



**GB** Cordless Driver Drill

Instruction manual

**ID** Bor Obeng Tanpa Kabel

Petunjuk penggunaan

**VI** Máy Khoan Và Vặn Vít Cầm  
Tay Hoạt Động Bằng Pin

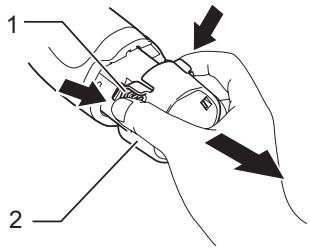
Tài liệu hướng dẫn

**TH** สว่านไขควงแบบไร้สาย

คู่มือการใช้งาน

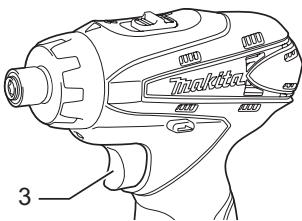
**DF030D**





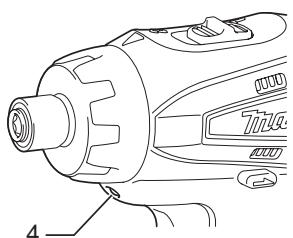
1

008797



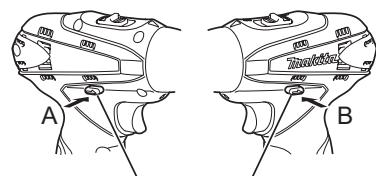
2

008801



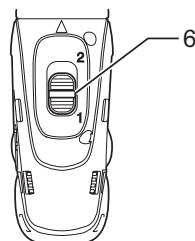
3

008798



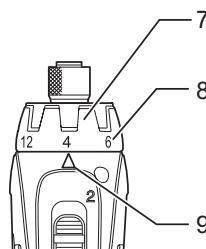
4

008802



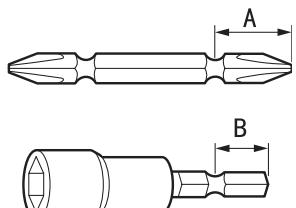
5

008803



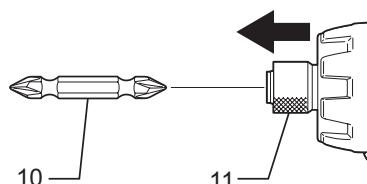
6

008804



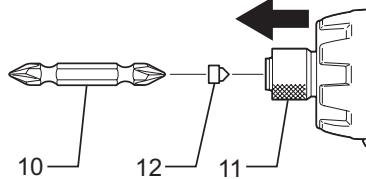
7

004521

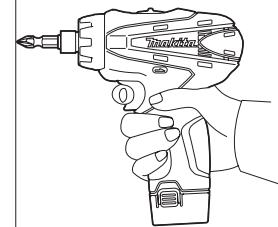


8

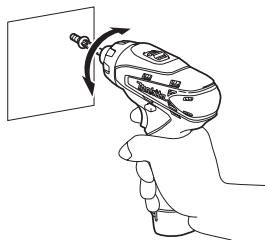
0088799

**9**

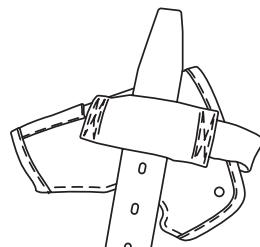
008800

**10**

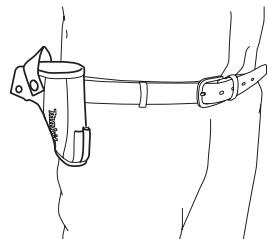
008805

**11**

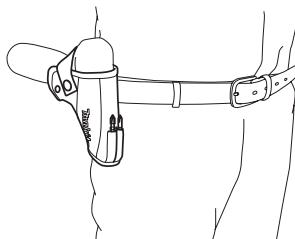
008806

**12**

008807

**13**

008808

**14**

008809

## ENGLISH

### Explanation of general view

- |                      |                           |               |
|----------------------|---------------------------|---------------|
| 1. Button            | 5. Reversing switch lever | 9. Pointer    |
| 2. Battery cartridge | 6. Speed change lever     | 10. Bit       |
| 3. Switch trigger    | 7. Adjusting ring         | 11. Sleeve    |
| 4. Lamp              | 8. Graduation             | 12. Bit-piece |

## SPECIFICATIONS

Model	DF030D	
Capacities	Steel	10 mm
	Wood	21 mm
	Wood screw	5.1 mm x 63 mm
	Machine screw	M6
No load speed (min <sup>-1</sup> )	High (2)	0 - 1,300
	Low (1)	0 - 350
Chuck capacity	6.35 mm	
Overall length	157 mm	
Net weight	0.89 kg	
Rated voltage	D.C. 10.8 V	

- Due to our continuing programme 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

### Symbols

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



..... Read instruction manual.

END004-4

**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.

### 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.

## **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.**

GEB088-1

# **CORDLESS DRIVER DRILL SAFETY WARNINGS**

- 1. Use auxiliary handle(s), if supplied with the tool.** Loss of control can cause personal injury.
- 2. 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.
- 3. Hold power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring.** Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- 4. Always be sure you have a firm footing.** Be sure no one is below when using the tool in high locations.
- 5. Hold the tool firmly.**
- 6. Keep hands away from rotating parts.**
- 7. Do not leave the tool running.** Operate the tool only when hand-held.

8. Do not touch the drill bit or the workpiece immediately after operation; they may be extremely hot and could burn your skin.
9. 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.

ENC009-1

## 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.

## 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 (Fig. 1)

### ⚠ CAUTION:

- Always switch off the tool before installing or removing of the battery cartridge.
- 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.

To remove the battery cartridge, withdraw it from the tool while pressing the buttons on both sides of the cartridge. To install the battery cartridge, hold it so that the battery cartridge front shape fits to that of the battery installment opening and slip it into place. Insert it all the way until it locks in place with a little click.

### ⚠ CAUTION:

- Always insert the battery cartridge all the way until it locks in place. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.
- Do not install the battery cartridge forcibly. If the cartridge does not slide in easily, it is not being inserted correctly.

### Battery protection system

The tool is equipped with a battery protection system. This system automatically cuts off power to the motor 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 switch trigger on the tool and stop the application that caused the tool to become overloaded. Then pull the switch trigger again to restart.
- Low battery voltage:  
The remaining battery capacity is too low and the tool will not operate. If you pull the switch trigger, the motor runs again but stops soon. In this situation, remove and recharge the battery.

### Switch action (Fig. 2)

### ⚠ 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.

### Turning on the front lamp (Fig. 3)

#### ⚠ CAUTION:

- Do not look in the light or see the source of the light directly.

Pull the switch trigger to turn on the light. The lamp keeps on lighting while the switch trigger is being pulled. The lamp turns off 10 -15 seconds after releasing the trigger.

#### NOTE:

- Use a dry cloth to wipe the dirt off the lens of lamp. Be careful not to scratch the lens of lamp, or it may lower the illumination.

### Reversing switch action (Fig. 4)

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.

### Speed change (Fig. 5)

To change the speed, first switch off the tool and then slide the speed change lever to the "2" side for high speed or "1" side for low speed. Be sure that the speed change lever is set to the correct position before operation. Use the right speed for your job.

#### ⚠ CAUTION:

- Always set the speed change lever fully to the correct position. If you operate the tool with the speed change lever positioned halfway between the "1" side and "2" side, the tool may be damaged.
- Do not use the speed change lever while the tool is running. The tool may be damaged.

### Adjusting the fastening torque (Fig. 6)

The fastening torque can be adjusted in 18 steps by turning the adjusting ring so that its graduations are aligned with the pointer on the tool body. The fastening torque is minimum when the number 1 is aligned with the pointer, and maximum when the  $\frac{1}{2}$  marking is aligned with the pointer.

The clutch will slip at various torque levels when set at the number 1 to 18. The clutch is designed not to slip at the  $\frac{1}{2}$  marking.

Before actual operation, drive a trial screw into your material or a piece of duplicate material to determine which torque level is required for a particular application.

## 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.

### Installing or removing driver bit or socket bit (Fig. 7)

Use only bits that has inserting portion shown in the figure.

A = 17 mm B = 14 mm	To install these types of bits, follow the procedure (1). (Note) Makita bits are these types.
A = 12 mm B = 9 mm	To install these types of bits, follow the procedure (2). (Note) Bit-piece is necessary for installing the bit.

006349

1. To install the bit, pull the sleeve in the direction of the arrow and insert the bit into the sleeve as far as it will go. Then release the sleeve to secure the bit. (Fig. 8)
2. To install the bit, pull the sleeve in the direction of the arrow and insert the bit-piece and bit into the sleeve as far as it will go. The bit-piece should be inserted into the sleeve with its pointed end facing in. Then release the sleeve to secure the bit. (Fig. 9)

To remove the bit, pull the sleeve in the direction of the arrow and pull the bit out firmly.

#### NOTE:

- If the bit is not inserted deep enough into the sleeve, the sleeve will not return to its original position and the bit will not be secured. In this case, try re-inserting the bit according to the instructions above.

## OPERATION

#### ⚠ CAUTION:

- Always insert the battery cartridge all the way until it locks in place. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.

Hold the tool firmly with one hand on the grip and the other hand on the bottom of the battery cartridge to control the twisting action.

### Screwdriving operation (Fig. 10)

#### ⚠ CAUTION:

- Adjust the adjusting ring to the proper torque level for your work.

Place the point of the driver bit in the screw head and apply pressure to the tool. Start the tool slowly and then increase the speed gradually. Release the switch trigger as soon as the clutch cuts in.

#### ⚠ CAUTION:

- Make sure that the driver bit is inserted straight in the screw head, or the screw and/or bit may be damaged.

**NOTE:**

- When driving wood screws, predrill pilot holes to make driving easier and to prevent splitting of the workpiece. See the chart.

Nominal diameter of wood screw (mm)	Recommended size of pilot hole (mm)
3.1	2.0 - 2.2
3.5	2.2 - 2.5
3.8	2.5 - 2.8
4.5	2.9 - 3.2
4.8	3.1 - 3.4
5.1	3.3 - 3.6
5.5	3.7 - 3.9
5.8	4.0 - 4.2
6.1	4.2 - 4.4

006421

**Drilling operation**

First, turn the adjusting ring so that the pointer points to the  marking. Then proceed as follows.

**Drilling in wood**

When drilling in wood, the best results are obtained with wood drills equipped with a guide screw. The guide screw makes drilling easier by pulling the bit into the workpiece.

**Drilling in metal**

To prevent the bit from slipping when starting a hole, make an indentation with a center-punch and hammer at the point to be drilled. Place the point of the bit in the indentation and start drilling.

Use a cutting lubricant when drilling metals. The exceptions are iron and brass which should be drilled dry.

**CAUTION:**

- 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 force exerted on the tool/bit at the time of hole break through. 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.
- If the tool is operated continuously until the battery cartridge has discharged, allow the tool to rest for 15 minutes before proceeding with a fresh battery.

**Using the tool as a hand screwdriver****(Fig. 11)**

Switch off the tool.

Move the lock button to the locked position A.

Turn the tool.

**NOTE:**

- This use is convenient for checking the screwdriving.
- Do not use the tool for work requiring excessive force, such as tightening bolt or removing rusted screws.

**Using holster****CAUTION:**

- Do not use for tools such as a drill with a bit installed on them.
- Turn off a tool and wait until it comes to a complete stop before placing in the holster. Be sure to close the holster securely so that it holds the tool firmly.

