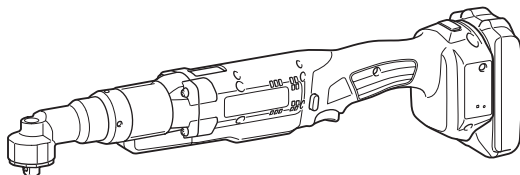
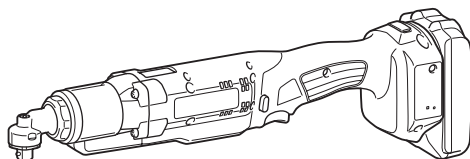


INSTRUCTION MANUAL



# Cordless Angle Screwdriver

**DFL126F**  
**DFL303F**  
**DFL404F**



Read before use.

# SPECIFICATIONS

Model:		DFL126F	DFL303F	DFL404F
Fastening torque	Hard joint	5 - 12 N•m	10 - 30 N•m	20 - 40 N•m
	Soft joint	5 - 12 N•m	10 - 30 N•m	20 - 40 N•m
Square drive		9.5 mm		
No load speed (RPM) <sup>*1</sup>		75 - 1,000 min <sup>-1</sup>	50 - 420 min <sup>-1</sup>	50 - 310 min <sup>-1</sup>
Rated voltage		D.C. 18 V		
Overall length (Depending on the battery)	with BL1815N	408 mm	456 mm	
	with BL1860B	426 mm	472 mm	
Net weight		1.7 - 2.0 kg	2.1 - 2.4 kg	
Applicable USB cable		661432-2		

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Specifications may differ from country to country.
- The weight may differ depending on the attachment(s), including the battery cartridge. The lightest and heaviest combinations, according to EPTA-Procedure 01/2014, are shown in the table.
- <sup>\*1</sup> No load speed is adjustable with exclusive application.

## Applicable battery cartridge and charger

Battery cartridge	BL1815N / BL1820B / BL1830B / BL1840B / BL1850B / BL1860B
Charger	DC18RC / DC18RD / DC18RE / DC18SD / DC18SE / DC18SF / DC18SH / DC18WC

- Some of the battery cartridges and chargers listed above may not be available depending on your region of residence.

**⚠ WARNING: Only use the battery cartridges and chargers listed above.** Use of any other battery cartridges and chargers may cause injury and/or fire.

## Symbols

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



Read instruction manual.



Only for EU countries

Due to the presence of hazardous components in the equipment, waste electrical and electronic equipment, accumulators and batteries may have a negative impact on the environment and human health. Do not dispose of electrical and electronic appliances or batteries with household waste!

In accordance with the European Directive on waste electrical and electronic equipment and on accumulators and batteries and waste accumulators and batteries, as well as their adaptation to national law, waste electrical equipment, batteries and accumulators should be stored separately and delivered to a separate collection point for municipal waste, operating in accordance with the regulations on environmental protection.

This is indicated by the symbol of the crossed-out wheeled bin placed on the equipment.

## Intended use

The tool is intended for screw driving in wood, metal and plastic.

## Noise

The typical A-weighted noise level determined according to EN62841-2-2:

### Model DFL126F

Sound pressure level ( $L_{pA}$ ) : 79 dB (A)  
Uncertainty (K) : 3 dB (A)

### Model DFL303F

Sound pressure level ( $L_{pA}$ ) : 75 dB (A)  
Uncertainty (K) : 3 dB (A)

### Model DFL404F

Sound pressure level ( $L_{pA}$ ) : 78 dB (A)  
Uncertainty (K) : 3 dB (A)

The noise level under working may exceed 80 dB (A).

**NOTE:** The declared noise emission value(s) has been measured in accordance with a standard test method and may be used for comparing one tool with another.

**NOTE:** The declared noise emission value(s) may also be used in a preliminary assessment of exposure.

**⚠ WARNING:** Wear ear protection.

**⚠ WARNING:** The noise emission during actual use of the power tool can differ from the declared value(s) depending on the ways in which the tool is used especially what kind of workpiece is processed.

**⚠ WARNING:** Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

## Vibration

The vibration total value (tri-axial vector sum) determined according to EN62841-2-2:

### Model DFL126F

Work mode: screwdriving without impact  
Vibration emission ( $a_{hv}$ ): 2.5 m/s<sup>2</sup> or less  
Uncertainty (K): 1.5 m/s<sup>2</sup>

### Model DFL303F

Work mode: screwdriving without impact  
Vibration emission ( $a_{hv}$ ): 2.5 m/s<sup>2</sup> or less  
Uncertainty (K): 1.5 m/s<sup>2</sup>

### Model DFL404F

Work mode: screwdriving without impact  
Vibration emission ( $a_{hv}$ ): 2.5 m/s<sup>2</sup> or less  
Uncertainty (K): 1.5 m/s<sup>2</sup>

**NOTE:** The declared vibration total value(s) has been measured in accordance with a standard test method and may be used for comparing one tool with another.

