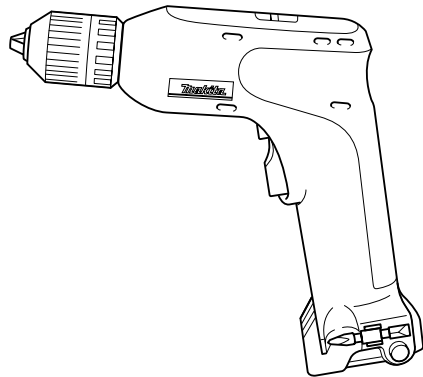




# Cordless Driver Drill

MODEL 6016D

MODEL 6018D



002030

## I N S T R U C T I O N M A N U A L

**⚠ WARNING:**

For your personal safety, READ and UNDERSTAND before using.  
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

[www.makitatools.com](http://www.makitatools.com)

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# SPECIFICATIONS

Model		6016D	6018D
Capacities	Steel	10 mm (3/8")	
	Wood	15 mm (9/16")	
	Wood screw	5.1 x 35 mm (13/64" x 1-3/8")	
No load speed (RPM)	High	600/min.	0 - 600/min.
	Low	200/min.	0 - 200/min.
Overall length		244 mm (9-39/64")	251 mm (9-7/8")
Net weight		1.0 kg (2.2 lbs)	1.1 kg (2.4 lbs)
Rated voltage		D.C. 7.2 V	
Standard battery cartridges		7000	

- Manufacturer reserves the right to change specifications without notice.
- Specifications may differ from country to country.

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# GENERAL SAFETY RULES

USA003-2

## (FOR ALL BATTERY OPERATED TOOLS)

### **WARNING:**

**Read and understand all instructions.** Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

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# SAVE THESE INSTRUCTIONS

## Work Area

- 1. Keep your work area clean and well lit.** Cluttered benches and 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 bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

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## Electrical Safety

- 4. A battery operated tool with integral batteries or a separate battery pack must be recharged only with the specified charger for the battery.** A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.
- 5. Use battery operated tool only with specifically designated battery pack.** Use of any other batteries may create a risk of fire.

## Personal Safety

- 6. Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- 7. Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
- 8. Avoid accidental starting. Be sure switch is in the locked or off position before inserting battery pack.** Carrying tools with your finger on the switch or inserting the battery pack into a tool with the switch on invites accidents.
- 9. Remove adjusting keys or wrenches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
- 10. Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enable better control of the tool in unexpected situations.
- 11. Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

## Tool Use and Care

- 12. Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
- 13. Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
- 14. Do not use tool if switch does not turn it on or off.** A tool that cannot be controlled with the switch is dangerous and must be repaired.
- 15. Disconnect battery pack from tool or place the switch in the locked or off position before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
- 16. Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
- 17. 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 sparks, burns, or a fire.
- 18. Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools with sharp cutting edge are less likely to bind and are easier to control.
- 19. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
- 20. Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for

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one tool may create a risk of injury when used on another tool.

## **SERVICE**

**21. Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel may result in a risk of injury.

**22. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of shock or injury.

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# **SPECIFIC SAFETY RULES**

USB022-2

**DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to cordless drill safety rules. If you use this tool unsafely or incorrectly, you can suffer serious personal injury.**

- 1. Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring.** Contact with a “live” wire will also make exposed metal parts of the tool “live” and shock the operator.
- 2. Be aware that this tool is always in an operating condition, because it does not have to be plugged into an electrical outlet.**
- 3. Always be sure you have a firm footing.**
- 4. 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 working dust inhalation and skin contact. Follow material supplier safety data.**

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# **SAVE THESE INSTRUCTIONS**

**⚠ WARNING:**  
**MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.**

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# SYMBOLS

USD301-1

The followings show the symbols used for tool.

V ..... volts

n<sub>0</sub> .....no load speed

→ ..... direct current

.../min.....revolutions or reciprocation per minute

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## IMPORTANT SAFETY INSTRUCTIONS FOR BATTERY CARTRIDGE

ENC004-1

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. Always cover the battery terminals with the battery cover when the battery cartridge is not used.
  6. 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.
7. Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50°C (122°F).
  8. 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.
  9. Be careful not to drop or strike battery.

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## SAVE THESE INSTRUCTIONS

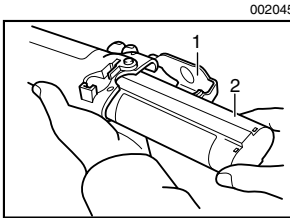
### Tips for maintaining maximum battery life

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 Nickel Metal Hydride battery cartridge when you do not use it for more than six months.

# FUNCTIONAL DESCRIPTION

## ⚠ CAUTION:

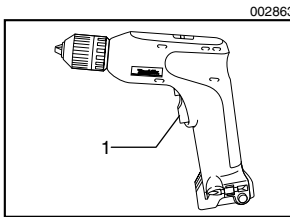
- Always be sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.



