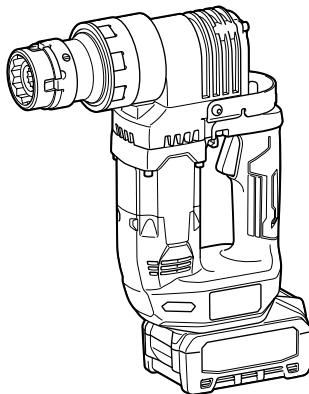
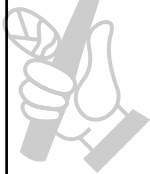




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WT001G



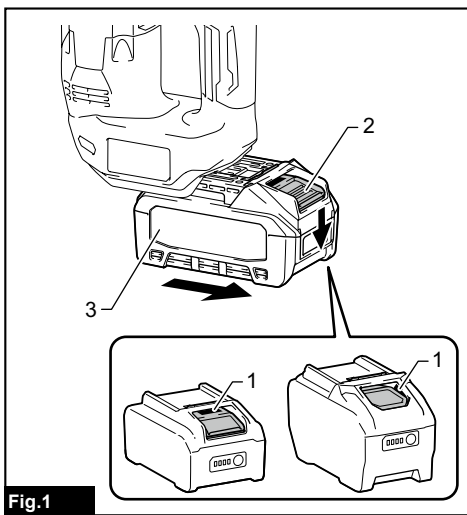


Fig.1

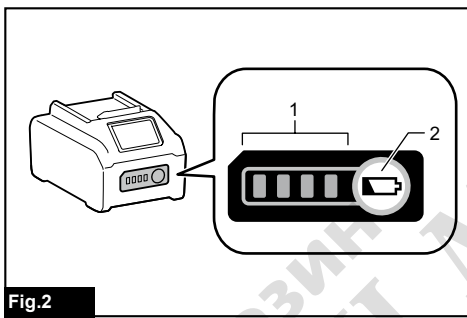


Fig.2

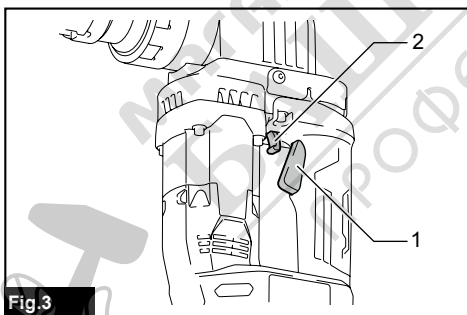


Fig.3

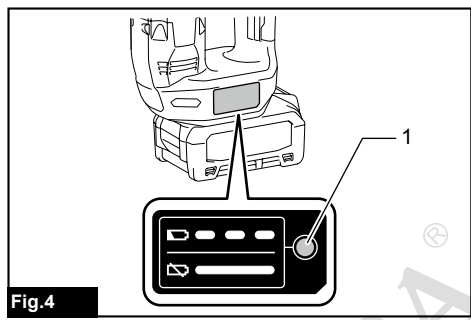


Fig.4

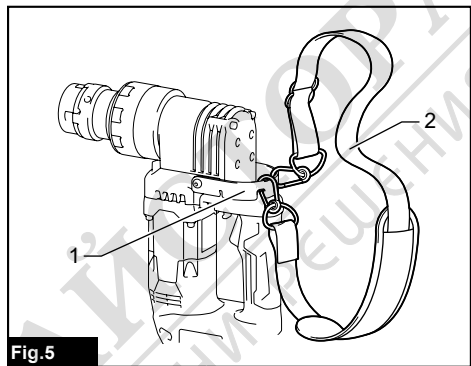