**NOTE:** The declared vibration total value(s) may also be used in a preliminary assessment of exposure.

**⚠ WARNING:** The vibration emission during actual use of the power tool can differ from the declared value(s) depending on the ways in which the tool is used especially what kind of workpiece is processed.

**⚠ WARNING:** Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

## Declarations of Conformity

### For European countries only

The Declarations of conformity are included in Annex A to this instruction manual.

# SAFETY WARNINGS

## General power tool safety warnings

**⚠ WARNING** Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

## Save all warnings and instructions for future reference.

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

### Work area safety

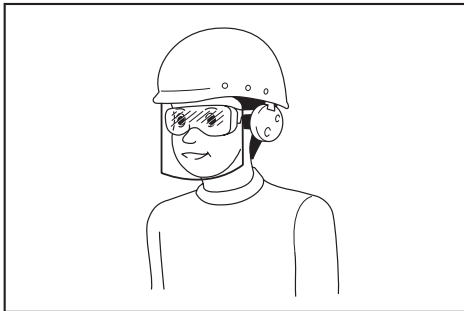
1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

### Electrical safety

1. **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.
2. **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.
3. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **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.
5. **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.
6. **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.
7. **Power tools can produce electromagnetic fields (EMF) that are not harmful to the user.** However, users of pacemakers and other similar medical devices should contact the maker of their device and/or doctor for advice before operating this power tool.

## Personal safety

1. **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.
2. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
3. **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.
4. **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.
5. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
6. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
7. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
8. **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.
9. **Always wear protective goggles to protect your eyes from injury when using power tools. The goggles must comply with ANSI Z87.1 in the USA, EN 166 in Europe, or AS/NZS 1336 in Australia/New Zealand. In Australia/New Zealand, it is legally required to wear a face shield to protect your face, too.**



It is an employer's responsibility to enforce the use of appropriate safety protective equipments by the tool operators and by other persons in the immediate working area.

## Power tool use and care

1. **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.
2. **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.
3. **Disconnect the plug from the power source and/or remove the battery pack, if detachable, 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.
4. **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.
5. **Maintain power tools and accessories. 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.
6. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. **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.
8. **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.
9. **When using the tool, do not wear cloth work gloves which may be entangled.** The entanglement of cloth work gloves in the moving parts may result in personal injury.

## Battery tool use and care

1. **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.
2. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
3. **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.
4. **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.

5. **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
6. **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.
7. **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

#### Service

1. **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.
2. **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.
3. **Follow instruction for lubricating and changing accessories.**

### Cordless screwdriver safety warnings

1. **Hold the 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.
2. **Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.**
3. **Hold the tool firmly.**
4. **Keep hands away from rotating parts.**
5. **Do not touch the bit or the workpiece immediately after operation; they may be extremely hot and could burn your skin.**
6. **Always secure workpiece in a vise or similar hold-down device.**
7. **Make sure there are no electrical cables, water pipes, gas pipes etc. that could cause a hazard if damaged by use of the tool.**

### 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.

### 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 or tamper with the battery cartridge.** It may result in a fire, excessive heat, or explosion.
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 and use 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. **Do not nail, cut, crush, throw, drop the battery cartridge, or hit against a hard object to the battery cartridge.** Such conduct may result in a fire, excessive heat, or explosion.
9. **Do not use a damaged battery.**
10. **The contained lithium-ion batteries are subject to the Dangerous Goods Legislation requirements.**

For commercial transports e.g. by third parties, forwarding agents, special requirement on packaging and labeling must be observed.

For preparation of the item being shipped, consulting an expert for hazardous material is required. Please also observe possibly more detailed national regulations.

Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging.
11. **When disposing the battery cartridge, remove it from the tool and dispose of it in a safe place. Follow your local regulations relating to disposal of battery.**
12. **Use the batteries only with the products specified by Makita.** Installing the batteries to non-compliant products may result in a fire, excessive heat, explosion, or leak of electrolyte.

13. If the tool is not used for a long period of time, the battery must be removed from the tool.
14. During and after use, the battery cartridge may take on heat which can cause burns or low temperature burns. Pay attention to the handling of hot battery cartridges.
15. Do not touch the terminal of the tool immediately after use as it may get hot enough to cause burns.
16. Do not allow chips, dust, or soil stuck into the terminals, holes, and grooves of the battery cartridge. It may cause heating, catching fire, burst and malfunction of the tool or battery cartridge, resulting in burns or personal injury.
17. Unless the tool supports the use near high-voltage electrical power lines, do not use the battery cartridge near high-voltage electrical power lines. It may result in a malfunction or breakdown of the tool or battery cartridge.
18. Keep the battery away from children.

