



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HITACHI DS14DFL. You'll find the answers to all your questions on the HITACHI DS14DFL in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HITACHI DS14DFL  
User guide HITACHI DS14DFL  
Operating instructions HITACHI DS14DFL  
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Instruction manual HITACHI DS14DFL

## HITACHI

Model  
Modèle  
Modelo

DS 14DFL · DS 18DFL

Cordless Driver Drill  
Perceuse-visseuse sans fil  
Taladro atornillador a batería



DS18DFL

### SAFETY INSTRUCTIONS AND INSTRUCTION MANUAL

#### ⚠ WARNING

**IMPROPER OR UNSAFE** use of this power tool can result in death or serious bodily injury!  
This manual contains important information about product safety. Please read and understand this manual **BEFORE** operating the power tool. Please keep this manual available for other users and owners before they use the power tool. This manual should be stored in safe place.

### INSTRUCTIONS DE SECURITE ET MODE D'EMPLOI

#### ⚠ AVERTISSEMENT

Une utilisation **INCORRECTE OU DANGEREUSE** de cet outil motorisé peut entraîner la mort ou de sérieuses blessures corporelles!  
Ce mode d'emploi contient d'importantes informations à propos de la sécurité de ce produit. Prière de lire et de comprendre ce mode d'emploi **AVANT** d'utiliser l'outil motorisé. Garder ce mode d'emploi à la disponibilité des autres utilisateurs et propriétaires avant qu'ils utilisent l'outil motorisé. Ce mode d'emploi doit être conservé dans un endroit sûr.

### INSTRUCCIONES DE SEGURIDAD Y MANUAL DE INSTRUCCIONES

#### ⚠ ADVERTENCIA

¡La utilización **INAPROPIADA O PELIGROSA** de esta herramienta eléctrica puede resultar en lesiones de gravedad o la muerte!  
Este manual contiene información importante sobre la seguridad del producto. Lea y comprenda este manual **ANTES** de utilizar la herramienta eléctrica. Guarde este manual para que puedan leerlo otras personas antes de utilizar la herramienta eléctrica. Este manual debe ser guardado en un lugar seguro.

Hitachi Koki



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**Manual abstract:**

@@@This manual should be stored in safe place. @@Most accidents that result from power tool operation and maintenance are caused by the failure to observe basic safety rules or precautions. An accident can often be avoided by recognizing a potentially hazardous situation before it occurs, and by observing appropriate safety procedures. Basic safety precautions are outlined in the "SAFETY" section of this Instruction Manual and in the sections which contain the operation and maintenance instructions. Hazards that must be avoided to prevent bodily injury or machine damage are identified by WARNINGS on the power tool and in this Instruction Manual. NEVER use this power tool in a manner that has not been specifically recommended by HITACHI.

MEANINGS OF SIGNAL WORDS WARNING indicates a potentially hazardous situations which, if ignored, could result in death or serious injury.

CAUTION indicates a potentially hazardous situations which, if not avoided, may result in minor or moderate injury, or may cause machine damage.

GENERAL SAFETY RULES WARNING: Read all instructions Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings listed below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAVE THESE INSTRUCTIONS 1) Work area safety a) Keep work area clean and well lit. cluttered or dark areas invite accidents. B) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust of fumes. C) Keep children and bystanders away while operating a power tool.

Distractions can cause you to lose control. 2) Electrical safety a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. unmodified plugs and matching outlets will reduce risk of electric shock.

B) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock. d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. damaged or entangled cords increase the risk of electric shock. E) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

Personal safety a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury. Always wear eye protection. Safety equipment such as dust mask, nonskid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries. c) Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents. D) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

This enables better control of the power tool in unexpected situations. f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

G) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust-related hazards. Power tool use and care a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

B) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired. C) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally. D) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users. e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. B) Many accidents are caused by poorly maintained power tools.

f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control. g) Use the power tool , accessories and tool bits etc. , in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could result in a hazardous situation. Battery tool use and care a) Ensure the switch is in the off position before inserting battery pack. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack. C) Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire. D) 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. E) 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 a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained. WARNING To reduce the risk of injury, user must read instruction manual. Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended --for example-- don't use circular saw for cutting tree limbs or logs.

NEVER use a power tool for applications other than those specified. NEVER use a power tool for applications other than those specified in the Instruction Manual.



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Do not drop or throw the tool. NEVER allow the tool to be operated by children, individuals unfamiliar with its operation or unauthorized personnel. Do not use power tools if the plastic housing or handle is cracked. cracks in the tool's housing or handle can lead to electric shock. Such tools should not be used until repaired. Blades, cutting implements and accessories which have been mounted to the tool should be secure and tight. NEVER use a tool which is defective or operating abnormally. If the tool appears to be operating unusually, making strange noises, or otherwise appears defective, stop using it immediately and arrange for repairs by a Hitachi authorized service center.

Carefully handle power tools. Should a power tool be dropped or struck against hard materials inadvertently, it may be deformed, cracked, or damaged. Do not wipe plastic parts with solvent. solvents such as gasoline, thinner benzene, carbon tetrachloride, and alcohol may damage and crack plastic parts. Do not wipe them with such solvents. Wipe plastic parts with a soft cloth lightly dampened with soapy water and dry thoroughly. 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.