1. Set plate
2. Battery cartridge

## Installing or removing battery cartridge

- Always switch off the tool before insertion or removal of the battery cartridge.
- To remove the battery cartridge, pull out the set plate on the tool and grasp both sides of the cartridge while withdrawing it from the tool.
- To insert the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Snap the set plate back into place. Be sure to close the set plate fully before using the tool to prevent the battery cartridge from accidentally falling out of the tool.
- Do not use force when inserting the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.



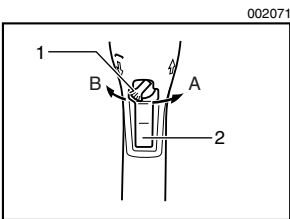
1. Switch trigger

## Switch action

### ⚠ 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.



1. Reversing switch lever
2. Switch trigger

## Reversing switch action

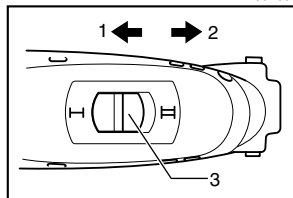
This tool has a reversing switch to change the direction of rotation. Move the reversing switch lever to the A side for clockwise rotation or the B side for counterclockwise rotation.

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.

002092



1. Low speed
2. High speed
3. Speed change lever

- 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

To change the speed, first switch off the tool and then slide the speed change lever to the “II” side for high speed or “I” 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 “I” side and “II” side, the tool may be damaged.
- Always make sure that the gear is engaged properly by running the tool under no load after sliding the speed change lever to the desired speed position. If you operate the tool with the gear engaged improperly, the tool may be damaged.
- Do not use the speed change lever while the tool is running. The tool may be damaged.

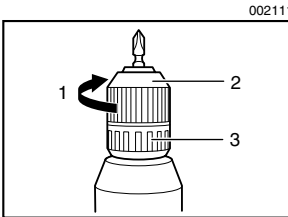
## ASSEMBLY

### **⚠ 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 drill bit**

#### **For model 6018D**

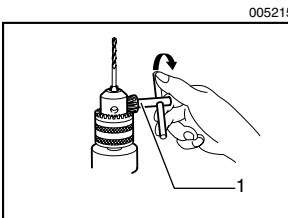


1. Tighten
2. Sleeve
3. Ring

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.

#### **For model 6016D**



1. Chuck key

To install the bit, place it in the chuck as far as it will go. Tighten the chuck by hand. Place the chuck key in each of the three holes and tighten clockwise. Be sure to tighten all three chuck holes evenly.

To remove the bit, turn the chuck key counterclockwise in just one hole, then loosen the chuck by hand.

After using the chuck key, remember to return it to the set plate.

When not using the driver bit, keep it in the bit holders. Bits 45 mm (1-3/4") long can be kept there.

## OPERATION

### **Screwdriving operation**

Place the point of the driver bit in the screw head and apply pressure to the tool. Start the tool. Release the trigger just as the screw bottoms out. If the trigger is not released, the screw may strip out the hole or the screw and/or bit may be damaged.

### **⚠ CAUTION:**

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



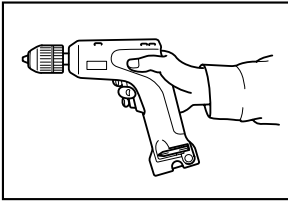
**NOTE:**

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

002379

Nominal diameter of wood screw (mm)	Recommended size of pilot hole (mm)
3.1 (1/8")	2.0 - 2.2 (5/64" - 3/32")
3.5 (9/64")	2.2 - 2.5 (3/32" - 3/32")
3.8 (5/32")	2.5 - 2.8 (3/32" - 7/64")
4.5 (11/64")	2.9 - 3.2 (7/64" - 1/8")
4.8 (3/16")	3.1 - 3.4 (1/8" - 9/64")
5.1 (13/64")	3.3 - 3.6 (1/8" - 9/64")

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**Drilling operation**

**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.

## MAINTENANCE

### CAUTION:

- Always be sure that the tool is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

EN0001-1

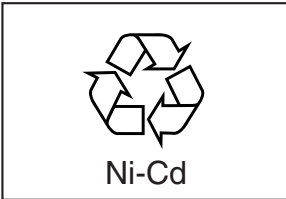
### Recycling the Battery

The only way to dispose of a Makita battery is to recycle it. The law prohibits any other method of disposal.

To recycle the battery:

1. Remove the battery from the tool.
2. a) Take the battery to your nearest Makita Factory Service Center  
or  
b) Take the battery to your nearest Makita Authorized Service Center or Distributor that has been designated as a Makita battery recycling location.

*Call your nearest Makita Service Center or Distributor to determine the location that provides Makita battery recycling. See your local Yellow Pages under "Tools-Electric".*



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## 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
- Various type of Makita genuine batteries and chargers



**Memo**

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**Makita U.S.A., Inc.**  
14930 Northam Street  
La Mirada, CA 90638-5753



Fold

# MAIL THIS PORTION

Your answers to the following questions are appreciated.