## SAVE THESE INSTRUCTIONS.

**CAUTION:** Only use genuine Makita batteries. Use of non-genuine Makita batteries, or batteries that have been altered, may result in the battery bursting causing fires, personal injury and damage. It will also void the Makita warranty for the Makita tool and charger.

## 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. When not using the battery cartridge, remove it from the tool or the charger.
5. Charge the battery cartridge if you do not use it for a long period (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.

## Installing or removing battery cartridge

**CAUTION:** Always switch off the tool before installing or removing of the battery cartridge.

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

To install the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Insert it all the way until it locks in place with a little click. If you can see the red indicator as shown in the figure, it is not locked completely.

To remove the battery cartridge, slide it from the tool while sliding the button on the front of the cartridge.

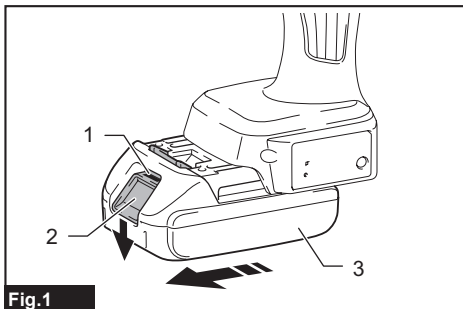


Fig.1

► 1. Red indicator 2. Button 3. Battery cartridge

**CAUTION:** Always install the battery cartridge fully until the red indicator cannot be seen. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.

**CAUTION:** Do not install the battery cartridge forcibly. If the cartridge does not slide in easily, it is not being inserted correctly.

## Indicating the remaining battery capacity

### Only for battery cartridges with the indicator

Press the check button on the battery cartridge to indicate the remaining battery capacity. The indicator lamps light up for a few seconds.

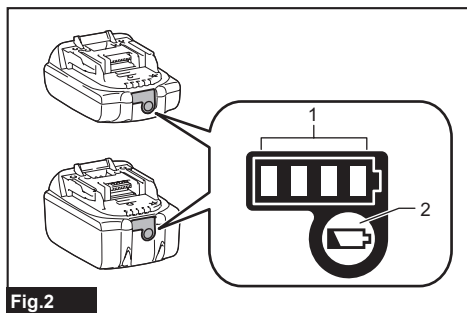


Fig.2

► 1. Indicator lamps 2. Check button

Indicator lamps			Remaining capacity
Lighted	Off	Blinking	
■	□	▧	75% to 100%
■ ■ ■ ■			
■ ■ ■ □			50% to 75%
■ ■ □ □			25% to 50%
■ □ □ □			0% to 25%
▧ □ □ □			Charge the battery.
■ ■ □ □			The battery may have malfunctioned.
□ □ ■ ■	↑ ↓		

**NOTE:** Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.

**NOTE:** The first (far left) indicator lamp will blink when the battery protection system works.

## Tool / battery protection system

The tool is equipped with a tool/battery protection system. This system automatically cuts off power to the motor to extend tool and battery life. The tool will automatically stop during operation if the tool or battery is placed under one of the following conditions.

### Overload protection

When the tool/battery is operated in a manner that causes it to draw an abnormally high current, the tool stops automatically. In this situation, turn the tool off and stop the application that caused the tool to become overloaded. Then turn the tool on to restart.

### Overheat protection

When the tool/battery is overheated, the tool stops automatically. In this situation, let the tool/battery cool before turning the tool on again.

### Overdischarge protection

When the battery capacity is not enough, the tool stops automatically. In this case, remove the battery from the tool and charge the battery.

### Protections against other causes

Protection system is also designed for other causes that could damage the tool and allows the tool to stop automatically. Take all the following steps to clear the causes, when the tool has been brought to a temporary halt or stop in operation.

1. Turn the tool off, and then turn it on again to restart.
2. Charge the battery(ies) or replace it/them with recharged battery(ies).
3. Let the tool and battery(ies) cool down.

If no improvement can be found by restoring protection system, then contact your local Makita Service Center.

### Switch action

**⚠ WARNING:** Before installing 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. Release the switch trigger to stop.

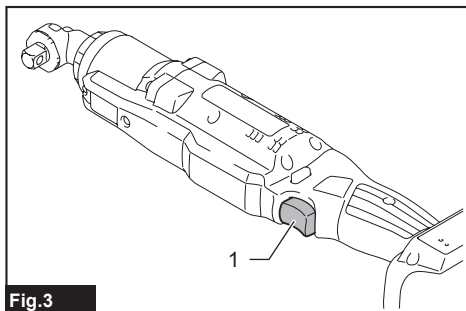


Fig.3

► 1. Switch trigger

## Accidental restart prevention function

If you install the battery cartridge while pulling the switch trigger, the tool does not start. To start the tool, release the switch trigger, and then pull the switch trigger again.