**SPECIFIC SAFETY RULES AND SYMBOLS** 1. Hold tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator. 2. ALWAYS wear ear protectors when using the tool for extended periods.

Prolonged exposure to high intensity noise can cause hearing loss. NEVER place hands or other body parts near the drill bit or chuck during operation. hold the drill by its handle only. Because the cordless driver drill operates by battery power, be aware of the fact that it can begin to operate at any time. When working at elevated locations, clear the area of all other people and be aware of conditions below you.

NEVER touch moving parts. NEVER place your hands, fingers or other body parts near the tool's moving parts. NEVER operate without all guards in place. NEVER operate this tool without all guards or safety features in place and in proper working order. If maintenance or servicing requires the removal of a guard or safety feature, be sure to replace the guard or safety feature before resuming operation of the tool. Definitions for symbols used on this tool V.

**IMPORTANT SAFETY INSTRUCTIONS FOR BATTERY CHARGER WARNING:** Death or serious bodily injury could result from improper or unsafe use of battery chargers. To avoid these risks, follow these basic safety instructions: **READ ALL INSTRUCTIONS** 1. This manual contains important safety and operating instructions for battery charger Model UC18YGL. 2.

Before using battery charger, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery. Other type of batteries may burst causing personal injury and damage. Do not expose battery charger to rain or snow. Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, electric shock, or injury to persons. 6. To reduce risk of damage to electric plug and cord, pull by plug when disconnecting battery charger. 7. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress. 8. An extension cord should not be used unless absolutely necessary.

Use of improper extension cord could result in a risk of fire and electric shock. If extension cord must be used make sure: a. That blades of extension cord are the same number, size, and shape as those of plug on battery charger; b. that extension cord is properly wired and in good electrical condition; and c. Follow these instructions to avoid the risk of injury: **WARNING: Improperly in red, pull out the plug from the receptacle and check if the battery is properly mounted.**

Disconnect battery charger from the receptacle. Consult your electrician. Using the charger in this condition may lead to fire. If the charge status lamp is blinking red rapidly (in 0. remove any obstructions.

Return both to your place of purchase. If the problem persists, call for repairs. Purchase a new battery.

Remove the battery from the charger when not in use. How to make the batteries perform longer. Recharge the batteries before they become completely exhausted. When you feel that the power of the tool becomes weaker, stop using the tool and recharge its battery. If you continue to use the tool and exhaust the electric current, the battery may be damaged and its life will become shorter. If such a battery is recharged immediately after use, its internal chemical substance will deteriorate, and the battery life will be shortened. Leave the battery and recharge it after it has cooled for a while.

**BEFORE USE** Check the work area to make sure that it is clear of debris and clutter. Clear the area of unnecessary personnel. Using the hook (Hook with bit holder) **WARNING:** When using the hook, pay sufficient attention so that the main equipment does not fall. If the tool falls, there is a risk of accident.

**CAUTION:** Do not attach the tip tool except Phillips bit to the tool main unit when carrying the tool main unit with the hook suspended from a waist belt. Injury may result if you carry the equipment suspended from the waist belt with sharp tipped components such as drill bit attached. The hook can be installed on the right or left side and the angle can be adjusted in 5 steps between 0° and 80°. (1) Operating the hook (a) Pull out the hook toward you in the direction of arrow (A) and turn in the direction of arrow (B) (Fig. (2) Switching the hook position **CAUTION:** If the tool falls, there is a risk that malfunction and/or physical damage can occur. It is recommended that you also use fall-preventing wires, etc.

Incomplete installation of the hook may result in bodily injury when used. (a) Securely hold the main unit and remove the screw using a slotted head screwdriver or a coin (Fig. 7 (c) Install the hook and spring on the other side and securely fasten with screw (Fig. Install the spring with larger diameter away from you (Fig. 8).

(1) Removing the bit Securely hold the main unit and pull out the bit by holding the tip with your thumb (Fig. Screw Larger diameter faces away Fig.



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8 2. Using the bit holder (Hook with bit holder) Installing the bit Slide the bit from the side, and then insert firmly until the groove on the bit locks in the protruded section of the hook. Removing the bit Securely hold the main unit and pull out the bit by holding the tip with your thumb (Fig. 10) (2) Installing the Bit Install the bit with steps opposite of when removing. Insert the bit so that the right and left sides are equal, as shown in Fig. Insert so that bit does not protrude from main unit Fig. Firmly grasp the ring and tighten the sleeve by turning it toward the right (in the clockwise direction as viewed from the front) (See Fig. Do not use other bits since they may come loose. If the tool is used with the bit stowed improperly, the bit may fall and cause bodily injury. Do not stow bits that are of a different length, gauge or dimension than the plus driver bit (65 mm long) included in the STANDARD ACCESSORIES. (2) Dismounting the bit Firmly grasp the ring and loosen the sleeve by turning it toward the left (in the counterclockwise direction as viewed from the front) (See Fig. If the sleeve is not tight, the bit may slip or fall out, causing injury. NOTE: Loosening stuck or hard to move sleeves.