Thread a waist belt or similar through holster holder. (Fig. 12)

Put the tool in the holster and lock it with the holster button. (Fig. 13)

Two bits can be retained at the front of holster. (Fig. 14)

**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, 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.

- Drill bits
- Screw bits
- Socket bits
- Bit piece
- Various type of Makita genuine batteries and chargers
- Holster
- Plastic carrying case

**NOTE:**

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

**Penjelasan tampilan keseluruhan**

- |                  |                               |                       |
|------------------|-------------------------------|-----------------------|
| 1. Tombol        | 5. Tuas saklar pemberlak arah | 9. Penunjuk           |
| 2. Baterai       | 6. Tuas pengubah kecepatan    | 10. Mata mesin        |
| 3. Saklar pemicu | 7. Cincin penyetel            | 11. Selongsong        |
| 4. Lampu         | 8. Skala                      | 12. Ganjal mata mesin |

**SPESIFIKASI**

Model		
Kapasitas	Baja	10 mm
	Kayu	21 mm
	Sekrup kayu	5,1 mm x 63 mm
	Sekrup mesin	M6
Kecepatan tanpa beban ( $\text{min}^{-1}$ )	Tinggi (2)	0 - 1.300
	Rendah (1)	0 - 350
Kapasitas cekam	6,35 mm	
Panjang keseluruhan	157 mm	
Berat bersih	0,89 kg	
Tegangan terukur	D.C. 10,8 V	

- Karena kesinambungan program penelitian dan pengembangan kami, spesifikasi yang disebutkan di sini dapat berubah tanpa pemberitahuan.
- Spesifikasi dan baterai dapat berbeda dari satu negara ke negara lainnya.
- Berat, dengan baterai, menurut Prosedur EPTA 01/2003

**Simbol**

Berikut ini adalah simbol-simbol yang digunakan pada peralatan ini. Pastikan Anda mengerti makna masing-masing simbol sebelum menggunakan alat.



..... Baca petunjuk penggunaan.

END004-4

**Keselamatan tempat kerja**

1. **Jaga tempat kerja selalu bersih dan berpenerangan cukup.** Tempat kerja yang berantakan dan gelap mengundang kecelakaan.
2. **Jangan gunakan mesin listrik dalam lingkungan yang mudah meledak, misalnya jika ada cairan, gas, atau debu yang mudah menyala.** Mesin listrik menimbulkan bunga api yang dapat menyalaikan debu atau uap tersebut.
3. **Jauahkan anak-anak dan orang lain saat menggunakan mesin listrik.** Bila perhatian terpecah, anda dapat kehilangan kendali.

**Penggunaan**

Mesin ini digunakan untuk mengebor dan memasang sekrup pada kayu, logam dan plastik.

ENE034-1

**Keamanan kelistrikan**

4. **Steker mesin listrik harus cocok dengan stopkontak.** Jangan sekali-kali mengubah steker dengan cara apa pun. Jangan menggunakan steker adaptor dengan mesin listrik berade (dibumikan). Steker yang tidak diubah dan stopkontak yang cocok akan mengurangi risiko sengatan listrik.
5. **Hindari sentuhan tubuh dengan permukaan berarde atau yang dibumikan seperti pipa, radiator, kompor, dan kulkas.** Risiko sengatan listrik bertambah jika tubuh Anda terbumikan atau terarde.
6. **Jangan membiarkan mesin listrik kehujanan atau kebasahan.** Air yang masuk ke dalam mesin listrik akan meningkatkan risiko sengatan listrik.
7. **Jangan menyalahgunakan kabel.** Jangan sekali-kali menggunakan kabel untuk membawa, menarik, atau mencabut mesin listrik dari stopkontak. Jauhkan kabel dari panas, minyak, tepian tajam, atau bagian yang bergerak.

## GEA006-2 Peringatan Keselamatan Umum Mesin Listrik

**⚠ PERINGATAN!** Bacalah semua peringatan keselamatan dan semua petunjuk. Kelalaian mematuhi peringatan dan petunjuk dapat menyebabkan sengatan listrik, kebakaran dan/atau cedera serius.

## **Simpanlah semua peringatan dan petunjuk untuk acuan di masa depan.**

Istilah "mesin listrik" dalam semua peringatan mengacu pada mesin listrik yang dijalankan dengan sumber listrik jala-jala (berkabel) atau baterai (tanpa kabel).

- Kabel yang rusak atau kusut memperbesar risiko sengatan listrik.
8. **Bila menggunakan mesin listrik di luar ruangan, gunakan kabel ekstensi yang sesuai untuk penggunaan di luar ruangan.** Penggunaan kabel yang sesuai untuk penggunaan luar ruangan mengurangi risiko sengatan listrik.
  9. **Jika mengoperasikan mesin listrik di lokasi lembap tidak terhindarkan, gunakan pasokan daya yang dilindungi pemutus rangkaian salah arde (ground fault circuit interrupter - GFCI).** Penggunaan GFCI mengurangi risiko sengatan listrik.
- Keselamatan diri**
10. Jaga kewaspadaan, perhatikan pekerjaan Anda dan gunakan akal sehat bila menggunakan mesin listrik. Jangan menggunakan mesin listrik saat Anda lelah atau di bawah pengaruh obat bius, alkohol, atau obat. Sekejap saja lalai saat menggunakan mesin listrik dapat menyebabkan cedera diri yang serius.
  11. **Gunakan alat pelindung diri. Selalu gunakan pelindung mata.** Peralatan pelindung seperti masker debu, sepatu pengaman anti-selip, helm pengaman, atau pelindung telinga yang digunakan untuk kondisi yang sesuai akan mengurangi risiko cedera diri.
  12. **Cegah penyalara yang tidak disengaja. Pastikan bahwa sakelar berada dalam posisi mati (off) sebelum menghubungkan mesin ke sumber daya dan/atau baterai, mengangkat atau membawanya.** Membawa mesin listrik dengan jari Anda pada sakelarnya atau mengalirkan listrik pada mesin listrik yang sakelarnya hidup (on) akan mengundang kecelakaan.
  13. **Lepaskan kunci-kunci penyetel sebelum menghidupkan mesin listrik.** Kunci-kunci yang masih terpasang pada bagian mesin listrik yang berputar dapat menyebabkan cedera.
  14. **Jangan meraih terlalu jauh. Jagalah pijakan dan keseimbangan sepanjang waktu.** Hal ini memungkinkan kendali yang lebih baik atas mesin listrik dalam situasi yang tidak diharapkan.
  15. **Kenakan pakaian dengan baik. Jangan memakai pakaian yang kedodoran atau perhiaskan. Jaga jarak antara rambut, pakaian, dan sarung tangan Anda dengan bagian mesin yang bergerak.** Pakaian kedodoran, perhiaskan, atau rambut panjang dapat tersangkut pada bagian yang bergerak.
  16. **Jika tersedia fasilitas untuk menghisap dan mengumpulkan debu, pastikan fasilitas tersebut terhubung listrik dan digunakan dengan baik.** Penggunaan pembersih debu dapat mengurangi bahaya yang terkait dengan debu.
- Penggunaan dan pemeliharaan mesin listrik**
17. **Jangan memaksakan mesin listrik. Gunakan mesin listrik yang tepat untuk keperluan Anda.** Mesin listrik yang tepat akan menuntaskan pekerjaan dengan lebih baik dan aman pada kecepatan sesuai rancangannya.
  18. **Jangan gunakan mesin listrik jika sakelar tidak dapat menyalaikan dan mematikannya.** Mesin listrik yang tidak dapat dikendalikan dengan sakelarnya adalah berbahaya dan harus diperbaiki.
  19. **Cabut steker dari sumber listrik dan/atau baterai dari mesin listrik sebelum melakukan penyetelan, penggantian aksesorai, atau menyimpan mesin listrik.** Langkah keselamatan preventif tersebut mengurangi risiko hidupnya mesin secara tak sengaja.
  20. **Simpan mesin listrik jauh dari jangkauan anak-anak dan jangan biarkan orang yang tidak paham mengenai mesin listrik tersebut atau petunjuk ini menggunakan mesin listrik.** Mesin listrik sangat berbahaya di tangan pengguna yang tak terlatih.
  21. **Rawatlah mesin listrik.** Periksa apakah ada bagian bergerak yang tidak lurus atau macet, bagian yang pecah dan kondisi lain yang dapat mempengaruhi penggunaan mesin listrik. Jika rusak, perbaiki dahulu mesin listrik sebelum digunakan. Banyak kecelakaan disebabkan oleh kurangnya pemeliharaan mesin listrik.
  22. **Jaga agar mesin pemotong tetap tajam dan bersih.** Mesin pemotong yang terawat baik dengan mata pemotong yang tajam tidak mudah macet dan lebih mudah dikendalikan.
  23. **Gunakan mesin listrik, aksesorai, dan mata mesin, dll. sesuai dengan petunjuk ini, dengan memperhitungkan kondisi kerja dan jenis pekerjaan yang dilakukan.** Penggunaan mesin listrik untuk penggunaan yang lain dari peruntukan dapat menimbulkan situasi berbahaya.
- Penggunaan dan pemeliharaan mesin bertenaga baterai**
24. **Isi ulang baterai hanya dengan pengisi daya yang ditentukan oleh pabrikan.** Pengisi daya yang cocok untuk satu jenis baterai dapat menimbulkan risiko kebakaran ketika digunakan untuk paket baterai yang lain.
  25. **Gunakan mesin listrik hanya dengan baterai yang telah ditentukan secara khusus.** Penggunaan baterai lain dapat menimbulkan risiko cedera dan kebakaran.
  26. **Ketika baterai tidak digunakan, jauhkan dari benda logam lain, seperti penjepti kertas, uang logam, kunci, paku, sekrup atau benda logam kecil lainnya, yang dapat menghubungkan satu terminal ke terminal lain.** Hubungan singkat terminal baterai dapat menyebabkan luka bakar atau kebakaran.
  27. **Pemakaian yang salah, dapat menyebabkan keluarnya cairan dari baterai; hindari kontak.** Jika terjadi kontak secara tidak sengaja, bilas dengan air. Jika cairan mengenai mata, cari bantuan medis. Cairan yang keluar dari baterai bisa menyebabkan iritasi atau luka bakar.
- Servis**
28. **Berikan mesin listrik untuk diperbaiki hanya kepada oleh teknisi yang berkualifikasi dengan menggunakan hanya suku cadang pengganti yang serupa.** Hal ini akan menjamin terjaganya keamanan mesin listrik.
  29. **Patuhi petunjuk pelumasan dan penggantian aksesorai.**
  30. **Jagalah agar gagang kering, bersih, dan bebas dari minyak dan gemuk.**

## PERINGATAN KESELAMATAN BOR OBENG TANPA KABEL

1. Gunakan gagang tambahan, jika disertakan bersama mesin ini. Kehilangan kendali dapat menyebabkan cedera.
2. Pegang mesin listrik pada permukaan genggam yang terisolasi saat melakukan pekerjaan bila aksesori pemotong mungkin bersentuhan dengan kawat tersembunyi. Pengencang yang menyentuh kawat "hidup" dapat menyebabkan bagian logam pada mesin teraliri arus listrik dan menyengat pengguna.
3. Pegang mesin listrik pada permukaan genggam yang terisolasi saat melakukan pekerjaan bila pengencang mungkin bersentuhan dengan kawat tersembunyi. Pengencang yang menyentuh kawat "hidup" dapat menyebabkan bagian logam pada mesin teraliri arus listrik dan menyengat pengguna.
4. Selalu pastikan Anda berada di atas alas yang kuat.  
Pastikan tidak ada orang di bawahnya bila Anda menggunakan mesin di tempat yang tinggi.
5. Pegang mesin kuat-kuat.
6. Jauhkan tangan dari bagian yang berputar.
7. Jangan tinggalkan mesin dalam keadaan hidup. Jalankan mesin hanya ketika digenggam tangan.
8. Jangan menyentuh mata bor atau benda kerja segera setelah pengoperasian; suhunya mungkin masih sangat panas dan dapat membakar kulit Anda.
9. Bahan tertentu mengandung zat kimia yang mungkin beracun. Hindari menghirup debu dan persentuhan dengan kulit. Ikuti data keselamatan bahan dari pemasok.

## SIMPAN PETUNJUK INI.

### **⚠ PERINGATAN:**

JANGAN biarkan kenyamanan atau terbiasanya Anda dengan produk (karena penggunaan berulang) mengantikkan kepuasan yang ketat terhadap aturan keselamatan untuk produk yang terkait.