## Operating the reversing switch

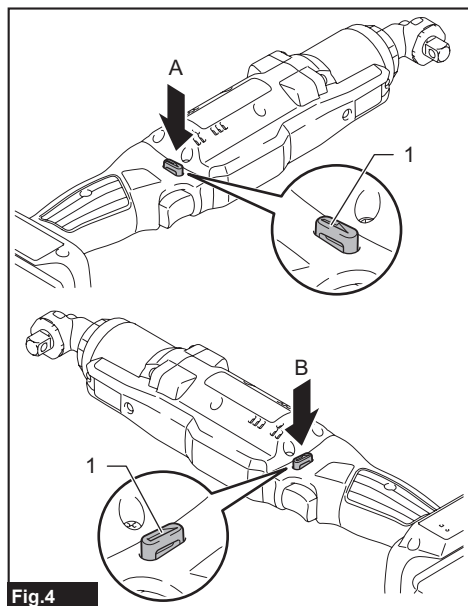


Fig.4

▶ 1. Reversing switch lever

**CAUTION:** Always check the direction of rotation before operation.

**CAUTION:** 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.

**CAUTION:** When not operating the tool, always set the reversing switch lever to the neutral position.

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.

## Lighting the front lamp

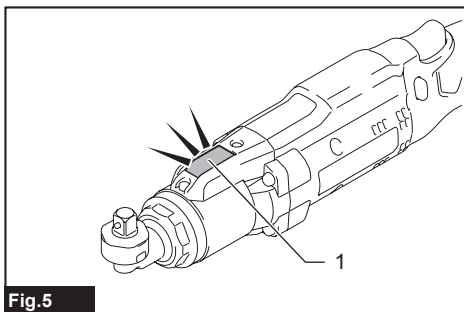


Fig.5

▶ 1. Lamp

**CAUTION:** Do not look in the light or see the source of light directly.

Pull the switch trigger to light up the lamp. The lamp keeps on lighting while the switch trigger is being pulled. The lamp goes out approximately 10 seconds after releasing the switch trigger.

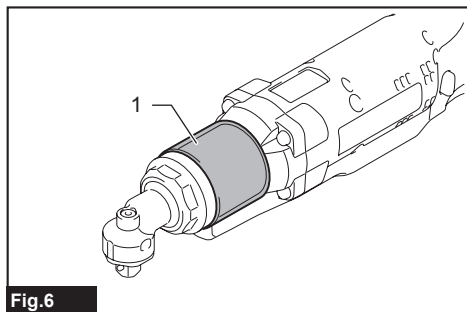
**NOTE:** Use a dry cloth to wipe the dirt off the lens of the lamp. Be careful not to scratch the lens of the lamp, or it may lower the illumination.

## Electric brake

This tool is equipped with an electric brake. If the electric brake is active but the tool consistently fails to quickly stop after the switch trigger is released, have the tool serviced at a Makita service center.

**NOTE:** An electric brake function can be activated or deactivated in application preferences. For detailed information, refer to the instruction manual supplied with the application software designed for this tool.





**Fig.6**

► 1. LED indicator

LED indicator / Beeper on the tool shows the following functions.

Function	Status of the tool	Status of the LED indicator/beeper		Action to be taken
		LED indicator	Beeper	
Check of the LED indicator, lamp and beeper operation	When the battery cartridge is installed, the tool checks for its LED indicator, lamp and beeper.	Lights up first in green, next red. (And then the lamp comes on.)	A series of very short beeps.	–
Detection of switch trigger operation when installing battery	When the battery cartridge is installed with the switch trigger pulled, the tool stops to avoid unintentional start.	Blinks in red and green alternatively.	A series of short beeps.	Release the switch trigger.
Auto-stop with fastening completion	The tool setting has been achieved and the tool has stopped.	Lights up in green for approximately one second.	–	–
Alarm against insufficient fastening	The tool has not completed the tool setting because the switch trigger has released before reaching the set values. Otherwise, the settings of "Failure Criteria for Phase" have been achieved.	Lights up in red.	A long beep.	Retighten the screw.
Intermission between the phases	The tool is in the intermitting period configured by the setting of "Shift to the next Phase".	Lights up or blinks in green (depending on settings)	–	–
Double-hitting detection	When the operator starts to re-fasten an already-fastened screw, the tool detects it and stops.	Lights up in red.	A long beep.	–
Alarm for low battery capacity	The battery power became low and it is time to replace the battery cartridge.	Blinks in red slowly.	A series of long beeps.	Replace the battery with a fully charged one.
Auto-stop with low remaining battery capacity	The battery power is almost used up and the tool stopped.	Lights up in red.	A long beep.	Replace the battery with a fully charged one.
Anti-reset of controller	The battery voltage dropped abnormally for some reason, and the tool stopped.	Blinks in red and green alternatively.	A series of short beeps.	Replace the battery with a fully charged one.

