OPERATION

1. **Mounting the drill bit (Fig. 5, 6)**

CAUTION

To prevent accidents, make sure to turn the switch off.

NOTE:

- When using tools such as drill bits, etc., make sure to use the genuine parts designated by our company.
- (1) Clean the shank portion of the drill bit.
 - (2) Insert the drill bit in a twisting manner into the tool holder until it latches itself. (Fig. 5)
 - (3) The grip need not be adjusted during bit installation.
 - (3) Check the latching by pulling on the drill bit.
 - (4) To remove the drill bit, fully pull the grip in the direction of the arrow and pull out the drill bit.
 2. **Confirm that the battery is mounted correctly.**
 3. **Installation of dust cup or dust collector (B) (Optional accessories) (Fig. 7, Fig. 8)**

When using a rotary hammer for upward drilling operations attach a dust cup or a dust collector (B) to collect dust or particles for easy operation.

- Installing the dust cup
- Use the dust cup by attaching to the drill bit as shown in **Fig. 7**.

When using a bit which has big diameter, enlarge the center hole of the dust cup with this rotary hammer.

- Installing dust collector (B)
- When using dust collector (B), insert dust collector (B) from the tip of the bit by aligning it to the groove on the grip. (**Fig. 8**)

CAUTION

- The dust cup and dust collector (B) are for exclusive use of concrete drilling work. Do not use them for wood or metal drilling work.
- Insert dust collector (B) completely into the chuck part of the main unit.

- When turning the rotary hammer on while dust collector (B) is detached from a concrete surface, dust collector (B) will rotate together with the drill bit. Make sure to turn on the switch after pressing dust cup on the concrete surface. When using dust collector (B) attached to a drill bit that has more than 190 mm of overall length, dust collector (B) cannot touch the concrete surface and will rotate. Therefore, please use dust collector (B) by attaching to drill bits which have 166 mm, 160 mm, and 110 mm overall length.

- Dump particles after every two or three holes when drilling.
- Please replace the drill bit after removing dust collector (B).

4. Selecting the driver bit

Screw heads or bits will be damaged unless a bit appropriate for the screw diameter is employed to drive in the screws.

5. Confirm the direction of bit rotation (Fig. 9)

The bit rotates clockwise (viewed from the rear side) by pushing the R-side of the push button. The L-side of the push button is pushed to turn the bit counterclockwise. (See **Fig. 9**) (The (L) and (R) marks are provided on the body.)

CAUTION

The push button cannot be switched while the power tool is turning. To switch the push button, stop the power tool, then set the push button.

6. Continuous drilling

The number of holes that can be drilled in concrete after one recharge is shown in **Table 4**.

Table 4

Bit dia. (mm)	Depth (mm)	Possible continuous drilling number (holes)	
		DH14DSL	DH18DSL
*3.5		65	110
4		98	122
5		80	113
6	30	72	105
8		55	77
10		48	64
12		41	57
14		34	47
16		22	32

* Use an adapter for a small diameter bit.

These data are for the referential values. The number of holes that can be drilled varies according to the sharpness of the used bit or the conditions of the concrete being drilled.

CAUTION

When using this unit continuously, the unit may overheat, leading to damage in the motor and switch. Please leave it without using it for approximately 15 minutes.

HOW TO USE


1. Switch operation

- When the switch trigger is depressed, the tool rotates. When the switch trigger is released, the tool stops.

- The rotational speed of the rotary hammer can be controlled by varying the amount that the switch trigger is pulled. Speed is low when the switch trigger is pulled slightly and increases as the switch trigger is pulled more.

- When releasing the switch trigger, the brake will be applied for immediate stopping.

2. Rotation + Hammering

Turn the change lever fully in the direction of the “” mark to set “rotation + hammering”.

- (1) Mount the drill bit.

- (2) Pull the trigger switch after applying the drill bit tip to the drilling position. (**Fig. 10**)

- (3) Pushing the rotary hammer forcibly is not necessary at all. Pushing slightly so that drill dust comes out gradually is just sufficient.

CAUTION

When the drill bit touches construction iron bar, the bit will stop immediately and the rotary hammer will react to revolve. Therefore please grip the side handle and handle tightly as shown in **Fig. 11**.

3. Rotation only

Turn the change lever fully in the direction of the “” mark to set “rotation only”. (**Fig. 10**)

To drill a wood or metal material using the optional drill chuck and chuck adapter, proceed as follows. Installing drill chuck and chuck adapter: (**Fig. 12**)

- (1) Attach the drill chuck to the chuck adaptor.

- (2) The part of the SDS-plus shank is the same as the drill bit. Therefore, refer to the item of “Mounting the drill bit” for attaching it.