Fig.5

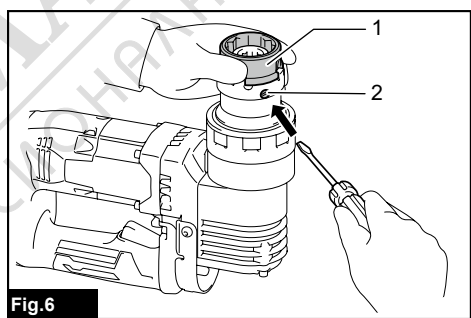


Fig.6

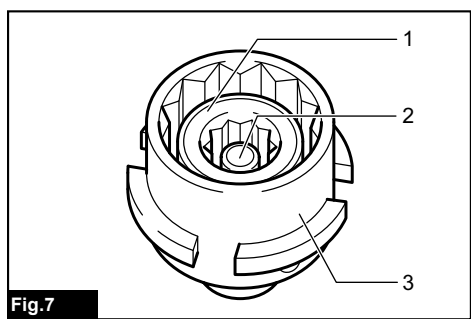
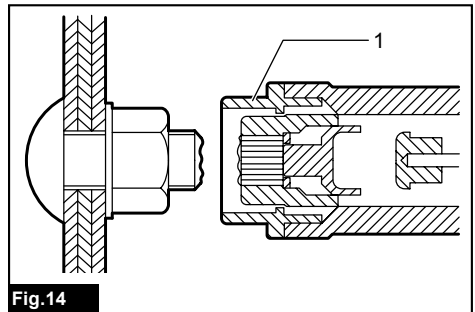
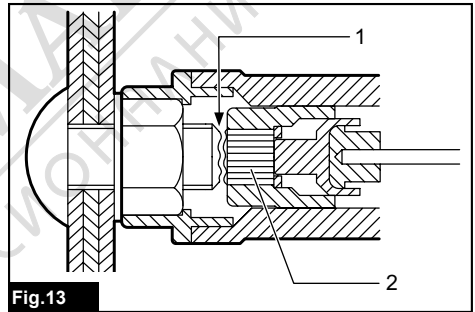
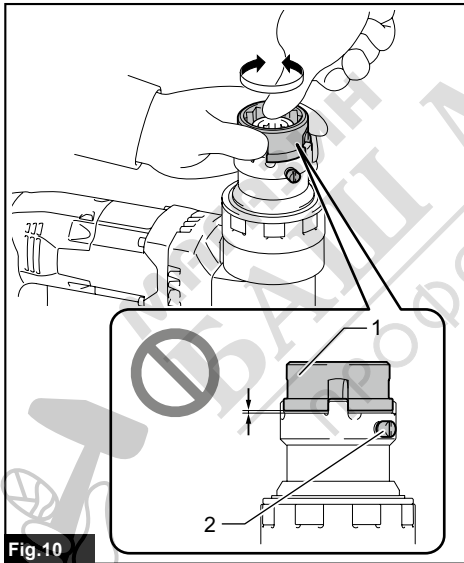
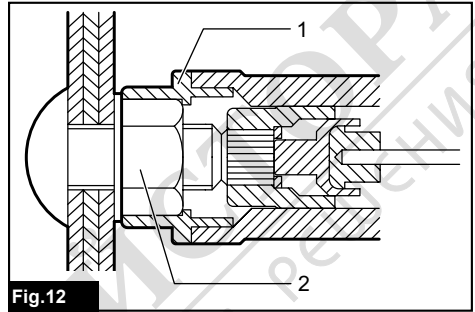
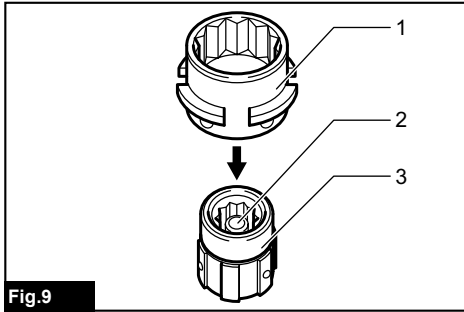
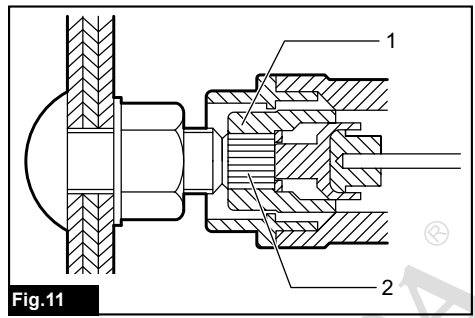
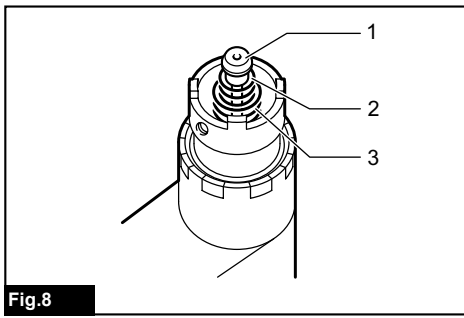