Function	Status of the tool	Status of the LED indicator/beeper		Action to be taken
		LED indicator	Beeper	
Overload protection	An abnormally high current continued to flow through the controller and the tool stopped.	Blinks in red and green alternatively.	A series of short beeps.	Remove the cause of overload and restart the tool. If no improvement is found, ask your local Makita Service Center for repair.
Overheat protection	The motor or the controller heated up abnormally and the tool stopped.	Blinks in red quickly.	A series of short beeps.	Remove the battery cartridge immediately and allow the tool to cool down.
Failure to detect heat of motor	The detection unit of the motor fails to detect the heat because the cord has broken or other reasons.	Blinks in red quickly.	A series of short beeps.	Remove the battery cartridge and allow the tool to cool down. If the indicator does not stop, ask your local Makita Service Center for repair.
Motor or controller failure detection	Motor or controller failure has been detected. At this time, tool does not work.	Blinks in red and green alternatively.	A series of short beeps.	Ask your local Makita Service Center for repair.
Maintenance alarm	A maintenance time has come according to your preset number of screws driven.	Blinks in yellow.	–	Reset the alarm with the application software.
Alarm for unavailable data communication (with the tool in connection with PC)	Data cannot be exchanged between the tool and PC in spite of the connection.	Blinks in yellow.	–	Restart the application software and re-connect the USB cable.
Indication that data communication is available (with the tool in connection with PC)	The tool is connected to PC and data communication is available.	Blinks in green.	–	–

## Adjusting the fastening torque

**CAUTION:** When adjusting the fastening torque, be sure to remove the battery cartridge except in the steps where the battery cartridge is installed. There is a risk of injury due to the activation of the tool.

When you wish to drive machine screws, hex bolts, etc. with the predetermined torque, adjust the fastening torque as follows.

1. First remove the battery cartridge from the tool.
2. Loosen and remove the screw that secures the lens and lamp cover.

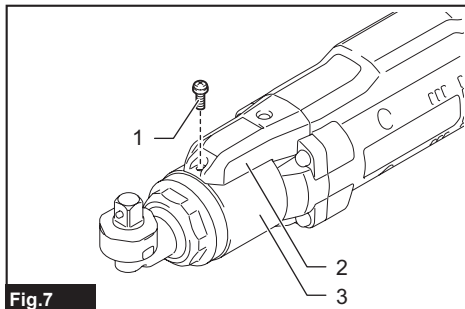


Fig.7

- 1. Screw 2. Lamp cover 3. Lens

3. Rotate the lens by hand to align its opening with that in the clutch housing so that the clutch can be seen.

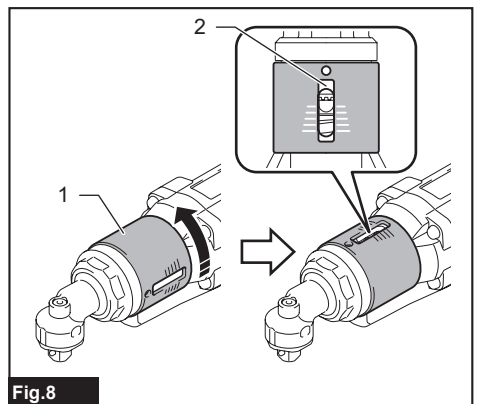


Fig.8

- 1. Lens 2. Clutch

4. Install the battery cartridge in place. Pull the switch trigger and release it so that the adjust ring rotates and the hole in the clutch becomes visible. Then, remove the battery cartridge.

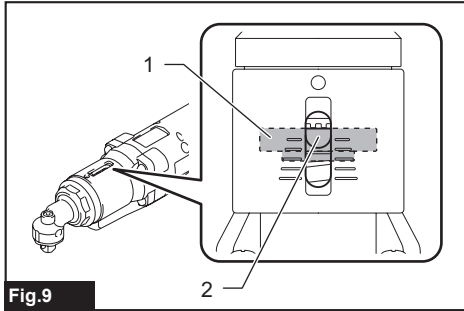


Fig.9

- 1. Adjust ring 2. Hole in the clutch

5. Use an optional adjust grip to adjust the fastening torque. Insert the pin of the adjust grip into the hole in the clutch. Then, turn the adjust grip clockwise to set a greater fastening torque, and counterclockwise to set a smaller fastening torque.