PENYALAHGUNAAN atau kelalaian mematuhi kaidah keselamatan yang tertera dalam petunjuk ini dapat menyebabkan cedera badan serius.

## PETUNJUK KESELAMATAN PENTING

### UNTUK BATERAI

1. Sebelum menggunakan baterai, bacalah semua petunjuk dan penandaan pada (1) pengisi daya baterai, (2) baterai, dan (3) produk yang menggunakan baterai.
2. Jangan membongkar baterai.
3. Jika waktu beroperasinya menjadi sangat singkat, segera hentikan penggunaan. Hal tersebut dapat menimbulkan risiko panas berlebih, kemungkinan mengalami luka bakar atau bahkan terjadi ledakan.

4. Jika elektrolit mengenai mata Anda, basuh dengan air bersih dan segera cari pertolongan medis. Hal tersebut dapat mengakibatkan hilangnya kemampuan penglihatan Anda.
5. Jangan menghubungkan terminal baterai:
  - (1) Jangan menyentuhkan terminal dengan bahan penghantar listrik apapun.
  - (2) Hindari menyimpan baterai pada wadah yang berisi benda logam lain seperti paku, uang logam, dsb.
  - (3) Jangan membiarkan baterai terkena air atau kehujanan.

Hubungan singkat baterai dapat menyebabkan aliran arus listrik yang besar, panas berlebih, kemungkinan mengalami luka bakar dan bahkan kerusakan pada baterai.
6. Jangan menyimpan mesin dan baterai pada lokasi dengan suhu yang bisa mencapai atau melebihi 50°C.
7. Jangan membuang baterai di tempat pembakaran sampah walaupun benar-benar rusak atau tidak bisa digunakan sama sekali. Baterai bisa meledak jika terbakar.
8. Hati-hati jangan sampai baterai jatuh atau terbentur.
9. Jangan menggunakan baterai yang rusak.

## SIMPAN PETUNJUK INI.

### Tip untuk menjaga agar umur pemakaian baterai maksimum

1. Ganti baterai sebelum habis sama sekali. Selalu hentikan penggunaan mesin dan ganti baterai jika Anda melihat bahwa mesin kurang tenaga.
2. Jangan pernah mengisi ulang baterai yang sudah diisi penuh. Pengisian ulang yang berlebih memperpendek umur pemakaian baterai.
3. Isi ulang baterai pada suhu ruangan 10°C - 40°C. Biarkan baterai yang panas menjadi dingin terlebih dahulu sebelum diisi ulang.

## DESKRIPSI FUNGSI

### **⚠ PERHATIAN:**

- Selalu pastikan bahwa mesin dimatikan dan baterai dilepas sebelum menyetel atau memeriksa kerja mesin.

### Memasang atau lepas baterai (Gb. 1)

### **⚠ PERHATIAN:**

- Selalu matikan mesin sebelum memasang atau melepas kartrid baterai.
- Pegang mesin dan kartrid baterai kuat-kuat saat memasang atau melepas kartrid baterai. Kelalaian untuk memegang mesin dan kartrid baterai kuat-kuat bisa menyebabkan keduanya tergelincir dari tangan Anda dan mengakibatkan kerusakan pada mesin dan kartid baterai dan cedera diri.

Untuk melepas kartrid baterai, tarik dari mesin sambil menekan tombol pada kedua sisi katrid.  
Untuk memasang kartrid baterai, tahan sampai bagian depan kartrid baterai sesuai dengan bukaan pemasangan baterai lalu masukkan ke dalam tempatnya. Masukkan seluruhnya sampai terkunci pada tempatnya dan terdengar bunyi klik kecil.

#### ⚠ PERHATIAN:

- Selalu masukkan kartrid baterai seluruhnya sampai terkunci pada tempatnya dan terdengar bunyi klik kecil. Jika tidak, bisa terlepas dari mesin secara tidak sengaja, menyebabkan luka pada Anda atau orang di sekitar Anda.
- Jangan memasang kartrid baterai secara paksa. Jika kartrid tidak bergeres dengan mudah, berarti tidak dimasukkan dengan benar.

### Sistem perlindungan baterai

Mesin ini dilengkapi dengan sistem perlindungan baterai. Sistem ini memutus daya ke motor secara otomatis untuk memperpanjang umur pemakaian baterai. Mesin akan berhenti saat penggunaan saat mesin dan/ atau baterai berada dalam salah satu kondisi berikut ini:

- Kelebihan beban:
  - Mesin dijalankan dengan cara yang menyebabkannya menarik arus tinggi yang tidak normal.Untuk situasi ini, lepas picu saklar pada mesin dan hentikan penggunaan yang menyebabkan mesin mengalami kelebihan beban. Kemudian tarik lagi picu saklarnya untuk mengoperasikannya kembali.
- Tegangan baterai rendah:
  - Kapasitas baterai yang tersisa terlalu rendah dan mesin tidak akan beroperasi. Jika Anda menarik picu saklar, motor menyala lagi tetapi segera berhenti. Untuk situasi ini, lepas dan isi ulang baterai.

### Kerja saklar (Gb. 2)

#### ⚠ PERHATIAN:

- Sebelum memasukkan baterai pada mesin, pastikan picu saklar berfungsi dengan baik dan kembali ke posisi "OFF" saat dilepas.

Untuk menjalankan mesin, cukup tarik picu saklarnya. Kecepatan mesin akan meningkat dengan menambah tekanan pada picu saklar. Lepaskan picu saklar untuk berhenti.

### Menyalakan lampu depan (Gb. 3)

#### ⚠ PERHATIAN:

- Jangan melihat lampu atau sumber cahaya secara langsung.
- Tarik picu saklar untuk menyalakan lampu. Lampu tetap menyala selama picu saklar ditarik. Lampu akan padam sekitar 10 - 15 detik setelah melepas picu.

#### CATATAN:

- Gunakan kain kering untuk mengelap kotoran dari lensa lampu. Hati-hati jangan sampai menggores lensa lampu, atau hal tersebut dapat menurunkan tingkat penerangannya.

### Kerja saklar pembalik arah (Gb. 4)

Mesin ini memiliki saklar pembalik arah untuk mengubah arah putaran. Tekan tuas saklar pembalik arah dari sisi A untuk putaran searah jarum jam atau dari sisi B untuk putaran berlawanan arah jarum jam.

Ketika tuas saklar pembalik arah pada posisi netral, picu saklar tidak bisa ditarik.

#### ⚠ PERHATIAN:

- Selalu periksa arah putaran sebelum penggunaan.
- Gunakan saklar pembalik arah hanya setelah mesin berhenti penuh. Mengubah arah putaran sebelum mesin berhenti dapat merusak mesin.
- Saat mesin tidak digunakan, selalu posisikan tuas saklar pembalik arah pada posisi netral.

### Perubahan kecepatan (Gb. 5)

Untuk mengubah kecepatan, pertama-tama matikan mesin dan kemudian geser tuas pengubah kecepatan ke sisi "2" untuk kecepatan tinggi atau "1" untuk kecepatan rendah. Pastikan bahwa tuas pengubah kecepatan diposisikan pada posisi yang tepat sebelum penggunaan. Gunakan kecepatan yang tepat untuk pekerjaan Anda.

#### ⚠ PERHATIAN:

- Selalu posisikan tuas pengubah kecepatan sepenuhnya pada posisi yang tepat. Jika anda menggunakan mesin dengan tuas pengubah kecepatan berada di posisi tengah antara sisi "1" dan sisi "2", mesin bisa rusak.
- Jangan menggunakan tuas pengubah kecepatan ketika mesin sedang bekerja. Mesin bisa rusak.

### Menyetel torsi pengencangan (Gb. 6)

Torsi pengencangan bisa disetel dalam 18 tahap dengan memutar cincin penyetel sehingga skalanya disejajarkan dengan penunjuk pada badan mesin. Torsi pengencangannya minimum ketika angka 1 disejajarkan dengan penunjuk, dan maksimum ketika tanda ☰ disejajarkan dengan penunjuk.

Kopeling akan bergeres pada tingkat torsi yang berbeda-beda ketika disetel pada angka 1 sampai 18. Kopeling dirancang untuk tidak bergeres pada tanda ☰.

Sebelum penggunaan yang sebenarnya, pasang sekrup percobaan pada bahan atau potongan bahan lain untuk menentukan tingkat torsi yang dibutuhkan untuk keperluan tertentu.

### PERAKITAN

#### ⚠ PERHATIAN:

- Selalu pastikan bahwa mesin dimatikan dan baterai dilepas sebelum melakukan pekerjaan apapun pada mesin.

### Memasang atau melepas mata obeng atau mata soket (Gb. 7)

Gunakan hanya mata mesin yang memiliki ujung pencekaman seperti ditunjukkan pada gambar.

A = 17 mm B = 14 mm	Untuk memasang mata mesin dengan jenis ini, ikuti prosedur (1). (Catatan) Mata mesin Makita merupakan jenis ini.
A = 12 mm B = 9 mm	Untuk memasang mata mesin dengan jenis ini, ikuti prosedur (2). (Catatan) Diperlukan ganjal mata mesin untuk memasang mata mesin tersebut.

006349

- Untuk memasang mata mesin, tarik selongsong sesuai arah panah dan masukkan mata mesin ke dalam selongsong sejauh mungkin. Kemudian lepaskan selongsong untuk mengencangkan mata mesin. (**Gb. 8**)
- Untuk memasang mata mesin, tarik selongsong sesuai arah panah dan masukkan ganjal mata mesin dan mata mesin ke dalam selongsong sejauh mungkin. Ganjal mata mesin harus dimasukkan ke dalam selongsong dengan ujung lancipnya menghadap ke dalam. Kemudian lepas selongsong untuk mengencangkan mata mesin. (**Gb. 9**)

Untuk melepas mata mesin, tarik selongsong sesuai arah panah dan cabut mata mesin kuat-kuat.

#### CATATAN:

- Jika mata mesin tidak dimasukkan penuh ke dalam selongsong, selongsong tidak akan kembali pada posisi semula dan mata mesin tidak terpasang. Untuk kasus ini, coba masukkan kembali mata mesin sesuai dengan petunjuk di atas.

## PENGGUNAAN

### ⚠ PERHATIAN:

- Selalu masukkan baterai seluruhnya sampai terkunci pada tempatnya dan terdengar bunyi klik kecil. Jika tidak, bisa terlepas dari mesin secara tidak sengaja, menyebabkan luka pada Anda atau orang di sekitar Anda.

Pegang mesin kuat-kuat dengan dengan satu tangan sementara tangan yang lain pada bagian bawah baterai untuk mengontrol gerak memutar.

### Pekerjaan pemasangan sekrup (Gb. 10)

### ⚠ PERHATIAN:

- Setel cincin penyetel pada tingkat torsi yang tepat untuk pekerjaan Anda.
- Posisikan ujung mata obeng pada kepala sekrup dan beri tekanan pada mesin. Jalankan mesin dengan perlahan dan kemudian tingkatkan kecepatan secara bertahap. Lepas pico saklar segera setelah kopeling memotong.

### ⚠ PERHATIAN:

- Pastikan bahwa mata obeng dimasukkan lurus terhadap kepala sekrup, atau sekrup dan/atau mata mesin bisa rusak.

#### CATATAN:

- Ketika memasang sekrup kayu, lakukan pengeboran awal untuk membuat lubang pengarah agar mempermudah pemasangan sekrup dan untuk mencegah pecahnya benda kerja. Lihat tabel.

Diameter nominal sekrup kayu (mm)	Ukuran lubang pengarah yang dianjurkan (mm)
3,1	2,0 - 2,2
3,5	2,2 - 2,5
3,8	2,5 - 2,8
4,5	2,9 - 3,2
4,8	3,1 - 3,4
5,1	3,3 - 3,6
5,5	3,7 - 3,9
5,8	4,0 - 4,2
6,1	4,2 - 4,4

006421

### Pekerjaan pengeboran

Pertama-tama, putar cincin penyetel sehingga penunjuk mengarah pada tanda . Kemudian lakukan sebagaimana berikut.