Fig.7



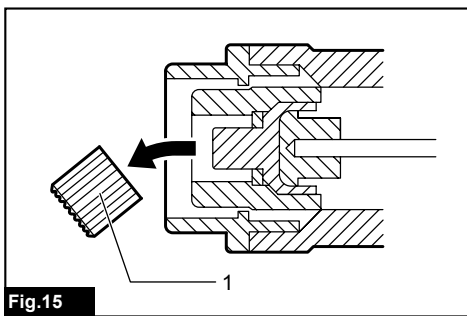


Fig.15

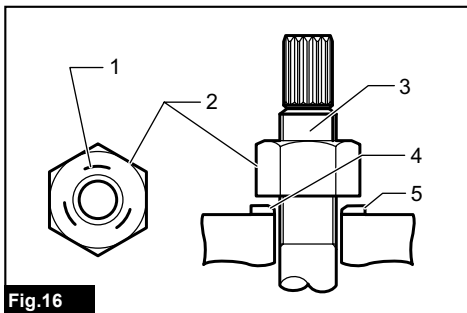


Fig.16

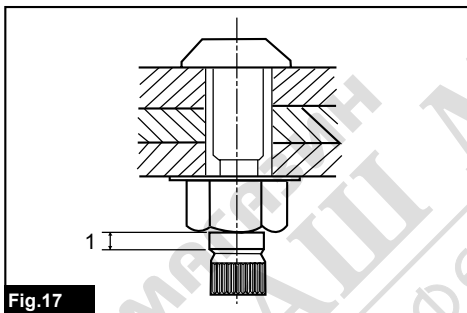


Fig.17



SPECIFICATIONS

Model:	WT001G
Bolt size	M16, M20, M22
Maximum torque	804 N•m
No load speed (RPM)	17 min ⁻¹
Overall length (with BL4050F)	289 mm
Rated voltage	D.C. 36 V - 40 V max
Net weight	5.2 - 5.9 kg

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Specifications and battery cartridge may differ from country to country.
- 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.

Applicable battery cartridge and charger

Battery cartridge	BL4020/BL4025*/BL4040*/BL4040F*/BL4050F* * : Recommended battery
Charger	DC40RA / DC40RB / DC40RC

- 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.

Intended use

The tool is intended for fastening "tor-shear type" high tensile bolts.

Noise

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

Sound pressure level (L_{pA}) : 82 dB (A)

Sound power level (L_{WA}) : 90 dB (A)

Uncertainty (K) : 3 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:

Work mode: screwdriving without impact

Vibration emission (a_h) : 2.5 m/s² or less

Uncertainty (K) : 1.5 m/s²

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.

Cordless Shear Wrench 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. **Before using power tool, make sure that the outer sleeve smoothly turns by hand. When it does not smoothly turn, never use it and ask Makita Authorized Service Center for check and repair.**
3. **When sheared bolt tip falls without pulling the eject lever, never use the tool and ask Makita Authorized Service Center for check and repair.**
4. **Always be sure you maintain good balance and firm footing. Be sure no one is below when using the tool in high or elevated locations.**
5. **Hold the tool firmly.**
6. **Use care and common sense when disposing of sheared bolt tips.** Dropping tips from high locations or scattered tips may cause severe injury.

7. **Do not attach the tool to your cloth or safety harness at high locations.**

⚠️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

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 or battery is operated in a manner that causes it to draw an abnormally high current, the tool automatically stops without any indication. 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 or battery is overheated, the tool stops automatically. In this case, let the tool and 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.

When you pull the eject lever, the bolt tip is ejected from the tool.

► **Fig.3:** 1. Switch trigger 2. Eject lever

Battery power lamp

When the remaining battery capacity becomes low, the battery power lamp blinks. Charge the battery or replace the battery with fully charged one. When the remaining battery capacity becomes much lower, the tool stops and the battery power lamp lights up.

► **Fig.4:** 1. Battery power lamp

Hook

▲CAUTION: Be sure to attach the shoulder belt included in the tool as the standard accessory. Use the shoulder belt for carrying the tool, and never use the hook for other purposes such as the fall prevention at high location. If the hook is used for other purposes, excessive load may break them and cause serious injury to the operator and person around/underneath the operator.

▲CAUTION: When using shoulder belt, make sure that the hook is securely fixed to the tool. If the hook is loose, tighten the hook's screw to fix the hook.

▲CAUTION: When you attach the shoulder belt to the hook, be sure to attach it securely. If it is attached incompletely, the tool may come off and cause an injury.

▲CAUTION: When using shoulder belt, carefully inspect the hook for damage, cracks, or deformation.

▲CAUTION: When carrying the tool using the shoulder belt, be careful not to entangle the shoulder belt with your body or objects and not to hit objects with the tool. Failure to do so may cause an accident.