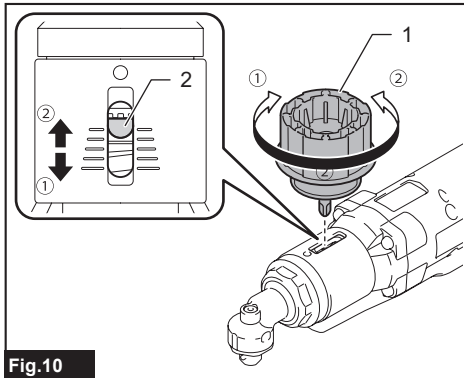


Fig.10

- 1. Adjust grip 2. Hole in the clutch

6. Insert the battery cartridge and use the fastening torque tester to check if the fastening torque is set correctly.

**CAUTION:** Remove the adjust grip before turning the tool on.

7. After adjusting the fastening torque, remove the battery.  
8. Rotate the lens back in position to align the screw holes and tighten the screw to secure the lens and lamp cover.

## Adjusting no-load speed and revolution angle etc.

You can adjust the no-load speed, number of turns, etc. of the tool with your computer. Install the application software on your computer and connect the tool to the computer with a USB cable.

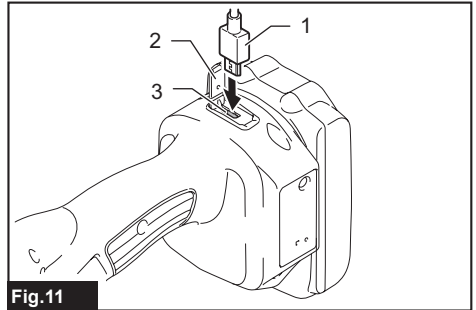


Fig.11

- 1. USB cable 2. USB cover 3. USB port

**NOTICE:** Make sure that the USB cover is closed when operating the tool.

**NOTE:** Use the Makita genuine USB cable to connect your computer to the tool. Refer to the section "SPECIFICATIONS".

**NOTE:** For the application software, please contact a Makita sales representative.

## 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.

**CAUTION:** Make sure that all attachments and accessories are installed securely as instructed in the manual. Failure to do so may cause the attachments and accessories to become too loose or to fall, resulting in injury or damage to the tool.

### Selecting correct socket

There are different types of sockets for some models depending on applications. Choose and install a correct socket for your application.

## Installing or removing socket

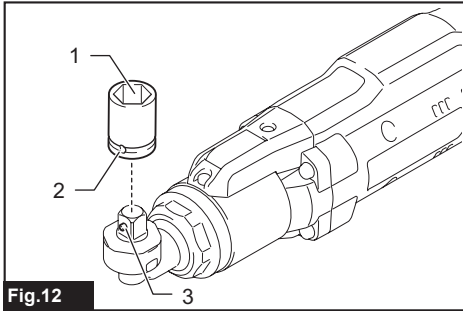


Fig.12

► 1. Socket 2. Hole 3. Pin

To install the socket, push it onto the square drive of the tool with one hand by depressing the pin on the square drive with the other hand until it locks into place. To remove the socket, simply pull it off depressing the pin on the square drive.

**CAUTION:** Before operation, make sure that the socket is properly locked onto the square drive. Incomplete attachment of the socket may cause injury.

## Installing hook

*Optional accessory*

**CAUTION:** Use the hanging/mounting parts for their intended purposes only. Using for unintended purposes may cause accident or personal injury.

The hook is convenient for temporarily hanging the tool. The hook can be installed in two positions on top of the tool handle. To install the hook, widen the arms of the hook and insert the arm ends into holes in the tool housing. To remove the hook, widen the arms of the hook and pull the arm ends out from the holes in the tool housing.

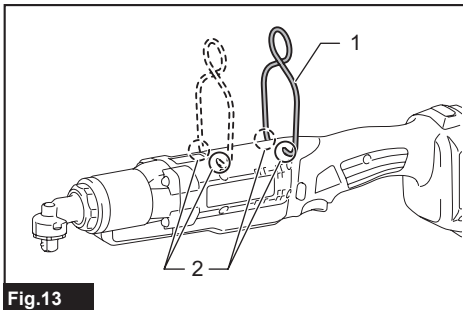


Fig.13

► 1. Hook 2. Holes

## Adjusting the angle of the head

**CAUTION:** Be sure to tighten the lock nut or lock sleeve to the torque specified in the instruction. The head may come off and cause injury.

Head angle can be adjusted in 45° intervals.