Finally, rotate the sleeve to the left, and it will loosen. Speed is low when the trigger switch is pulled slightly and increases as the trigger switch is pulled more. When the shift knob is set to "LOW", the drill rotates at a low speed. When a large force is required for operation (operations indicated in the following chart) set the shift knob to "LOW". If "HIGH" is set and the unit is used, it may cause the motor to burn out or malfunction prematurely. The rotational speed of the drill can be controlled by varying the amount that the trigger switch is Table 4 Model Metal Drilling Wood Drilling Wood Screw Tightening DS14DFL

When the size of the wood screw exceeds 3/16" (4. When the size of the wood screw exceeds 5/32" (3. The tightening torque of this unit can be adjusted according to the clutch dial position, at which the clutch dial is set. 16) Rotate the clutch dial and line up the numbers "1, 3, 5, . 22" on the clutch dial, or the dot, with the triangle mark on the outer body.

Adjust the clutch dial in the weak or the strong torque direction according to the torque you need. mark Fig. 16 (1) When using this unit as a screwdriver, line up the one of the numbers "1, 3, 5, . 22" on the clutch dial, or the black dot, with the triangle mark on the outer body. (2) When using this unit as a drill, line up the clutch dial drill mark " " with the triangle mark on the outer body.

CAUTION: The clutch dial cannot be set between the numbers "1, 3, 5, . 22" or the black dot. Do not use with the clutch dial set at the line between the number "22" and the drill mark " ". Doing so may cause damage (See Fig. 17).

Mark Triangle mark CAUTION: The motor rotation may be locked to cease while the unit is used as drill. While operating the driver drill, take care not to lock the motor. When setting the shift knob to "HIGH" (high speed) and the position of the clutch dial is "17" to "22", it may happen that the clutch does not engage and that the motor is locked. in such a case, please set the shift knob to "LOW" (low speed). If the motor is locked, immediately turn the power off. If the motor is locked for a while, the motor or battery may be burnt. Too long hammering may cause the screw broken due to excessive tightening. A buzzing noise is produced when the motor is about to rotate; This is only a noise, not a machine failure. to extend the lifetime, the lithium-ion battery equips with the protection function to stop the output. Therefore, if the tool is overloaded, the motor may stop.

However, this is not the trouble but the result of protection function. In this case, release the switch of tool and eliminate the causes of overloading. (1) Tightening torque Tightening torque should correspond in its intensity to the screw diameter. When too strong power is used, the screw head may be broken or be injured. Be sure to adjust the clutch dial position according to the screw diameter. (2) Tightening torque indication (See Fig. 16) The tightening torque differs depending on the type of screw and the material being tightened. The unit indicates the tightening torque with the numbers "1, 3, 5. THE SCOPE AND

SUGGESTIONS FOR USES Table 5 Work Wood Drilling Steel Aluminum Screw tightening Machine screw Wood screw 1 22 1 Use the bit and socket matching the screw diameter. (459 kg-cm) (DS18DFL) NOTE: The selected content shown in Table 4 indicates the differences according to screw type, screw size and material used.

@@@If the motor is locked, immediately turn the power off. @@Do not tighten too strongly as the screw heads will be damaged. CAUTION: Pull out battery before doing any inspection or maintenance. 1. @@If worn or broken bits can slip or decrease the efficiency of the motor and burn it out. replace worn bits with new ones. CAUTION: If you use a driver bit of which point is worn or broken, it will be dangerous since it slips. So replace it with a new one. Regularly inspect them and make sure they are tight. CAUTION: Using this power tool with loosened, screws is extremely dangerous. 3. Check for Dust Dust may be removed with a soft cloth or a cloth dampened with soapy water. Do not use bleach, chlorine, gasoline or thinner, for they may damage the plastics. At the end of it's useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal. Storage Storing in a place below 104°F (40°C) and out of the reach of children. Service and repairs All quality power tools will eventually require servicing or replacement of parts because of wear from normal use. To assure that only authorized replacement parts will be used, all service and repairs must be performed by a HITACHI AUTHORIZED SERVICE CENTER, ONLY. 7. Service parts list CAUTION: Repair, modification and inspection of Hitachi Power Tools must be carried out by a Hitachi Authorized Service Center.

This Parts List will be helpful if presented with the tool to the Hitachi Authorized Service Center when requesting repair or other maintenance. In the operation and maintenance of power tools, the safety regulations and standards prescribed in each country must be observed. MODIFICATIONS: Hitachi Power Tools are constantly being improved and modified to incorporate the latest technological advancements. Accordingly, some parts may be changed without prior notice. WARNING: ALWAYS use Only authorized HITACHI replacement parts and accessories. NEVER use replacement parts or accessories which are not intended for use with this tool. Contact HITACHI if you are not sure whether it is safe to use a particular replacement part or accessory with your tool.



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*The use of any other attachment or accessory can be dangerous and could cause injury or mechanical damage. NOTE: Accessories are subject to change without any obligation on the part of the HITACHI. NOTE: Specifications are subject to change without any obligation on the part of the HITACHI.*



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