CAUTION

- Application of force more than necessary will not only expedite work at all, but will deteriorate the tip edge of the drill bit and reduce the service life of the rotary hammer in addition.
- Drill bit may snap off while withdrawing the rotary hammer from the drilled hole. For withdrawing, it is important to use a pushing motion.
- Do not attempt to use the rotary hammer in the rotation and striking mode with the drill chuck and chuck adapter attached. This would seriously shorten the service life of every component of the machine.

4. When driving wood screws (Fig. 13)

- (1) Selecting a suitable driver bit
- Employ plus-head screws, if possible, since the driver bit easily slips off the heads of slotted-head screws.

- (2) Tightening wood screws

Prior to tightening wood screws, make pilot holes suitable for them in the wooden board. Apply the bit to the screw head grooves and gently drive the screws in the holes.

CAUTION

Exercise care in preparing a pilot hole suitable for the wood screw taking the hardness of the wood into consideration. Should the hole be excessively small or shallow, requiring much power to drive the screw into it, the thread of the wood screw may sometimes be damaged.

5. Using depth gauge (Fig. 14)

- (1) Loosen the knob on the side handle, and insert the depth gauge into the mounting hole on the side handle.
- (2) Adjust the depth gauge position according to the depth of the hole and tighten the knob bolt securely.

6. How to use the drill bit (taper shank) and the taper shank adapter

- (1) Mount the taper shank adapter to the rotary hammer. (Fig. 15)
- (2) Mount the drill bit (taper shank) to the taper shank adapter. (Fig. 15)
- (3) Turn the switch ON, and drill a hole to prescribed depth.
- (4) To remove the drill bit (taper shank), insert the cotter into the slot of the taper shank adapter and strike the head of the cotter with a hammer supporting on the rest. (Fig. 16)

7. Switching between the "SAVE" and the "POWER" modes

The hammering force of the hammer can be increased or decreased to conform with intended usage, by operating the shift knob as per Fig. 17. Adjust the force to match the usage intended.

- (1) "SAVE" mode ... decreased hammering force
This can prevent thin drill bits which are less than 4.3 mm in diameter, from being bent or broken.
- (2) "POWER" mode ... increased hammering force
This can be used to speedily and efficiently drill holes when the drill bits which are being used are greater than 4 mm in diameter.
- This can be used to drill holes into wood or metal.




CAUTION

Do not drill holes in wood with the "SAVE" mode. There is a likelihood that the motor will burn out because it can easily lock up due to the low power.

8. About Remaining Battery Indicator

When pressing the remaining battery indicator switch, the remaining battery power can be checked. (Fig. 18) When releasing your finger from the remaining battery indicator switch, the remaining battery indicator lamp goes off. The Table 5 shows the state of remaining battery indicator lamp and the battery remaining power.

Table 5

State of lamp	Battery Remaining Power
	The battery remaining power is enough.
	The battery remaining power is a half.
	The battery remaining power is nearly empty. Re-charge the battery soonest possible.

As the remaining battery indicator shows somewhat differently depending on ambient temperature and battery characteristics, read it as a reference.

NOTE:

- Do not give a strong shock to the switch panel or break it. It may lead to a trouble.
- To save the battery power consumption, the remaining battery indicator lamp lights while pressing the remaining battery indicator switch.

9. How to use the LED light

Every time you press the light switch on the switch panel, the LED light lights or goes off. (Fig. 19)

To prevent the battery power consumption, turn off the LED light frequently.

CAUTION

- Do not expose directly your eye to the light by looking into the light.
If your eye is continuously exposed to the light, your eye will be hurt.

NOTE:

- To prevent the battery power consumption caused by forgetting to turn off the LED light, the light goes off automatically in about 15 minutes.

LUBRICATION

Low viscosity grease is applied to this rotary hammer so that it can be used for a long period without replacing the grease. Please contact the nearest service center for grease replacement when any grease is leaking from loosened screw.

Further use of the rotary hammer despite the grease shortage causes damage to reduce the service life.

CAUTION

A specific grease (FG-6A) is used with this machine, therefore, the normal performance of the machine may be badly affected by use of different grease. Please be sure to let one of our service centers to undertake replacement of the grease.

MAINTENANCE AND INSPECTION

1. **Inspecting the tool**
Since use of a dull tool will degrade efficiency and cause possible motor malfunction, sharpen or replace the tool as soon as abrasion is noted.
2. **Inspecting the mounting screws**
Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.
3. **Maintenance of the motor**
The motor unit winding is the very "heart" of the power tool. Exercise due care to ensure the winding does not become damaged and/or wet with oil or water.
4. **Inspecting the carbon brushes (Fig. 20)**
The motor employs carbon brushes which are consumable parts. Since and excessively worn carbon brush can result in motor trouble, replace the carbon brush with new ones when it becomes worn to or near the "wear limit". In addition, always keep carbon brushes clean and ensure that they slide freely within the brush holders.