#### Mengebor kayu

Bila mengebor kayu, hasil terbaik didapat dengan mata bor kayu yang dilengkapi sekrup pemandu. Sekrup pemandu mempermudah pengeboran dengan menarik mata bor ke dalam benda kerja.

#### Mengebor logam

Untuk mencegah mata bor selip ketika mulai membuat lubang, buatlah takik dengan penitik lalu palu pada titik yang akan dilubangi. Letakkan ujung mata bor pada takik dan mulailah membor.

Gunakan cairan pendingin saat mengebor logam.

Pengecualian untuk besi dan kuningan yang harus dibor kering.

#### ⚠ PERHATIAN:

- Menekan mesin secara berlebihan tidak akan mempercepat pengeboran. Bahkan, tekanan yang berlebihan hanya akan merusak mata bor Anda, mengurangi kinerja mesin dan memperpendek usia mesin.
- Akan timbul gaya yang sangat kuat pada mesin/mata bor saat menembus lubang. Pegang mesin dengan kuat dan berhati-hatilah saat mata bor menembus benda kerja.
- Mata bor yang macet dapat dicabut dengan menyetel saklar pembalik arah agar mesin berputar berlawanan arah untuk mundur. Tetapi, mesin bisa saja mundur mendadak jika Anda tidak memegangnya dengan kuat.
- Tahan benda kerja berukuran kecil dengan penjepit atau alat penahan lain.
- Jika mesin terus-menerus digunakan sampai baterai habis, istirahatkan mesin selama 15 menit sebelum melakukannya lagi dengan baterai yang penuh.

## Menggunakan mesin sebagai obeng tangan (Gb. 11)

Matikan mesin.

Pindahkan tombol kunci ke posisi terkunci A.

Nyalakan mesin.

### CATATAN:

- Hal ini berguna untuk memeriksa pemasangan sekrup.
- Jangan gunakan mesin untuk pekerjaan yang memerlukan gaya yang besar, seperti mengencangkan baut atau melepas sekrup berkarat.

## Menggunakan sarung

### ⚠ PERHATIAN:

- Jangan digunakan pada mesin seperti mesin bor dengan kondisi mata mesin masih terpasang di dalamnya.
- Matikan mesin dan tunggu sampai berhenti penuh sebelum memasukkannya ke dalam sarung.  
Pastikan untuk menutup sarung sehingga bisa menahan mesin dengan kuat.

Pasang pada ikat pinggang atau sejenisnya lewat pemegang sarung. (Gb. 12)

Masukkan mesin ke dalam sarung dan kunci dengan kancing sarung. (Gb. 13)

Dua mata mesin bisa disimpan di bagian depan sarung. (Gb. 14)

## PERAWATAN

### ⚠ PERHATIAN:

- Selalu pastikan bahwa mesin dimatikan dan baterai dilepas sebelum melakukan pemeriksaan atau perawatan.
- Jangan sekali-kali menggunakan bensin, tiner, alkohol, atau bahan sejenisnya. Penggunaan bahan demikian dapat menyebabkan perubahan warna, perubahan bentuk atau timbulnya retakan.

Untuk menjaga KEAMANAN dan KEANDALAN mesin, perbaikan, perawatan atau penyetelan lain harus dilakukan oleh Pusat Layanan Resmi Makita; selalu gunakan suku cadang pengganti buatan Makita.

## PILIHAN AKSESORI

### ⚠ PERHATIAN:

- Dianjurkan untuk menggunakan aksesorai atau perangkat tambahan ini dengan mesin Makita Anda yang ditentukan dalam petunjuk ini. Penggunaan aksesorai atau perangkat tambahan lain bisa menyebabkan risiko cedera pada manusia.  
Hanya gunakan aksesorai atau perangkat tambahan sesuai dengan peruntukkannya.

Jika Anda memerlukan bantuan lebih rinci berkenaan dengan aksesorai ini, tanyakan pada Pusat Layanan Makita terdekat.

- Mata bor
- Mata sekrup
- Mata soket
- Ganjal mata mesin
- Macam-macam jenis baterai dan pengisi daya asli buatan Makita
- Sarung

- Tas jinjing plastik

### CATATAN:

- Beberapa item dalam daftar tersebut mungkin sudah termasuk dalam paket mesin sebagai aksesoris standar. Hal tersebut dapat berbeda dari satu negara ke negara lainnya.

Giải thích về hình vẽ tổng thể

- |                           |                           |                       |
|---------------------------|---------------------------|-----------------------|
| 1. Nút                    | 5. Cần công tắc đảo chiều | 9. Vạch chuẩn         |
| 2. Hộp pin                | 6. Cần thay đổi tốc độ    | 10. Mũi vít           |
| 3. Cần khởi động công tắc | 7. Vòng điều chỉnh        | 11. Trụ ngoài         |
| 4. Đèn                    | 8. Vòng chia độ           | 12. Miếng đệm đầu mũi |

**THÔNG SỐ KỸ THUẬT**

Kiểu	DF030D
Công suất	Thép
	Gỗ
	Vít bắt gỗ
	Vít máy
Tốc độ không tải (phút <sup>-1</sup> )	Cao (2)
	Thấp (1)
Công suất ngầm kẹp	6,35 mm
Chiều dài tổng thể	157 mm
Trọng lượng tịnh	0,89 kg
Hiệu điện thế định mức	D.C. 10,8 V

- Do chương trình nghiên cứu và phát triển liên tục của chúng tôi nên các thông số kỹ thuật trong đây có thể thay đổi mà không cần thông báo trước.
- Các thông số kỹ thuật và hộp pin có thể thay đổi tùy theo từng quốc gia.
- Trọng lượng có hộp pin tùy theo Quy trình EPTA tháng 01/2003

**Ký hiệu**

Phản dối đây cho biết các ký hiệu được dùng cho thiết bị. Đảm bảo rằng bạn hiểu rõ ý nghĩa của các ký hiệu này trước khi sử dụng.



..... Đọc tài liệu hướng dẫn.

END004-4

- Không vân hành dụng cụ máy trong môi trường cháy nổ**, ví dụ như môi trường có sự hiện diện của các chất lỏng, khí hoặc bụi dễ cháy. Các dụng cụ máy tạo tia lửa điện có thể làm bụi hoặc khí bốc cháy.
- Giữ trẻ em và người ngoài tránh xa nơi làm việc khi đang vận hành dụng cụ máy**. Sự xao lảng có thể khiến bạn mất khả năng kiểm soát.

**An toàn về điện**

- Phích cắm của dụng cụ máy phải khớp với ổ cắm**. Không bao giờ được sửa đổi phích cắm theo bất kỳ cách nào. Không sử dụng bất kỳ phích chuyển đổi nào với các dụng cụ máy được nối đất (tiếp đất). Các phích cắm còn nguyên vẹn và ổ cắm phù hợp sẽ giảm nguy cơ điện giật.
- Tránh để cơ thể tiếp xúc với các bề mặt nối đất** hoặc tiếp đất như đường ống, bộ tản nhiệt, bếp ga và tủ lạnh. Nguy cơ bị điện giật sẽ tăng lên nếu cơ thể bạn được nối đất hoặc tiếp đất.
- Không để dụng cụ máy tiếp xúc với mưa hoặc trong điều kiện ẩm ướt**. Nước lọt vào dụng cụ máy sẽ làm tăng nguy cơ điện giật.
- Không lạm dụng dây**. Không bao giờ sử dụng dây để mang, kéo hoặc tháo phích cắm dụng cụ máy. Giữ dây tránh xa nguồn nhiệt, dầu, các mép sắc hoặc các bộ phận chuyển động. Dây bị hỏng hoặc bị rò sẽ làm tăng nguy cơ điện giật.
- Khi vận hành dụng cụ máy ngoài trời, hãy sử dụng dây kéo dài phù hợp cho việc sử dụng ngoài trời**. Việc dùng dây phù hợp cho việc sử dụng ngoài trời sẽ giảm nguy cơ điện giật.

**Cảnh báo An toàn Chung dành cho Dụng cụ Máy**

**⚠️ CẢNH BÁO! Đọc tất cả các cảnh báo an toàn và hướng dẫn.** Việc không tuân theo các cảnh báo và hướng dẫn có thể dẫn đến điện giật, hoa hoạn và/hoặc thương tích nghiêm trọng.

**Lưu giữ tất cả cảnh báo và hướng dẫn để tham khảo sau này.**

Thuật ngữ “dụng cụ máy” trong các cảnh báo đề cập đến dụng cụ máy (có dây) được vận hành bằng nguồn điện chính hoặc dụng cụ máy (không dây) được vận hành bằng pin của bạn.

**An toàn tại nơi làm việc**

- Giữ nơi làm việc sạch sẽ và có đủ ánh sáng.** Nơi làm việc bừa bộn hoặc tối thường dễ gây ra tai nạn.

- Nếu bắt buộc phải vận hành dụng cụ máy ở nơi ẩm ướt, hãy sử dụng nguồn điện có bộ ngắt mạch nút đắt khi rò điện (GFCI). Việc sử dụng GFCI sẽ giảm nguy cơ điện giật.
- An toàn cá nhân**
- Luôn tinh táo, quan sát những việc bạn đang làm và sử dụng những phán đoán theo kinh nghiệm khi vận hành dụng cụ máy. Không sử dụng dụng cụ máy khi bạn đang mệt mỏi hoặc chịu ảnh hưởng của ma túy, rượu hay thuốc. Chỉ một khoảnh khắc không tập trung khi đang vận hành dụng cụ máy cũng có thể dẫn đến thương tích cá nhân nghiêm trọng.
- Sử dụng thiết bị bảo hộ cá nhân. Luôn đeo thiết bị bảo vệ mắt. Các thiết bị bảo hộ như mặt nạ chống bụi, giày an toàn chống trượt, mũ bảo hộ hay thiết bị bảo vệ thính giác được sử dụng trong các điều kiện thích hợp sẽ giúp giảm thương tích cá nhân.
- Tránh vô tình khởi động dụng cụ máy. Đảm bảo công tắc ở vị trí off (tắt) trước khi nối nguồn điện và/hoặc bộ pin, cầm hoặc mang dụng cụ máy. Việc mang dụng cụ máy khi đang đặt ngón tay ở vị trí công tắc hoặc cấp điện cho dụng cụ máy đang bật thường dễ gây ra tai nạn.
- Tháo mọi khóa hoặc chìa vặn điều chỉnh trước khi bắt dụng dụng cụ máy. Việc chìa vặn hoặc khóa vẫn còn gắn vào bộ phận quay của dụng cụ máy có thể dẫn đến thương tích cá nhân.
- Không với quá cao. Luôn giữ thẳng bằng tốt và có chỗ để chân phù hợp. Điều này cho phép điều khiển dụng cụ máy tốt hơn trong những tình huống bất ngờ.
- Ăn mặc phù hợp. Không mặc quần áo rộng hay đeo đồ trang sức. Giữ tóc, quần áo và găng tay tránh xa các bộ phận chuyển động. Quần áo rộng, đồ trang sức hay tóc dài có thể mắc vào các bộ phận chuyển động.
- Nếu các thiết bị được cung cấp để kết nối các thiết bị thu gom và hút bụi, hãy đảm bảo chúng được kết nối và sử dụng hợp lý. Việc sử dụng thiết bị thu gom bụi có thể làm giảm những mối nguy hiểm liên quan đến bụi.
- Sử dụng và bảo quản dụng cụ máy**
- Không dùng lực đối với dụng cụ máy. Sử dụng đúng dụng cụ máy cho công việc của bạn. Sử dụng đúng dụng cụ máy sẽ giúp thực hiện công việc tốt hơn và an toàn hơn theo giá trị định mức được thiết kế của dụng cụ máy đó.
- Không sử dụng dụng cụ máy nếu công tắc không bật và tắt được dụng cụ máy đó. Mọi dụng cụ máy không thể điều khiển được bằng công tắc đều rất nguy hiểm và cần được sửa chữa.
- Rút phích cắm ra khỏi nguồn điện và/hoặc ngắt kết nối bộ pin khỏi dụng cụ máy trước khi thực hiện bất kỳ công việc điều chỉnh, thay đổi phụ tùng hay cất giữ dụng cụ máy nào. Những biện pháp an toàn phòng ngừa này sẽ giảm nguy cơ vỡ tinh khiết dụng cụ máy.
- Cất giữ các dụng cụ máy không sử dụng ngoài tầm với của trẻ em và không cho bất kỳ người nào không có hiểu biết về dụng cụ máy hoặc các hướng dẫn này vận hành dụng cụ máy. Dụng cụ máy sẽ rất nguy hiểm nếu được sử dụng bởi những người dùng chưa qua đào tạo.