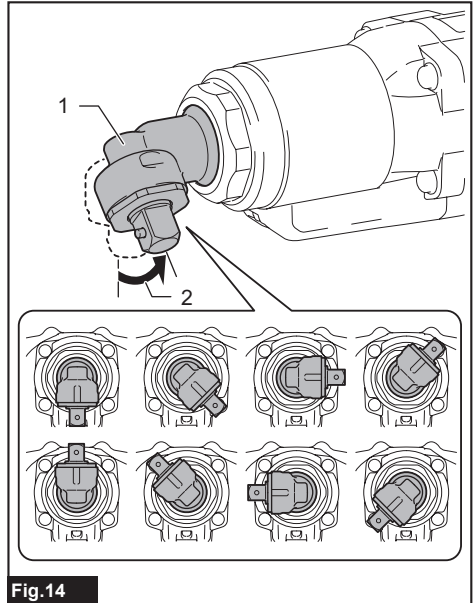


Fig.14

► 1. Head 2. 45° intervals

## DFL126F

1. Loosen the lock nut by turning it counterclockwise, as shown in the figure, using a wrench.

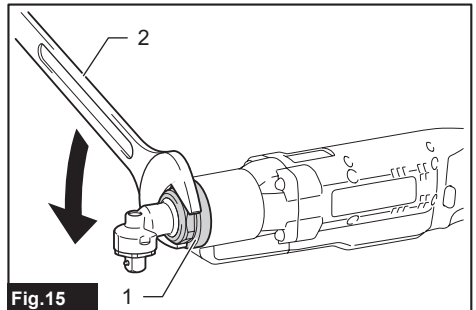


Fig.15

► 1. Lock nut 2. Wrench

- Adjust the head to the desired angle in 45° intervals.

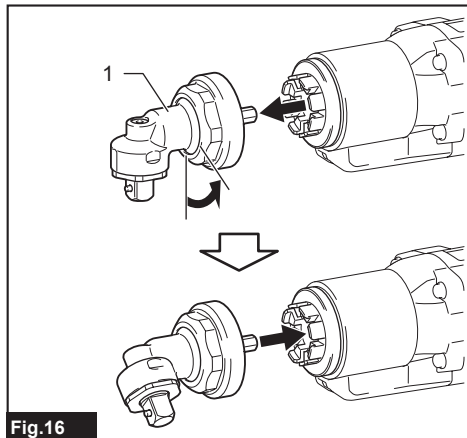


Fig.16

- Head

- Secure the lock nut by turning it clockwise, as shown in the figure, using a wrench. (10 - 15 N•m)

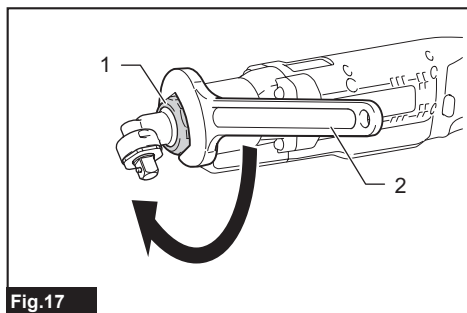


Fig.17

- Lock nut
- Wrench

## DFL303F/DFL404F

- Loosen the lock sleeve by turning it counterclockwise, as shown in the figure, using a hook wrench.

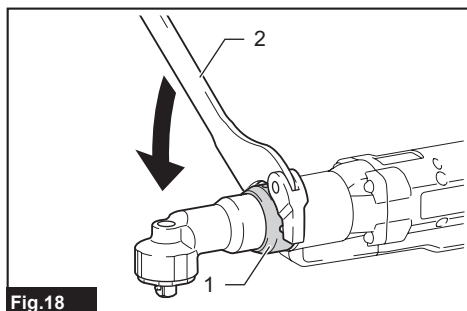


Fig.18

- Lock sleeve
- Hook wrench

- Adjust the head to the desired angle in 45° intervals.

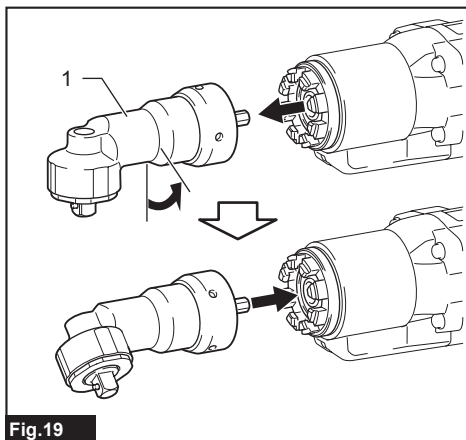


Fig.19

- Head

- Secure the lock sleeve by turning it clockwise, as shown in the figure, using a hook wrench. (20 - 25 N•m)