NOTE:

When replacing the carbon brush with a new one, be sure to use the Hitachi Carbon Brush Code No. 328481.

5. **Replacing carbon brushes**
Take out the carbon brush by first removing the brush cap and then hooking the protrusion of the carbon brush with a slotted head screw driver, etc., as shown in **Fig. 22**.
When installing the carbon brush, choose the direction so that the nail of the carbon brush agrees with the contact portion outside the brush tube. Then push it in with a finger as illustrated in **Fig. 23**. Lastly, install the brush cap.

CAUTION

Be absolutely sure to insert the nail of the carbon brush into the contact portion outside the brush tube. (You can insert whichever one of the two nails provided.)

Caution must be exercised since any error in this operation can result in the deformed nail of the carbon brush and may cause motor trouble at an early stage.

6. **Cleaning on the outside**
When the power tool is stained, wipe with a soft dry cloth or a cloth moistened with soapy water. Do not use chloric solvents, gasoline or paint thinner, as they melt plastics.

7. **Storage**

Store the power tool in a place in which the temperature is less than 40°C and out of reach of children.

8. **Service parts list**

CAUTION

Repair, modification and inspection of Hitachi Power Tools must be carried out by a Hitachi Authorized Service Center.

This Parts List will be helpful if presented with the tool to the Hitachi Authorized Service Center when requesting repair or other maintenance.

In the operation and maintenance of power tools, the safety regulations and standards prescribed in each country must be observed.

MODIFICATION

Hitachi Power Tools are constantly being improved and modified to incorporate the latest technological advancements.

Accordingly, some parts may be changed without prior notice.

GUARANTEE

We guarantee Hitachi Power Tools in accordance with statutory/country specific regulation. This guarantee does not cover defects or damage due to misuse, abuse, or normal wear and tear. In case of complaint, please send the Power Tool, undismantled, with the GUARANTEE CERTIFICATE found at the end of this Handling instruction, to a Hitachi Authorized Service Center.

NOTE:

Due to HITACHI's continuing program of research and development, the specifications herein are subject to change without prior notice.

IMPORTANT:

Correct connections of the plug

The wires of the mains lead are coloured in accordance with the following code:

Blue: -Neutral
Brown: -Live

As the colours of the wires in the mains lead of this tool may not correspond with the coloured markings identifying the terminals in your plug proceed as follows: The wire coloured blue must be connected to the terminal marked with the letter N or coloured black.

The wire coloured brown must be connected to the terminal marked with the letter L or coloured red.

Neither core must be connected to the earth terminal.

NOTE:

This requirement is provided according to BRITISH STANDARD 2769: 1984.

Therefore, the letter code and colour code may not be applicable to other markers except United Kingdom.

Information concerning airborne noise and vibration

The measured values were determined according to EN60745 and declared in accordance with ISO 4871.

Measured A-weighted sound power level: 97 dB (A)

Measured A-weighted sound pressure level: 86 dB (A)

Uncertainty KpA: 3 dB (A).

Wear hearing protection.

Vibration total values (triax vector sum) determined according to EN60745.

Hammer drilling into concrete:

Vibration emission value **ah**, **HD** = 10.8 m/s²

Uncertainty K = 2.2 m/s²

WARNING

- The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used.
- To identify the safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

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Product Information

DH18DSL(HJ) – 18V Slide Rotary Hammer Drill



SPECIFICATIONS

Capacity	Masonry: 16mm Wood: 18mm Steel: 13mm
No load speed	0 – 750 / 0 – 1,500 (min-1)
Impact rate	0 – 3,100 / 0 – 6,200 (min-1)
Chuck type	SDS Plus
Weight	2.2kg (with BSL1850 battery)
Length	276mm (with BSL1850 battery)
Battery type	BSL1850: 18V 5.0Ah Lithium ion slide
Standard accessories	2 x BSL1850, cooling charger, carry case, side handle and depth gauge

Note: Specifications may change without notice

KEY SELLING POINTS

- ❖ **Idle striking prevention mechanism** eases drilling whilst preventing damage to the tool, drill bit and application
- ❖ **Power / save mode** is a two power mode allowing the user to select the suitable speed for the job. Save mode for small bits or power mode for larger bits
- ❖ **Ergonomic soft grip handle** combined with handle design enables users to drill straight with ease whilst holding the machine firmly and comfortably
- ❖ **Ultra bright white LED** for improved visibility
- ❖ **Externally accessible brushes** facilitating easy service
- ❖ **Remaining battery indicator** allows the user to read the amount of charge within the battery
- ❖ **Super high capacity 5.0Ah Li-ion batteries with multiple protection circuit** provide long run time and protects the battery & tool from overload, over heat, over discharge & over charge