- Bảo quản dụng cụ máy. Kiểm tra tình trạng lềch trục hoặc bô kẹp của các bộ phận chuyển động, hiện tượng nứt vỡ của các bộ phận và mọi tình trạng khác mà có thể ảnh hưởng đến hoạt động của dụng cụ máy. Nếu có hỏng hóc, hãy sửa chữa dụng cụ máy trước khi sử dụng. Nhiều tai nạn xảy ra là do không bảo quản tốt dụng cụ máy.
- Luôn giữ cho dụng cụ cắt được sắc bén và sạch sẽ. Hướng dụng cụ cắt được bảo quản tốt có mép cắt sắc sẽ ít bị kẽm hơn và dễ điều khiển hơn.
- Sử dụng dụng cụ máy, phụ tùng và đầu dụng cụ cắt, v.v... theo các hướng dẫn này, có tính đến điều kiện làm việc và công việc được thực hiện. Việc sử dụng dụng cụ máy cho các công việc khác với công việc dự định có thể gây nguy hiểm.
- Sử dụng và bảo quản dụng cụ dùng pin**
- Chỉ sạc pin lại với bộ sạc do nhà sản xuất quy định. Bộ sạc phù hợp với một loại bộ pin này có thể gây ra nguy cơ hỏa hoạn khi được dùng cho một bộ pin khác.
- Chỉ sử dụng các dụng cụ máy với các bộ pin được quy định cụ thể. Việc sử dụng bất cứ bộ pin nào khác có thể gây ra thương tích và hỏa hoạn.
- Khi không sử dụng bộ pin, hãy giữ tránh xa các đồ vật khác bằng kim loại, chẳng hạn như kẹp giấy, tiền xu, chìa khóa, đinh, ốc vít hoặc các vật nhọn bằng kim loại mà có thể làm nứt tắt các đầu cắm pin. Các đầu cắm pin bị đứt mạch có thể gây cháy hoặc hỏa hoạn.
- Trong điều kiện sử dụng quá mức, pin có thể bị chảy nước; hãy tránh tiếp xúc. Nếu vô tình tiếp xúc với pin bị chảy nước, hãy rửa sạch bằng nước. Nếu dung dịch từ pin tiếp xúc với mắt, cần đi khám bác sĩ thêm. Dung dịch chảy ra từ pin có thể gây rát da hoặc bỏng.

#### Bảo dưỡng

- Để nhân viên sửa chữa đủ trình độ bảo dưỡng dụng cụ máy của bạn và chỉ sử dụng các bộ phận thay thế đồng nhất. Việc này sẽ đảm bảo duy trì được độ an toàn của dụng cụ máy.
- Tuân theo hướng dẫn dành cho việc bôi trơn và thay phụ tùng.
- Giữ tay cầm khô, sạch, không dính dầu và mỡ.

## GEB088-1 CẢNH BÁO AN TOÀN ĐỐI VỚI MÁY KHOAN BẮT VÍT DÙNG PIN

- Sử dụng các tay cầm phụ nếu được cung cấp kèm theo dụng cụ. Không điều khiển được dụng cụ sẽ gây ra thương tích cho con người.
- Cầm dụng cụ máy bằng bề mặt kẹp cách điện khi thực hiện một thao tác trong đó bộ phận kẹp có thể tiếp xúc với dây dẫn kín. Bộ phận kẹp tiếp xúc với dây dẫn "có điện" có thể khiến các bộ phận kim loại bị hở của dụng cụ máy "có điện" và làm cho người vận hành bị điện giật.
- Cầm dụng cụ máy bằng bề mặt kẹp cách điện khi thực hiện một thao tác trong đó bộ phận kẹp có thể tiếp xúc với dây dẫn điện kín bên dưới. Bộ phận kẹp tiếp xúc với dây dẫn "có điện" có thể khiến các bộ phận kim loại bị hở của dụng cụ máy "có điện" và làm cho người vận hành bị điện giật.

- Luôn chắc chắn rằng bạn có chỗ tựa chân vững chắc.
- Đảm bảo rằng không có ai ở dưới khi dùng dụng cụ ở những vị trí trên cao.
- Cầm chắc dụng cụ.
- Giữ tay tránh xa các bộ phận quay.
- Không để mặc dụng cụ hoạt động. Chỉ vận hành dụng cụ khi cầm trên tay.
- Không chạm vào đầu mũi khoan hay vật gia công ngay sau khi vận hành; chúng có thể rất nóng và có thể gây bỏng da.
- Một số vật liệu có chứa các hóa chất có thể rất độc hại. Phải cẩn trọng tránh hít phải bụi và để tiếp xúc với da. Tuân theo các thông tin về an toàn của nhà cung cấp đối với mỗi loại vật liệu.

## LƯU GIỮ CÁC HƯỚNG DẪN NÀY.

### **⚠ CẢNH BÁO:**

**KHÔNG** được để sự thoải mái hay quen thuộc với sản phẩm (có được do sử dụng nhiều lần) thay thế việc tuân thủ nghiêm ngặt các quy định về an toàn dành cho sản phẩm này. **VIỆC DÙNG SAI** hoặc không tuân theo các quy định về an toàn được nêu trong tài liệu hướng dẫn này có thể dẫn đến thương tích cá nhân nghiêm trọng.

## ENC009-1 CÁC HƯỚNG DẪN AN TOÀN QUAN TRỌNG

### ĐỐI VỚI HỘP PIN

- Trước khi sử dụng hộp pin, hãy đọc kỹ tất cả các hướng dẫn và dấu hiệu cảnh báo trên (1) bộ sạc pin, (2) pin và (3) sản phẩm sử dụng pin.
- Không tháo rời hộp pin.
- Nếu thời gian vận hành ngắn hơn nhiều, dừng việc vận hành ngay lập tức. Điều này có thể gây nguy cơ quá nhiệt, gây cháy hoặc thậm chí gây nổ.
- Nếu chất điện phân dính vào mắt bạn, hãy rửa sạch bằng nước sạch và đi khám bác sĩ ngay lập tức. Việc này có thể làm giảm thi lực của mắt bạn.
- Không được đoàn mạch hộp pin:
  - (1) Không được chạm vào các đầu cực bằng vật liệu dẫn điện.
  - (2) Tránh cất giữ hộp pin trong chỗ chứa có các vật kim loại khác như đinh, tiền xu, v.v...
  - (3) Không được để hộp pin tiếp xúc với nước hoặc mưa.

Pin bị đoàn mạch có thể gây ra dòng điện lớn, gây quá nhiệt, cháy và thậm chí gây phóng điện.

- Không được cất giữ dụng cụ và hộp pin ở những nơi nhiệt độ có thể vượt quá 50°C.
- Không được thiêu hủy hộp pin ngay cả khi nó đã bị hư hỏng nghiêm trọng hoặc hoàn toàn không sử dụng được. Hộp pin có thể nổ khi bị đốt cháy.
- Cần thận không được làm rơi hoặc va đập mạnh vào pin.
- Không sử dụng pin đã hư hỏng.

## LƯU GIỮ CÁC HƯỚNG DẪN NÀY.

### **LỜI KHUYÊN ĐỂ DUY TRÌ TỐI ĐA TUỔI THỌ PIN**

- Sạc hộp pin trước khi pin được xả điện hoàn toàn. Luôn dừng việc vận hành dụng cụ và sạc pin khi bạn nhận thấy công suất dụng cụ bị giảm.
- Không bao giờ sạc lại một hộp pin đã được sạc đầy. Việc sạc điện thêm nữa sẽ làm giảm tuổi thọ pin.
- Sạc pin ở nhiệt độ phòng từ 10°C - 40°C. Để pin đang nóng nguội lại dần trước khi sạc pin.

## MÔ TẢ CHỨC NĂNG

### **⚠ CẨN TRỌNG:**

- Luôn đảm bảo rằng đã tắt dụng cụ và tháo hộp pin ra trước khi thực hiện việc điều chỉnh hoặc kiểm tra chức năng trên dụng cụ.

### Lắp hoặc tháo gỡ hộp pin (Hình 1)

### **⚠ CẨN TRỌNG:**

- Luôn tắt dụng cụ trước khi lắp hoặc tháo hộp pin.
- Giữ dụng cụ và hộp pin thật chắc khi lắp đặt hoặc tháo gỡ hộp pin.** Không nắm chắc dụng cụ và hộp pin có thể làm trượt chúng khỏi tay và gây ra hư hỏng dụng cụ và hộp pin và gây thương tích cá nhân.

Để tháo hộp pin, hãy rút nó ra khỏi dụng cụ trong lúc bấm các nút ở cả hai bên hộp pin.

Để lắp hộp pin, hãy giữ nó sao cho phần trước hộp pin vừa khít với phần khoảng hở lắp đặt pin và trượt nó vào đúng vị trí. Trượt hết mức đến khi nắp chốt khóa đúng vị trí với một tiếng click nhẹ.

### **⚠ CẨN TRỌNG:**

- Luôn luôn lắp hộp pin vào hết mức cho đến khi nó khóa đúng vào vị trí. Nếu không, chốt có thể vô tình rơi ra khỏi dụng cụ, gây thương tích cho bạn hoặc người khác xung quanh.
- Không được dùng sức lắp hộp pin. Nếu hộp pin không nhẹ nhàng trượt vào vị trí, có nghĩa là pin vẫn chưa được lắp đúng.

## HỆ THỐNG BẢO VỆ PIN

Dụng cụ này được trang bị hệ thống bảo vệ pin.

Hệ thống này sẽ tự động ngắt nguồn điện đến động cơ để kéo dài tuổi thọ pin.

Dụng cụ sẽ tự động dừng vận hành khi dụng cụ và/hoặc pin ở một trong những tình huống sau đây.

- Quá tải:  
Dụng cụ được vận hành theo cách gây ra dòng điện cao bất thường.  
Trong trường hợp này, hãy nhả cần khởi động công tắc trên dụng cụ và ngừng việc sử dụng đã làm cho dụng cụ trở nên quá tải. Sau đó kéo cần khởi động công tắc một lần nữa để khởi động lại dụng cụ.
- Điện thế pin thấp:  
Dung lượng pin còn lại quá thấp và dụng cụ sẽ không hoạt động. Nếu bạn kéo cần khởi động công tắc, motor sẽ tiếp tục chạy nhưng sẽ sớm ngừng lại. Trong tình huống này, hãy tháo và sạc pin lại.

## Hoạt động công tắc (Hình 2)

### ⚠ CẨN TRỌNG:

- Trước khi lắp hộp pin vào dụng cụ, luôn luôn kiểm tra xem cần khởi động công tắc có hoạt động bình thường hay không và trả về vị trí "OFF" (TẮT) khi nhả ra.

Để khởi động dụng cụ, chỉ cần kéo cần khởi động công tắc. Tốc độ động dụng cụ được giảm xuống bằng cách tăng lực ép lên cần khởi động công tắc. Nhả cần khởi động công tắc ra để dừng.

