Instruction Manual

Battery-operated Cutting Tool
RS-C6

Original instruction manual Ident-No.: 72126000-BA Stand: 12/2021 / Revision: 05/2026 ☐ RS-C6 Ma (suitable for Makita batteries LXT) ☐ RS-C6 Bo (suitable for Bosch batteries PRO) ☐ RS-C6 Hi (suitable for Hilti batteries CPC) ☐ RS-C6 HiN (suitable for Hilti batteries Nuron) ☐ RS-C6 Mi (suitable for Milwaukee batteries M18)	Holger Clasen GmbH & Co. KG Alsterdorfer Straße 228 22297 Hamburg, Germany Tel. +49 40 511 28-0 info@holger-clasen.de www.holger-clasen.de

Content

Thank you for placing your trust in us by purchasing this tool.

1 General Information

We hereby confirm that the tool described in this instruction manual complies with the basic safety and health requirements pursuant to the EC Machinery Directive 2006/42/EC, the EMC Directive 2014/30/EU and the RoHS Directive 2011/65/EU relating to electromagnetic compatibility.

Keep this instruction manual in a place that all users of the tool are familiar with and can access easily. Read this manual carefully before using, maintaining, repairing or disposing of the tool. Make sure that you clearly understand the instructions and symbols explained in this manual or attached to any tools.

You can prevent accidents by adhering to the following basic safety advice pursuant to the EC Machinery Directive 2006/42/EC and the regulations for hand-operated tools. In any case inform yourself about and comply with the accident prevention regulations applicable in your country.

Do not remove existing labels and stickers, especially those containing legally required information.

Upon receiving the tool, make sure that the packaging is intact and the tool did not suffer any transportation damage. In case of damage, please contact Holger Clasen GmbH & Co. KG`s customer service at +49 40 511 28-0. Keep the packaging.

1.1 Manufacturer’s Warranty

If operated correctly and if the required service intervals are adhered to, we grant a warranty of 24 months beginning as of the day of delivery unless legal regulations require other warranties.

1.2 Disclaimer of Warranty

The product is designed exclusively for the intended use described in this documentation. Provided that the technical specifications are complied with and the prescribed maintenance and servicing measures are carried out, the product is intended for reliable continuous operation.

Safe operation requires compliance with all safety, operating, and maintenance instructions as well as with all applicable statutory regulations.

Any use other than the intended use, overloading, improper handling, failure to perform required maintenance, or unauthorized modifications may, to the extent permitted by law, result in the exclusion of liability and warranty claims.

The product is subject to natural wear and tear. Wear parts are therefore excluded from warranty and guarantee coverage unless a verifiable material or manufacturing defect can be demonstrated.

1.3 Symbols

WARNING!

Danger of hand injuries

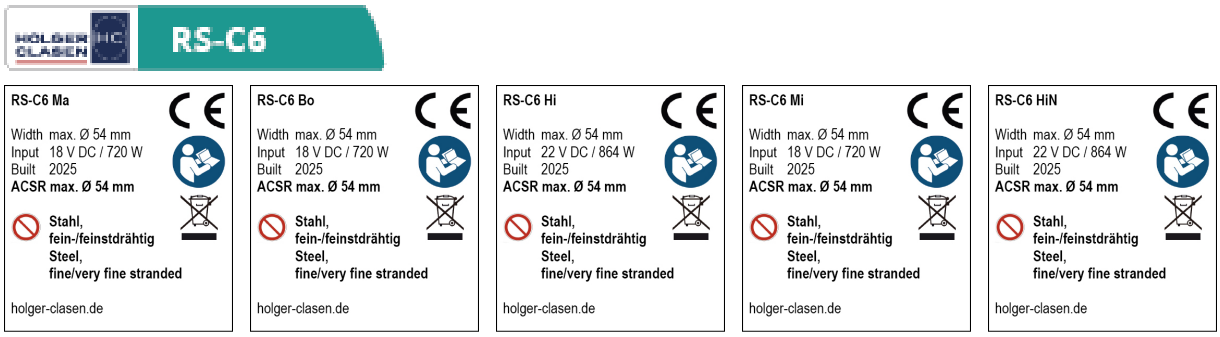
Please read the instruction manual

Please wear safety goggles

Please wear safety shoes

Please wear protective clothes

Don’t dispose of in residual waste



Serial No./Built: In the battery shaft/at the head

2 General Safety Information

⚠ WARNING

Danger due to overheating, breakage or electric shock of the battery.

The tool, the battery and the charger are matched components.

- ▶ This tool may only be operated with a suitable rechargeable battery.
- ▶ Charge the battery with the appropriate charger.
- ▶ Only use the original battery and charger.