**1. This product was purchased from:**

- Home Center       Other (                  )  
 Hardware/Lumber Store  
 Tool Distributor  
 Industrial Supply  
 Construction Supply

**3. How did you learn about this product:**

- Magazine                       Radio  
 From Dealer                   Exhibition  
 Newspaper                    From Friend  
 Store Display                 Previous Usage  
 Catalog                         Other (                  )

**2. Use of the product is intended for:**

- Construction Trade  
 Industrial Maintenance  
 Home Maintenance  
 Hobby  
 Other (                  )

**4. Most favored points are:**

- Design                         Repair Service  
 Features                       Durability  
 Size                             Power  
 Price                           Other (                  )  
 Makita Brand

**5. Any comments:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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DATE PURCHASED			MODEL NO.			
MONTH	DAY	YEAR	SERIAL NO.			
<input type="text"/>	<input type="text"/>	<input type="text"/>				
INTL.	LAST NAME / COMPANY NAME				STATUS	SEX
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Married Single	M F
STREET ADDRESS						
CITY						
STATE	ZIP CODE		PHONE	AREA CODE	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
AGE:	<input type="checkbox"/> Under 19	<input type="checkbox"/> 20-29	<input type="checkbox"/> 30-39	<input type="checkbox"/> 40-49	<input type="checkbox"/> 50-60	<input type="checkbox"/> Over 60

BE SURE TO COMPLETE THE CUSTOMER'S PORTION OF THIS FORM AND RETAIN FOR YOUR RECORDS.

**Please return this portion by facsimile or mail.**

Facsimile No: (714) 522-8133

# FACTORY SERVICE CENTERS

1-800-4-MAKITA

RETAIN THIS PORTION FOR YOUR RECORDS

**ARIZONA**

3707 E. Broadway Rd., Ste. 6  
Phoenix, AZ 85040  
(602) 437-2850

**CALIFORNIA**

41850 Christy Street  
Fremont, CA 94538-5107  
(510) 657-9881

14930 Northam Street  
La Mirada, CA 90638-5753  
(714) 522-8088

4191A Power Inn Rd.  
Sacramento, CA 95826  
(916) 454-4768

7674 Clairemont Mesa Blvd.  
San Diego, CA 92111  
(858) 278-4471

16735 Saticoy St., Ste. 105  
Van Nuys, CA 91406  
(818) 782-2440

**COLORADO**

11809 E. 51st Ave.  
Denver, CO 80239-2709  
(303) 371-2850

**FLORIDA**

750 East Sample Road  
Pompano Beach, FL 33064  
(954) 781-6333

**GEORGIA**

4680 River Green Parkway NW  
Duluth, GA 30096  
(770) 476-8911

**ILLINOIS**

1450 Feehanville Dr.  
Mt. Prospect, IL 60056-6011  
(847) 297-3100

**MARYLAND**

7397 Washington Blvd Ste 104  
Elkridge, MD 21075  
(410) 476-4401

**MASSACHUSETTS**

232 Providence Highway  
Westwood, MA 02090  
(781) 461-9754

**MINNESOTA**

6427 Penn Ave. South  
Richfield, MN 55423  
(612) 869-5199

**MISSOURI**

9876 Watson Road  
St. Louis, MO 63126-2221  
(314) 909-9889

**NEBRASKA**

4129 S. 84th Street  
Omaha, NE 68127  
(402) 597-2925

**NEVADA**

3375 S. Decatur Blvd.  
Suites. 22 - 24  
Las Vegas, NV 89102  
(702) 368-4277

**NEW JERSEY**

251 Herrod Blvd.  
Dayton, NJ 08810-1539  
(609) 655-1212

**NEW YORK**

4917 Genessee Street  
Cheektowaga, NY 14225  
(716) 685-9503

**OREGON**

828 19th Ave., N.W.  
Portland, OR 97209  
(503) 222-1823

**PENNSYLVANIA**

1904 Babcock Boulevard  
Pittsburgh, PA 15209  
(412) 822-7370

**PUERTO RICO**

200 Guayama Street  
Hato Rey, PR 00917  
(787) 250-8776

**TENNESSEE**

1120 Elm Hill Pike Suite 170  
Nashville, TN 37210  
(615) 248-3321

**TEXAS**

12801 Stemmons Fwy. Ste. 809  
Farmers Branch, TX 75234  
(972) 243-1150

4321 W. Sam Houston Pkwy  
Suite 130  
Houston, TX 77043  
(713)983-8034

3453 IH-35 North, Ste. 101  
San Antonio, TX 78219  
(210) 228-0676

**WISCONSIN**

Lincoln Plaza Shopping Ctr.  
2245 S. 108th Street  
West Allis, WI 53227  
(414) 541-4776

**CUSTOMER'S RECORD**

<p><b>When you need service:</b> Send complete tool (prepaid) to one of the Makita Factory Service Centers listed, or to an Authorized Makita Service Center. Be sure to attach a letter to the outside of the carton detailing the problem with your tool.</p>	Date Purchased
	Dealer's Name & Address
	Model No.
	Serial No.

# WARNING

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

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

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

## MAKITA LIMITED ONE YEAR WARRANTY

### Warranty Policy

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

This Warranty does not apply where:

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

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

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

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

**Makita Manufacturing Europe Ltd**

Hortonwood 7 Telford, Shropshire, TF1 7YX, England