## Bật đèn trước (Hình 3)

### ⚠ CẨN TRỌNG:

- Đừng nhìn thẳng trực tiếp vào đèn hoặc nguồn sáng. Kéo cần khởi động công tắc để bật sáng đèn. Đèn sẽ vẫn sáng trong lúc cần khởi động công tắc đang được kéo. Sau khi nhả cần 10 - 15 giây thì đèn sẽ tắt.

### LƯU Ý:

- Dùng vải khô để lau bụi bẩn trên kính đèn. Cần thận không được làm xước kính đèn, nếu không đèn có thể bị giảm độ sáng.

## Hoạt động công tắc đảo chiều (Hình 4)

Dụng cụ này có một công tắc đảo chiều để thay đổi chiều xoay. Nhấn nút công tắc đảo chiều từ mặt A để xoay theo chiều kim đồng hồ hoặc từ mặt B để xoay ngược chiều kim đồng hồ.

Khi nút công tắc đảo chiều ở vị trí chính giữa, không thể kéo cần khởi động công tắc được.

### ⚠ CẨN TRỌNG:

- Luôn luôn kiểm tra hướng xoay trước khi vận hành.
- Chỉ sử dụng công tắc đảo chiều sau khi dụng cụ đã dừng hoàn toàn. Việc thay đổi hướng xoay trước khi dụng cụ dừng có thể làm hỏng dụng cụ.
- Khi vận hành dụng cụ, luôn đặt nút công tắc đảo chiều ở vị trí chính giữa.

## Thay đổi tốc độ (Hình 5)

Để thay đổi tốc độ, đầu tiên hãy tắt dụng cụ và trượt cần thay đổi tốc độ sang vị trí "2" để có tốc độ cao hoặc vị trí "1" để có tốc độ thấp. Đảm bảo rằng cần thay đổi tốc độ được đặt ở đúng vị trí trước khi vận hành. Sử dụng đúng tốc độ cho công việc của bạn.

### ⚠ CẨN TRỌNG:

- Luôn để cần thay đổi tốc độ vào thật đúng vị trí. Nếu bạn vận hành dụng cụ với cần thay đổi tốc độ đặt ở một nửa giữa vị trí "1" và "2", dụng cụ có thể bị hư hỏng.
- Không được sử dụng cần thay đổi tốc độ trong lúc dụng cụ đang chạy. Dụng cụ có thể bị hư hỏng.

## Điều chỉnh lực vặn xiết (Hình 6)

Lực vặn xiết có thể được điều chỉnh theo 18 nấc bằng cách xoay vòng điều chỉnh để canh chỉnh các độ chia vào vạch chuẩn trên thân dụng cụ. Lực vặn xiết đạt tối thiểu khi số 1 được căn chỉnh vào vạch chuẩn và đạt tối đa khi dấu hiệu được căn chỉnh vào vạch chuẩn.

Bộ ly hợp sẽ trượt ở các mức lực xoắn khác nhau khi được cài từ số 1 đến số 18. Bộ ly hợp này không được thiết kế để trượt đến dấu hiệu .

Trước khi vận hành thực tế, hãy bắt thử một ốc vít vào vật liệu hoặc mảnh vật liệu tương tự để xác định mức lực xoắn nào cần cho ứng dụng c thể đó.

## LẮP RÁP

### ⚠ CẨN TRỌNG:

- Luôn đảm bảo rằng đã tắt dụng cụ và tháo hộp pin ra trước khi thực hiện bất cứ thao tác nào trên dụng cụ.

## Lắp đặt hoặc tháo mũi vặn hoặc mũi đầu typ (Hình 7)

Chỉ sử dụng các đầu mũi có phần lắp như trình bày trong hình.

A = 17 mm B = 14 mm	Để lắp các loại đầu mũi này, hãy làm theo quy trình (1). (Lưu ý) Các mũi vít Makita là những loại sau.
A = 12 mm B = 9 mm	Để lắp các loại đầu mũi này, hãy làm theo quy trình (2). (Lưu ý) Miếng đệm đầu mũi là cần thiết để lắp mũi vít.

006349

- Để lắp đặt đầu mũi, kéo trụ ngoài theo hướng mũi tên và đẩy đầu mũi vào trụ ngoài hết mức có thể. Sau đó nhả trụ ngoài ra để giữ chặt lại đầu mũi. (Hình 8)
- Để lắp đặt mũi vít, kéo trụ ngoài theo hướng mũi tên, sau đó lắp miếng đệm mũi vít và đẩy mũi vít vào trụ ngoài hết mức có thể. Miếng đệm mũi vít cần được lắp vào trụ ngoài với đầu mũi quay vào trong. Sau đó nhả trụ ngoài ra để giữ chặt mũi vít. (Hình 9)

Để tháo mũi vít, kéo trụ ngoài theo hướng mũi tên và kéo mạnh mũi vít ra.

### LƯU Ý:

- Nếu mũi vít không được đẩy đủ sâu vào trụ ngoài, trụ ngoài sẽ không trở lại vị trí ban đầu và không giữ chặt được mũi vít. Trong trường hợp này, cố lắp lại mũi vít theo các hướng dẫn ở trên.

## VẬN HÀNH

### ⚠ CẨN TRỌNG:

- Luôn luôn lắp hộp pin vào hết mức cho đèn khi nó khóa đúng vào vị trí. Nếu không, chốt có thể vô tình rơi ra khỏi dụng cụ, gây thương tích cho bạn hoặc người khác xung quanh.

Giữ dụng cụ thật chặt bằng một tay trên tay cầm và tay kia trên phần đáy hộp pin để kiểm soát thao tác vận xoắn.

## Thao tác bắn vít (Hình 10)

### ⚠ CẨN TRỌNG:

- Chỉnh nút điều chỉnh đèn cấp độ lực vặn phù hợp với công việc của bạn.

Đặt đầu mũi vặn vào trong đầu vít và nhấn dụng cụ. Khoi động dụng cụ từ từ, sau đó tăng tốc độ dần dần. Nhả cần khởi động công tắc ngay khi bộ ly hợp vừa ngắt.

### ⚠ CẨN TRỌNG:

- Đảm bảo rằng mũi vặn được lắp thẳng đúng vào đầu vít, nếu không vít và/hoặc mũi vặn có thể bị hư hỏng.

### LƯU Ý:

- Khi vặn các vít bắt gỗ, hãy khoan trước các lỗ định hướng để giúp bắt vít dễ dàng hơn và ngăn vật gia công bị chia tách. Xem sơ đồ.

Đường kính danh định của vít bắt gỗ (mm)	Kích thước khuyên cảo của lỗ khoan dẫn (mm)
3,1	2,0 - 2,2
3,5	2,2 - 2,5
3,8	2,5 - 2,8
4,5	2,9 - 3,2
4,8	3,1 - 3,4
5,1	3,3 - 3,6
5,5	3,7 - 3,9
5,8	4,0 - 4,2
6,1	4,2 - 4,4

006421

## Thao tác khoan

Đầu tiên, xoay nút điều chỉnh sao cho vạch chuẩn chỉ vào dấu  $\textcircled{1}$ . Sau đó tiến hành như sau.

### Khoan vào gỗ

Khi khoan vào gỗ, để có kết quả tốt nhất cần sử dụng các mũi khoan dùng để khoan gỗ và vít dẫn. Vít dẫn giúp khoan dễ dàng hơn bằng cách kéo đầu mũi vào trong vật gia công.

### Khoan vào kim loại

Để phòng ngừa đầu mũi bị trượt ra lúc bắt đầu khoan lỗ, hãy tạo một vết lõm bằng cách dùng dùi đục tâm và đóng vào điểm cần khoan. Đặt đầu mi khoan vào chỗ lõm này và bắt đầu khoan.

Sử dụng đầu nhòn để cắt khi khoan kim loại. Trừ các trường hợp dùng sắt và đồng thau cần phải được khoan khô.

### ⚠ CẨN TRỌNG:

- Nhấn dụng cụ quá mức sẽ không tăng tốc độ khoan lên được. Trên thực tế, việc nhấn mạnh thêm này sẽ chỉ làm gây hỏng đầu mũi của bạn, giảm hiệu năng và tuổi thọ hoạt động của dụng cụ.
- Sẽ có lực quán tính rất lớn trên dụng cụ/mũi khoan lúc lỗ khoan được xuyên thủng. Giữ chặt dụng cụ và chuẩn bị ghìm lực quán tính lại khi mũi khoan xuyên thủng vật gia công.
- Mũi khoan bị kẹt có thể được tháo ra đơn giản bằng cách đặt công tắc đảo chiều sang chế độ xoay ngược lại để rút mũi khoan ra. Tuy nhiên, dụng cụ có thể quay ngược ra bất ngờ nếu bạn không giữ chặt.
- Luôn luôn giữ chặt các vật gia công có kích thước nhỏ bằng kim hoặc dụng cụ kẹp tương tự.
- Nếu dụng cụ được vận hành liên tục cho đến khi hộp pin đã bị xả kiệt, hãy để dụng cụ nghỉ 15 phút trước khi thực hiện tiếp bằng pin mới.

## Sử dụng dụng cụ làm tuốc-nơ-vít cầm tay (Hình 11)

Tắt dụng cụ.

Di chuyển nút khóa vào vị trí được khóa A.

Quay dụng cụ.

### LƯU Ý:

- Việc sử dụng này rất thuận tiện cho việc kiểm tra việc bắt vít.
- Không được dùng dụng cụ cho công tác yêu cầu lực án vượt mức, chẳng hạn như vận bulông hoặc loại bỏ các vít bị rỉ sét.

## Sử dụng bao đeo

### ⚠ CẨN TRỌNG:

- Không được dùng các dụng cụ như khoan có đầu mũi lắp sẵn trên đó.
  - Tắt dụng cụ và chờ đến khi ngừng hoàn toàn trước khi đặt vào bao đeo.
- Đảm bảo đóng nắp bao đeo thật chặt để giữ chắc dụng cụ.

Luồn dây đeo hông hoặc tương tự xuyên qua phần giữ bao đeo. (Hình 12)

Đặt dụng cụ vào trong bao đeo và khóa lại bằng nút của bao đeo. (Hình 13)

Có thể gắn hai đầu mũi khoan ở phía trước bao đeo. (Hình 14)

## BẢO TRÌ

### ⚠ CẨN TRỌNG:

- Hãy luôn chắc chắn rằng dụng cụ đã được tắt và hộp pin đã được tháo ra trước khi cố gắng thực hiện việc kiểm tra hay bảo dưỡng.
- Không bao giờ dùng xăng, et xăng, dung môi, cồn hoặc hóa chất tương tự. Có thể xảy ra hiện tượng mất màu, biến dạng hoặc nứt vỡ.

Để đảm bảo AN TOÀN và TIN Cậy của sản phẩm, việc sửa chữa hoặc bắt cứ thao tác bảo trì, điều chỉnh nào đều phải được thực hiện bởi các Trung tâm Dịch vụ Được Ủy quyền của Makita (Makita Authorized Service Center), luôn sử dụng các phụ tùng thiết bị thay thế của Makita.

## PHỤ KIỆN TÙY CHỌN

### ⚠ CẨN TRỌNG:

- Các phụ kiện hoặc phụ tùng gắn thêm này được khuyến cáo sử dụng với dụng cụ Makita của bạn theo như quy định trong hướng dẫn này. Việc sử dụng bất cứ phụ kiện hoặc phụ tùng gắn thêm nào khác đều có thể gây ra rủi ro thương tích cho người. Chỉ sử dụng phụ kiện hoặc phụ tùng gắn thêm cho mục đích đã quy định sẵn của chúng.

Nếu bạn cần hỗ trợ để biết thêm chi tiết về những phụ kiện này, hãy liên hệ với Trung tâm Dịch vụ của Makita tại địa phương của bạn.

- Các mũi khoan
- Các đầu mũi vít
- Mũi đầu tuýp
- Miếng đệm đầu mũi
- Các loại pin và bộ sạc chính hãng của Makita
- Bao đeo
- Hộp nhựa chứa dụng cụ

### LƯU Ý:

- Một vài mục trong danh sách có thể được bao gồm trong gói dụng cụ làm phụ kiện tiêu chuẩn. Các thông số kỹ thuật có thể thay đổi tùy theo từng quốc gia.