Charge the battery in accordance with the instructions.

- ▶ Connect the charger to a power source with suitable power specifications.
- ▶ Do not use a DC or motor-driven generator.
- ▶ Unplug the charger after charging is complete.
- ▶ Do not use the charger in the rain.

Pay attention to the temperature of the battery, the charger and the environment.

- ▶ Do not charge the battery at temperatures below 0° or above +40° C.

Ensure sufficient ventilation of the battery during the charging process.

- ▶ Do not cover the battery and charger during charging.

Do not short-circuit the contact surfaces of the battery.

Failure to do so may result in bursting of the battery and leakage of hazardous materials.

- ▶ Secure the contact surfaces of the battery with the cover provided for this purpose.
- ▶ Do not store the battery without the cover together with metal parts such as nails, screws, etc.

Do not place the battery in a fire.

Failure to do so may result in bursting of the battery and leakage of hazardous materials.

Danger due to electric shock.
The tool is not insulated in contact with electrically charged parts.
- ▶ Never work live strands / cables!
- ▶ When using the device on or near live wires, wear suitable personal protective equipment
- ▶ Do not touch the power plug or the battery with wet hands.

Exposed working area.
Danger of hand injury.
- ▶ Never reach into the running tool.

Influence by electromagnetic waves
The functionality of pacemakers can be influenced by electromagnetic waves emitted.
- ▶ Keep the tool at least 15 cm or more away from the pacemaker.

Risk of injury to the hand
Prevent the tool from starting up unintentionally
- ▶ Always move the piston to the starting position after use or before changing parts and remove the battery.
- ▶ Keep your fingers away from the trigger when transporting the tool.
- ▶ Secure the trigger.

Danger due to inhalation of dust
Depending on work environment dust hazardous to health may be generated during machining.
- ▶ Wear a protective mask during dusty operation.

Danger of eye injuries
Material can fly around.
- ▶ Wear protective goggles. Normal goggles do not provide sufficient protection.

Danger to persons in the vicinity due to breakage
During operation, overload/material fatigue can cause damage to the head.
Parts flying around can cause injuries.
- ▶ Do not point the head of the tool at persons in your environment during operation.

Failure to observe the following instructions may result in property damage or accidents:

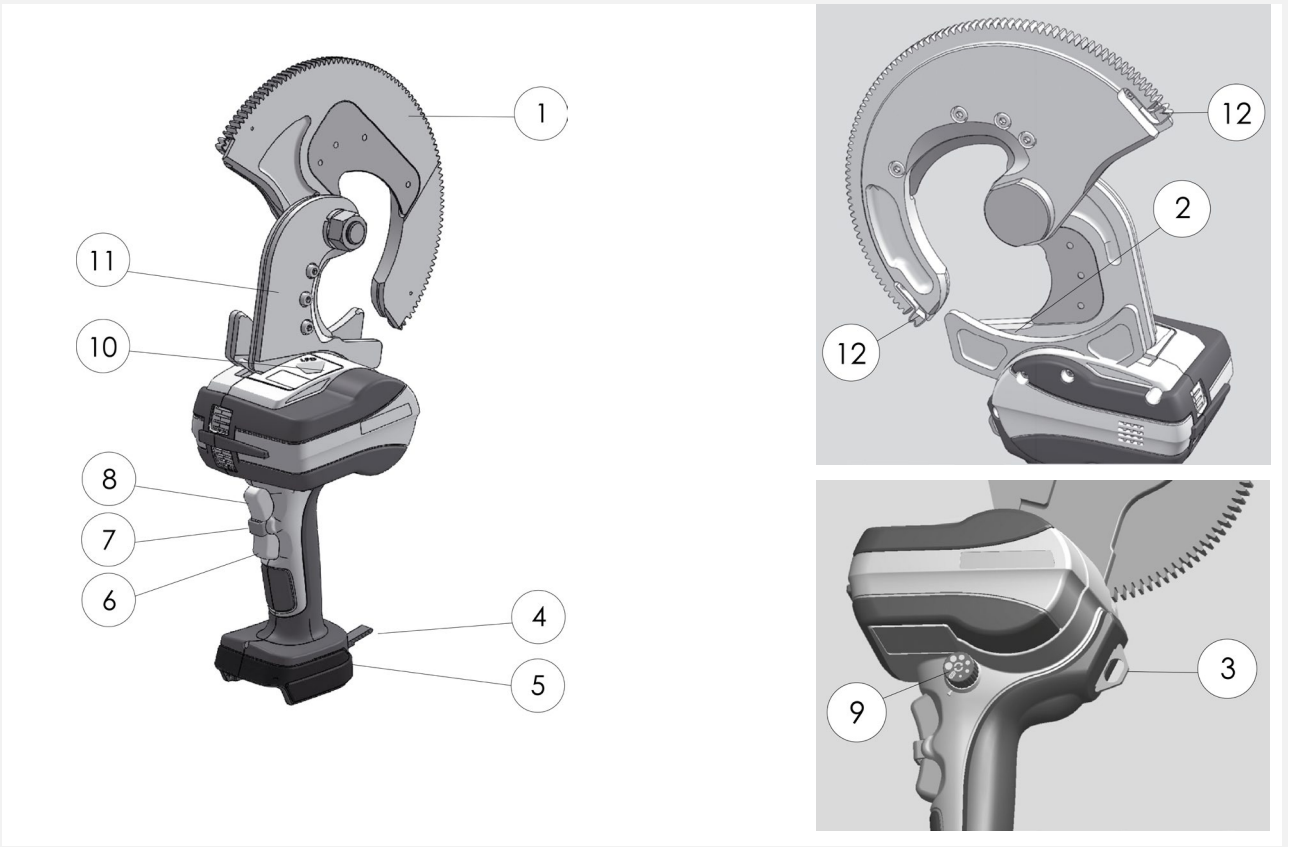
Use the tool within the scope of its intended use.
Do not overload the tool. Overloading can lead to blocking, excessive heat generation and ignition.