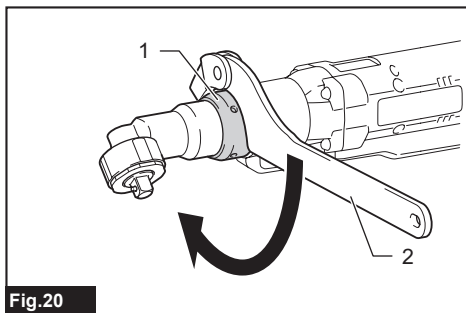


Fig.20

- Lock sleeve
- Hook wrench

## OPERATION

Hold the tool firmly and place the socket over the bolt or nut. Then switch the tool on. When the clutch activates, the motor will stop automatically. Then release the switch trigger.

### DFL126F

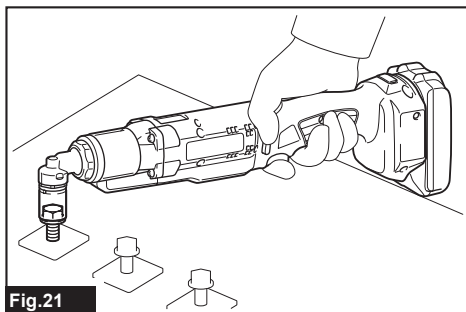


Fig.21

## DFL303F/DFL404F

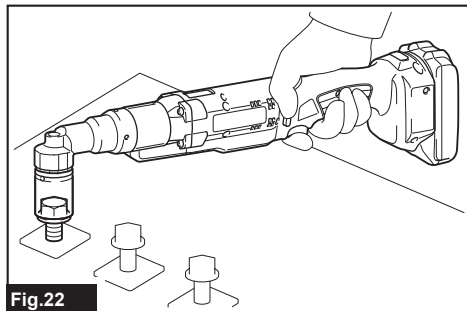


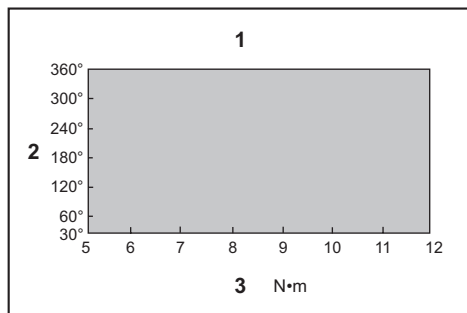
Fig.22

**NOTE:** Hold the tool with its square drive pointed straight at the bolt or nut, or the bolt or nut will be damaged.

### Limits of fastening capacity

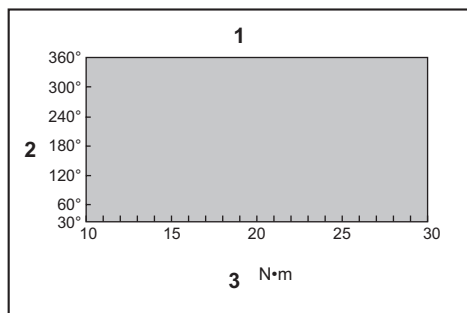
Use the tool within the limits of fastening capacity. If you use the tool beyond the limits, the clutch does not work. And the tool cannot deliver enough fastening torque.

#### For model DFL126F



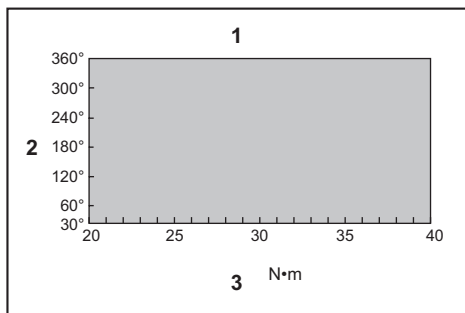
1. Range of fastening capacity 2. Rotation angle  
3. Torque

#### For model DFL303F



1. Range of fastening capacity 2. Rotation angle  
3. Torque

#### For model DFL404F



1. Range of fastening capacity 2. Rotation angle  
3. Torque

**NOTE:** The rotation angle is the angle from the point that the bolt is tightened in 50% of desired torque to the point that the bolt is tightened in 100% torque.

**NOTE:** This reference value is measured by the measurement conditions specified by Makita.

**NOTE:** Use of a cold battery cartridge may give warning for battery capacity by LED indicator and beeper and stop the tool immediately, even if it is fully charged. In this case, the fastening capacity may be inferior to the specification on this manual.

## MAINTENANCE

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

**NOTICE:** 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 or Factory 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.

- Makita genuine battery and charger
- Protector (Yellow, Blue, Red, Clear, Green)
- Adjust grip
- Spindle complete
- USB cable
- Hook

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

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