## คำอธิบายของมุ่มนองทั่วไป

- |                  |                            |              |
|------------------|----------------------------|--------------|
| 1. บุม           | 5. ก้านสวิตซ์เปลี่ยนทิศทาง | 9. ลูกศรชี้  |
| 2. ตอกแบบเตอร์   | 6. ก้านเปลี่ยนความเร็ว     | 10. ตอกส่วน  |
| 3. สวิตซ์สั่งงาน | 7. แหนปรีบ                 | 11. ปลอก     |
| 4. คงไฟ          | 8. เลขบอกระดับ             | 12. ตอกไขควง |

ข้อมูลจำเพาะ

รุ่น	DF030D	
ความสามารถในการเจาะ	ลิ้นชัก	10 มม.
	ไม้	21 มม.
	สกอร์บีดไม้	5.1 มม. x 63 มม.
	สกอร์บีดลิ้นชัก	M6
ความเร็วขณะขูดเปล่า (รอบต่อนาที)	สูง (2)	0 - 1,300
	ต่ำ (1)	0 - 350
ความสามารถในการกระแทก		6.35 มม.
ความยาวโดยรวม		157 มม.
น้ำหนักสุทธิ		0.89 กก.
แรงดันไฟฟ้า		กระแสตรง 10.8 โวลต์

- เนื่องจากการค้าค้าวิถีชนิดแพะฟันยาอย่างต่อเนื่อง ข้อมูลจำเพาะในเอกสารฉบับนี้อาจเปลี่ยนแปลงได้โดยไม่ต้องแจ้งให้ทราบล่วงหน้า
  - ข้อมูลจำเพาะและผลลัพธ์แบบเดียวกันที่ใช้จัดทำต่อไปนี้เป็นแต่ละประเทศ
  - น้ำหนักรวมต้นแบบต่อชีวิตตามข้อบังคับของ EPTA 01/2003

END004-4

ສັບລັກຊົນ

ต่อไปนี้คือสัญลักษณ์ที่ใช้สำหรับอุปกรณ์ โปรดศึกษาความหมายของสัญลักษณ์ให้เข้าใจก่อนการใช้งาน



ENE034-1

ຈຸດປະສົງຄ່າຂອງເຄືອງມືອ  
ແລ້ວ ບັນຍັດຕີ້ຫຼື ດຳວັດໄລຍະພາບແຫຼ່ງທີ່ໄດ້ ໃນໆ ໂດຍແກ່ ໄລຍພວດຕິວ

VIII

GAE006-2

⚠️ คำเตือน! อ่านคำเตือนด้านความปลอดภัยและคำแนะนำที่สำคัญๆ ก่อนใช้งาน ไม่งั้นอาจจะเสียหาย!  
การไม่ปฏิบัติตามคำเตือนแล้วจะเสียหายได้!  
หากพบว่าไฟฟ้าดูดซึม หรือไฟฟ้าลัดวงจร ห้ามสัมผัสด้วยมือ!

เก็บรักษาคำเตือนและคำแนะนำทั้งหมดไว้เป็นข้อมูลค้างดึงในอนาคต

คำว่า “เครื่องมือไฟฟ้า” ในคำเตือนนี้หมายถึงเครื่องมือไฟฟ้า (มีสาย) ที่ทำงานโดยใช้กระแสไฟฟ้า เช่น เครื่องจักรไฟฟ้า หรือเครื่องจักรไฟฟ้า (ไร้สาย) ที่ทำงานโดยใช้แบตเตอรี่

### ความไม่ล่ออดีตของพื้นที่ทำงาน

- ดูแลพื้นที่ทำงานให้มีความสะอาดและมีแสงไฟสว่าง พื้นที่จะรบกวน  
ระบบหรือมีต้นป่าจากน้ำไปสู่กราฟิกอุปกรณ์ได้
  - อย่าใช้ชานมเครื่องเมื่อไฟฟ้าในสภาพที่อาจเกิดการระเบิด เช่น ใน  
สถานที่ที่มีของเหลว ก๊าซ หรือผงที่มีคุณสมบัติไวไฟ เครื่องเสียง
  - ดูแลไม้ไผ่เด็กๆ หรือบุคคลสื่อภายนอกใบไม้ที่กำลังใช้เครื่องเมื่อ  
ไฟฟ้า การเมืองงานสมาร์ทจัดทำให้คนสนับสนุนยากรุ่นคุณ

### ความปลอดภัยด้านไฟฟ้า

- บล็อกของเครื่องมือไฟฟ้าห้องพอดีกันตัดรับ อย่างดัดแปลงเล็กไม่ว่ากรณีใดๆ อย่างให้บล็อกอะไหล่ต่อเครื่องมือไฟฟ้าที่ต่อสายดิน บล็อกไม่ถูกดัดแปลงแล้วได้รับไฟฟ้าที่ห้ากันพอดีช่วยลดความเสี่ยงของการเกิดไฟฟ้าช็อต
  - ระวังอչ่ายให้ร่างกายสัมผัสรหัสเจ็บที่ต่อสายดิน เช่น ห้องเครื่องน้ำมันข้อน เดานุ่มต้ม สูตรเย็น มีความเสี่ยงที่จะเกิดไฟฟ้าช็อตลงขึ้น หากร่างกายของคุณสัมผัสรหัสกันพื้น
  - อย่าใช้เครื่องมือไฟฟ้าหากน้ำเรืออยู่ในสภาพเปียกชื้น น้ำที่เหลือเข้าไปในเครื่องจะมีไฟฟ้าฉะประคบร่วมกับความเสี่ยงของการเกิดไฟฟ้าช็อต
  - อย่าใช้สายยางในเมือง寒 หรือสายยางที่คลื่นอันที่สายไฟฟ้าช็อต

GBR088-1

คำเตือนด้านความปลอดภัยของไขควงไฟฟ้า  
แบบไร้สาย

- ให้มีจังับเสริม ถ้ามีมากับเครื่อง การสูญเสียความควบคุมอาจทำให้เกิดการบาดเจ็บ
  - ถือเครื่องมือไฟฟ้าริเวณมือจับที่เป็นจวนขณะทำงานที่เครื่องมือต้องอาศัยมือผสานกับสายไฟที่ซ่อนอยู่ ครึ่งของอัคคีพืสดับสายไฟที่ “มีกระแสไฟฟ้าในลอดผ่าน” อาจทำให้ส่วนที่เป็นโลหะของเครื่องมือไฟฟ้าที่ไม่มีความนำหู “มีกระแสไฟฟ้าในลอดผ่าน” และทำให้ผู้ปฏิบัติงานได้ไฟฟ้าช็อกได้
  - ถือเครื่องมือไฟฟ้าริเวณมือจับที่เป็นจวนขณะทำงานที่สายดัดอาจสัมผัสกับสายไฟที่ซ่อนอยู่ สายดัดที่ลืมผสานกับสายไฟที่ “มีกระแสไฟฟ้าในลอดผ่าน” อาจทำให้ส่วนที่เป็นโลหะของเครื่องมือไฟฟ้าที่ไม่มีความนำหู “มีกระแสไฟฟ้าในลอดผ่าน” และทำให้ผู้ปฏิบัติงานถูกไฟฟ้าช็อกได้

4. ตรวจสอบบริเวณที่ใช้ให้มีความมั่นคงสมอ  
หากใช้งานเครื่องมือในพื้นที่สูง ระวังอย่าให้มีคนอยู่ด้านล่าง
  5. จับเครื่องมือให้แน่น
  6. ระยะอย่างไรมือสัมผัสกับเข็มส่วนที่หมุนได้
  7. อย่างไรถึงให้เครื่องมือทำงานค้างไว้ ใช้งานเครื่องมือในขณะที่  
ถืออยู่เท่านั้น
  8. หัวแม่ผ้าบันตัดออกส่วนหัวเข็มงานทันทีที่ทำงานเสร็จ เนื่องจาก  
ดอกส่วนหัวเรียกชื่องานอาจมีความร้อนสูงและลวกผิวหนังของ  
คุณได้
  9. วัสดุบางอย่างอาจมีสารเคมีที่เป็นพิษ ระวังอย่าสูดคอมฝุ่นหรือ  
ให้สfur เหล็กนั้นสัมผัสกับร่างกาย ปฏิบัติตามข้อมูลด้านความ  
ปลอดภัยของผู้ผลิตวัสดุ

## บันทึกคำแนะนำเหล่านี้

คำเตือน:

อย่างให้ความไม่ร่วมด้วยหรือความคืบเคี่ยวนิดลิติกันต์ (จากการใช้งานสหสัมภารัตน์) อยู่เบื้องหลังการปฏิบัติตามกฎเกณฑ์ด้านความปลอดภัยในการใช้งานผลิตภัณฑ์ที่อาจก่อครึ่งครึ่ง การใช้งานอย่างไม่เหมาะสมหรือการไม่ปฏิบัติตามกฎเกณฑ์ด้านความปลอดภัยในคุณภาพงานน้ำอาจก่อให้เกิดการบาดเจ็บอย่างรุนแรง

ENC009-1

คำแนะนำด้านความปลอดภัยที่สำคัญ

## ສໍາຫຼວງເຕລັກແນວເຕເອມ

- ก่อนใช้งานตัดลับแบบเต็อเรี่ย ให้อ่านค่าแนะนำและเครื่องหมายเดือนทั้งหมดบน (1) เครื่องชาร์จแบบเต็อเรี่ย (2) แบตเตอรี่ และ (3) ตัวผลิตภัณฑ์ที่ใช้แบบเต็อเรี่ย
  - ห้ามดูดและสูบส่วนตัดลับแบบเต็อเรี่ย
  - หากจะระยะเวลาที่สามารถใช้งานสั่นได้กินไปให้หยุดใช้งานทันทีเนื่องจากอาจมีความเสี่ยงที่จะร้อนดัด ให้มือหรือระเบิดได้
  - หากสารละลายอิเล็กโทรไลต์กระเด็นเข้าตา ให้ล้างออกด้วยน้ำเปล่าและรีบไปพบแพทย์ทันที เนื่องจากอาจทำให้ตาบอด
  - ห้ามลัดวงจรดับลับแบบเต็อเรี่ย:
    - (1) ห้ามแตะชี้วากับวัสดุที่เป็นสื่อนำไฟฟ้าได้
    - (2) หลีกเลี่ยงการเก็บตัดลับแบบเต็อเรี่ยไว้ในภาชนะร่วมกับวัสดุที่เป็นโลหะ เช่น กรวยไกรตัดเล็บ เนริญฯ ฯ
    - (3) อย่าให้ตัดลับแบบเต็อเรี่ยกับน้ำหรือฝน
  - แบบเต็อเรี่ยลัดวงจรอาจทำให้เกิดการไหลของกระแสไฟฟ้าร้อนจัด ในเมืองหรือเสียหายได้
  - ห้ามเก็บเครื่องฟื้นและตัดลับแบบเต็อเรี่ยไว้ในสถานที่มีอุณหภูมิสูงถึงหรือเกิน 50°C
  - ห้ามเผาเทปที่ตัดลับแบบเต็อเรี่ย เม้าว่าแบบเต็อเรี่ยจะหมดหรือเสียหายจนใช้ไม่ได้ อีก ตัดลับแบบเต็อเรี่ยอาจระเบิดในกองไฟ
  - ระวังอุบัติเหตุที่มาแบบเต็อเรี่ยต่อกันหนึ่หรือกระทบกระแทก
  - ห้ามใช้ยาเม็ดเครื่อที่มีสีเหลือง