▲CAUTION: Remove the shoulder belt from the hook before operating the tool. Failure to do so may lose your balance at operation and cause an accident.

Attach the shoulder belt included in the tool as the standard accessory to the hook for carrying the tool. Remove the shoulder belt from the hook before operating the tool.

► **Fig.5:** 1. Hook 2. Shoulder belt

Electric brake

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

Accidental re-start preventive function

Even if you install the battery cartridge while pulling the switch trigger, the tool does not start.

To start the tool, first release the switch trigger and then pull the switch trigger.

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: Be sure to install accessories according to the instruction manual. Otherwise accessories may come off and cause injury.

Removing the outer and inner sleeves

CAUTION: Be careful not to allow foreign matter to enter the insides of the tool when removing or installing the outer and inner sleeves.

1. Loosen the two screws while holding the outer sleeve. The outer and inner sleeves will be pushed up by the springs built into the tool.

► Fig.6: 1. Outer sleeve 2. Screw

2. Press the pin down to remove the inner sleeve from the outer sleeve.

► Fig.7: 1. Inner sleeve 2. Pin 3. Outer sleeve

NOTICE: Be careful not to drop the inner sleeve when removing it.

NOTICE: Do not remove the tip rod, tip rod spring, and inner sleeve spring from the tool.

► Fig.8: 1. Tip rod 2. Tip rod spring 3. Inner sleeve spring

Installing the outer and inner sleeves

Place the inner sleeve with the pin facing upward. Attach the outer sleeve to the inner sleeve securely while pressing the pin of the inner sleeve.

► Fig.9: 1. Outer sleeve 2. Pin 3. Inner sleeve

Insert the outer and inner sleeves into the tool while rotating the inner sleeve clockwise and counterclockwise until the outer sleeve touches the tool. Tighten the two screws firmly.

► Fig.10: 1. Outer sleeve 2. Screw

NOTICE: Make sure that there is no gap between the outer sleeve and the tool.

OPERATION

CAUTION: Keep the bolt tips off of the ground, floor, walkways, etc. to prevent injury from tripping or falling.

1. Tighten bolts preliminarily by using a hand wrench.
2. Hold the tool firmly and place the inner sleeve over the bolt so that the inner sleeve completely covers the bolt tip.

► Fig.11: 1. Inner sleeve 2. Bolt tip

NOTICE: Be careful when fitting the sleeve onto the bolt tip. Striking the tip can damage it so that it will no longer fit inside the sleeve properly.

3. Push the tool lightly until the outer sleeve completely hold the nut. If the outer sleeve fails to hold the nut, rotate the tool clockwise or counterclockwise while pushing the tool lightly.

4. Pull the switch trigger. Then the outer sleeve rotates to tighten the nut.

► Fig.12: 1. Outer sleeve 2. Nut

NOTICE: Do not force the tool down excessively. Apply the downward force to the degree needed to stabilize the tool.

5. When the specified torque is attained, the bolt tip will be sheared at its notched portion. The bolt tip remains inside the inner sleeve.

► Fig.13: 1. Notched portion 2. Bolt tip

6. Release the switch trigger and withdraw the tool in a straight line.

► Fig.14: 1. Outer sleeve

7. Pull the eject lever to eject the bolt tip from the tool. Catch the sheared bolt tips to prevent them from falling.

► Fig.15: 1. Bolt tip

NOTICE: Washer and nut have head and tail. Head has identification mark for nut and chamfer for washer. When placing them, be careful not to place in reverse.

► Fig.16: 1. Identification mark 2. Nut 3. Bolt 4. Chamfered 5. Washer

NOTICE: Replace nut, bolt and washer all together at one time when these rotate together, nut rotates excessively or a bolt protrude from nut surface too much or less.

NOTICE: Do not reuse used nut, bolt and washer.

The range for the remaining length of bolts after cutting off the bolt tips are determined by bolt size. Refer to the table below and choose shear bolts according to the thickness of workpiece to be fastened.

Bolt size	Maximum remaining length	Minimum remaining length
M16	20 mm	4.5 mm
M20	15 mm	5.5 mm
M22	14 mm	7 mm

► Fig.17: 1. Remaining length

NOTICE: Use bolts with the remaining length within the range shown in the table above as bolts with different size have different maximum and minimum remaining length.

NOTICE: Be careful not to use bolts beyond the specified range which may cause the tool malfunction.

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.

- Outer sleeve
- Inner sleeve
- Makita genuine battery and charger

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