## บันทึกคำแนะนำเหล่านี้

เคล็ดลับในการรักษาอายุการใช้งานของแบตเตอรี่ให้ยาวนานที่สุด

1. สารเจรจาชีวภาพที่ตับแบบแต่เดื่อเรื่อยก่อนที่ประจุไฟฟ้าจะหมด  
หยุดการใช้งานแล้วชาร์จประจุไฟฟ้าใหม่ทุกครั้งเมื่อคุณรู้สึกว่า  
อุปกรณ์นี้กำลังลดลง
  2. อย่าชาร์จตับลับแบบแต่เดื่อเรื่อยชาร์จประจุไฟฟ้าจนเต็มแล้ว  
การชาร์จประจุไฟฟ้ามากเกินไปอาจทำให้อายุการใช้งานของ  
ตับลับแบบต่อไปรีสั่นลง
  3. ชาร์จไฟฟ้าตับแบบแต่เดื่อเรื่นให้ห้องที่มีอุณหภูมิ  $10^{\circ}\text{C} - 40^{\circ}\text{C}$  ปล่อย  
ให้ตัวช้อนแยกแต่เดื่อเรื่นลงก่อนที่จะชาร์จไฟ

## คำอธิบายการทำงาน

ข้อควรระวัง

- ตรวจสอบบันทึกว่าสวิตซ์เครื่องมืออยู่ในตำแหน่งปิดเครื่อง และกดตกลับแบบเดิมๆ ก่อนปรับตั้งหรือตัวตรวจสอบการทำงานของเครื่องมือ

### การติดตั้งหรือถอนอุปกรณ์ลับแนวต่อๆ กันที่ 1

ข้อควรระวัง:

- ปัจจุบันเครื่องมือก่อนทำมาหากําได้หรือคดลับแบบเดอร์รูทิกวิ้ง
  - อุปกรณ์เครื่องมือและตัวแบบเดอร์รูที่นําเสนอในระหว่างการติดตั้งหรือ การคดลับแบบเดอร์รู การมีอุปกรณ์ตัวแบบเดอร์รูและเครื่องมือที่นําเสนอ อาจจะทำให้คลบแบบเดอร์รูและเครื่องมือในลักษณะดังกล่าวโดยเสียหายหรือเกิด ภาระภาคเจ้าได้  
เนื่องด้วยตัวของเครื่องมือและตัวแบบเดอร์รู ให้กัดปูนที่ด้านข้างทั้งสองด้านของคลบ แบบเดอร์รูแล้วใส่หัวลงคลบแบบเดอร์รูซึ่งจากเครื่องมือ วิธีการได้คลบแบบเดอร์รู ให้เอาส่วนหน้าของตัวแบบเดอร์รูที่นําบันช่องใส่ เหล็กด้าบที่ได้ใส่ลับแบบเดอร์รูเข้าจนสุดจนกว่าจะทําได้ยอนเสียงคลิกล็อกดูเข้าที่  
 **ข้อควรระวัง:**

ข้อควรระวัง:

- ให้แนวใจไปตัดสัมภัยเดือดเรื่องรักษาเรือนสุดจนกระทั่งได้รับเงินเดือนล็อกเร้าที่ “ไม่เท่านั้นนี่ คลับแบบเดือดอีกหน่อยจากภาคใต้” หรือ “เมื่อทำให้คุณหรือคนรอบข้างได้รับบาดเจ็บ”
  - คอกำเนิดมีติดตั้งตัวสัมภัยเดือดใช้แรงมากเกินไป หากตัดสัมภัยเดือดริม “อีกแนวเข้าไว้ในบ่อๆ” และลงว่า “ไม่ภักดี”

## ຈະນາງໄຊອົງກັນແລ້ວເຕີມ

เกี่ยวข้องมีผลประบกการบังกับแบบเต็มๆ รวมบันชี้จะทำการตัดผลลงงานของเมืองโดยยังไม่มีเพื่อยืดอายุแบบเต็มๆ เกี่ยวข้องมีผลหยุดทั้งงานระหว่างการใช้งานได้เมียร์ดในเมืองนี้ก่อครื่องมือและ/หรือขยายเมืองต่อจากภายนอกให้สู่สถานการณ์มืดค่ำไป.

- ทำงานหนักเกินไป:
    - เครื่องมือทำงานในสักษณะที่ต้องใช้พลังงานไฟฟ้าสูงเกินปกติ ในสถานการณ์นี้ ให้ปลดล็อกอีกตัวสี่ทำงานของเครื่องมือและเบี่ยงการให้ งานในรูปแบบที่คาดการณ์ไว้ได้ เช่น มีคนทำงานหนักเกินไปได้ แล้วค่อย ดึงสวิตซ์สี่ทำงานอีกครั้งเพื่อเริ่มการทำงานต่อ
  - พลังงานในแบตเตอรี่ต่ำ:
    - พลังงานในแบตเตอรี่หรือไอน้ำออกเกินไปและเครื่องมือจะไม่ทำงาน หาก คุณกดสวิตซ์สี่ทำงานแล้วมันตอบรับไม่ทำงานและหยุดการทำงานในทันที ในสถานการณ์นี้ ปลดล็อกแบตเตอรี่จากอุปกรณ์ที่อยู่ในเครื่องแล้ว



เส้นผ่านศูนย์กลางปีกภายนอก สกอร์ค่าไม้ (มม.)	ขนาดรูสำหรับตัวเม็ด (มม.)
3.1	2.0 - 2.2
3.5	2.2 - 2.5
3.8	2.5 - 2.8
4.5	2.9 - 3.2
4.8	3.1 - 3.4
5.1	3.3 - 3.6
5.5	3.7 - 3.9
5.8	4.0 - 4.2
6.1	4.2 - 4.4

006421

## การเจาะ

ขั้นแรกให้หันหน้าเห็นปีกบันสกูตร้าเบที่เครื่องหมาย ชิ จากนั้นทำการขันดอนที่ใบปืน

## การเจาะไม้

เพื่อให้ได้ผลลัพธ์ในการเจาะไม้ ควรใช้สว่านเจาะไม้ค้ำบู่กับสกอร์น้ำ สกอร์น้ำจะช่วยให้การเจาะง่ายขึ้น โดยการดึงดอกสว่านลงในชิ้นงาน

## การเจาะโลหะ

เพื่อป้องกันดอกสว่านเลื่อนเมื่อเริ่มเจาะ ให้หันด้านที่ต้องเจาะ วางสายตาดูสว่านที่เรียกว่าตัดและเริ่มเจาะ ให้สวาร์ดลื่นสำหรับการตัดเมื่อเจาะโลหะ ยกเว้นการเจาะเหล็กและทองเหลือง ซึ่งควรเจาะแบบแห้ง

## ข้อควรระวัง:

- การออกแรงกดบนเครื่องมือไม่ช่วยให้การเจาะเร็วขึ้น ตามข้อเท็จจริง แล้ว แรงกดที่มากเกินไปจะทำให้ปลายดอกสว่านเสียหาย ลดประสิทธิภาพและอายุการใช้งานของเครื่องมือ
- จะมีแรงกดบนเครื่องมือดอกสว่านอย่างมากขณะเจาะบุบbling ขับเครื่องมือให้แน่น และจะได้รับแรงเมื่อดอกสว่านเริ่มเจาะจะลุบลง
- ดอกสว่านที่ติดอยู่ที่ชิ้นงานสามารถนำออกมาได้ร่ายโดยการใช้จานสวิตเซปเปิลที่ติดทิศทางเดียวกัน แต่เมื่อถูกดึงออกมานี้จะต้องรีบหันด้านที่ต้องเจาะ ให้ดึงดอกสว่านออกจากชิ้นงาน อย่างไรก็ตาม เครื่องมืออาจดึงออกหันที่โดยที่คุณไม่ทันตั้งตัว คุณจึงควรดึงเครื่องมือให้ไว้ทัน
- ถ้าชิ้นงานขนาดเล็กต้องยกปีกบันจับงาน หรืออุปกรณ์จับยึดที่คล้ายคลึงกันเสมอ
- หากใช้งานเครื่องมืออย่างต่อเนื่องจนกระทั่งตัดลับแบบเต็มร่องไฟฟ้า ให้พักเครื่องมือไว้ประมาณ 15 นาทีก่อนใส่แบตเตอรี่ที่ราชจังไฟใหม่

## การใช้เครื่องมือเป็นไฟคงมือหมุน (ภาพที่ 11)

ปีดเครื่องมือ

เลื่อนปุ่มเลือกไปยังตำแหน่งล็อก A

เปิดเครื่องมือ

## หมายเหตุ:

- การใช้งานประนีกันน้ำหมายความว่าบากการตรวจสอบการขันสกูตร้า
- อย่าใช้เครื่องมือที่ใช้ทำงานที่ต้องใช้แรงมากเป็นพิเศษ เช่นการขันล็อก เกลียวหรือดอกสกูต์ที่เป็นสนิม

## การใช้ช่องหนังสือ

### ข้อควรระวัง:

- อย่าใช้กับเครื่องมือที่ชื้นส่วนเล็กๆ ติดตั้งอยู่
- ปีดเครื่องมือแล้วขอให้เครื่องมือหยุดสนใจที่สีของ ตรวจสอบให้แน่ใจว่าได้ปิดช่องของบานหนาเพื่อบีบปรับเข้าเครื่องมืออย่างปลอดภัย

ทดสอบช่องด้วยอุปกรณ์เช่นฯ ผ่านทางสกอร์น้ำ (ภาพที่ 12)

ใส่เครื่องมือในช่องแล้วล็อกด้วยประดิษฐ์ (ภาพที่ 13)

สามารถเก็บดอกไขควงไว้สองด้านที่ด้านหน้าของช่องหนังสือ (ภาพที่ 14)

## การบำรุงรักษา

### ข้อควรระวัง:

- ตรวจสอบให้แน่ใจว่าสวิตซ์เครื่องมืออยู่ในตำแหน่งปิดเครื่อง และกดตัวล๊อปด้วยตัวของคุณเอง ก่อนทำการตรวจสอบรีบลุบลักษณะ
- อย่าให้น้ำมันเข้าเพลิง เบนซิน ทินเนอร์ แอลกอฮอล์ หรือสารเคมีอื่นๆ ที่อาจก่อให้เกิดการระเบิด หรืออัคคีภัย ดีดูดูประทุ หรือแตกหักได้ เพื่อความปลอดภัยและความน่าเชื่อถือของผลิตภัณฑ์ ควรให้ศูนย์บริการที่ผ่านการรับรองจาก Makita เป็นผู้ดำเนินการซ่อมแซม บำรุงรักษา และทำ การปรับตั้งอื่นๆ นอกจากนั้นให้เข้าบ้านล็อกแท้จาก Makita เสมอ

## อุปกรณ์เสริม

### ข้อควรระวัง:

- ขอแนะนำให้ใช้เฉพาะอุปกรณ์เสริมหรืออุปกรณ์ต่อพ่วงเหล่านี้กับ เครื่องมือ Makita ที่ระบุในคู่มือ การใช้อุปกรณ์เสริมหรืออุปกรณ์ต่อพ่วง อื่นๆ อาจมีความเสี่ยงที่จะได้รับบาดเจ็บ ใช้อุปกรณ์เสริมหรืออุปกรณ์ ต่อพ่วงงานหัวดัดดูประดิษฐ์คู่รุ่นได้เท่านั้น

หากคุณต้องการทำรายการบนอุปกรณ์เสริมเหล่านี้ โปรดสอบถามศูนย์บริการ Makita ใกล้บ้านคุณ

- ดอกสว่าน
- ดอกไขควง
- หัวเข็มกลัด
- ดอกไขควง
- แบบดูดรีแลนช์ที่ติดชาร์จของแท้แบบต่างๆ ของ Makita
- ซอง
- กระเบ้ากีดอพลาสติก

## หมายเหตุ:

- อุปกรณ์บางรายการอาจจำเป็นอยู่ในชุดอุปกรณ์พื้นฐานของผลิตภัณฑ์ ซึ่งอาจแตกต่างกันไปในแต่ละประเทศ







**Makita Corporation**  
3-11-8, Sumiyoshi-cho,  
Anjo, Aichi 446-8502 Japan  
[www.makita.com](http://www.makita.com)

884796B376

TRD