Keep handles and contact surfaces dry, clean and oil-free. Slippery surfaces reduce tool control and can lead to accidents in unexpected situations.

Refrain from any working method that could endanger safety.
Only use attachments and accessories for the work intended for them.
Do not make any modifications to the tool. Ensure a fatigue-free working position.

Remain attentive when working with high concentration.
Do not operate the tool if you are in poor physical condition.
Do not operate the tool under the influence of alcohol.
When using the device on or near live wires, wear suitable personal protective equipment.
Do not touch the power plug or the battery with wet hands.

3 Product Description



A1

A1: Description

1	movable Blade
2	Brush (Dirt Wiper)
3	Eyelet for Carrying Strap
4	Lash
5	Battery Holder
6	Return Button
7	Locking Device
8	Release Button
9	Adjustment Button Opening Width/manual or automatic Reverse
10	LED
11	Stationary Blade
12	Spring

3.1 Intended Use

This Battery-operated tool has been designed for cutting ACSR and overhead lines up to ∅ 54 mm according to the application table (chapter 4.1). For other applications, please contact Holger Clasen GmbH & Co. KG. The tool has been designed to be connected to an accumulator according to technical data.

Although this tool has been designed according to the state-of-the-art and recognized safety requirements, its use may constitute a potential threat to the life and limbs of its user or third parties or damage the tool or other material assets. Use or application for purposes other than those intended by the manufacturer will be considered improper. Holger Clasen GmbH & Co. KG will not be liable for damage resulting from improper use. The operator works at his own risk.

3.2 Expected misuse

This tool is not suitable for cutting high-tensile or hardened steel, which will damage and possibly break the knife. This tool is not suitable for cutting fine/very fine stranded conductors, this will cause the blades to jam.

3.3 Qualification

This tool may only be used by qualified personnel who have read this safety advice and instruction manual.

3.4 Operator Protection

Danger due to chips flying around.
Wear protective goggles.
Standard glasses do not provide sufficient protection and are no proper substitution for safety eyewear.

Danger of drawing in of clothes and hair.
Wear protective clothes.
Loose or baggy clothes increase the risk of catching or winding on moving parts.
- Wear tight-fitting work clothing.
- Do not wear long hair open. Wear it well covered.
- Do not wear rings, chains or other jewellery.

Risk of crushing/sliding.
Wear protective shoes.
Make sure to stand firmly.

3.5 Workplace

Do not use the tool in environments where there is a risk of fire or explosion.
Keep your workplace clean.

Keep children and unauthorized people away from your work environment.
Ensure that there is sufficient lighting at the workplace.

Before switching on the tool, make sure that no one is endangered
by the starting tool.
Protect the tool from moisture, water, extreme heat / cold, chemical solutions and gases.
Do not use the tool, the battery and the charger in the rain or in a wet environment or a wet environment. Do not charge the battery there either.
Protect the battery tool from falls or impacts.

3.6 Transport and Storage

Ensure dry storage to protect the tool from rust.
Clean the tool before / after use and before storage.
Secure the contact surfaces of the battery with the cover provided.

If the tool is transported to another factory department or location, make sure that the tool and/or accessories are not damaged. Pack the tool accordingly.

Store the tool properly when not in use.
Store the tool in a place inaccessible to unauthorized persons.

Do not store the tool and battery in a place where the temperature may rise to +40°C or more (in a metal box, in a car in summer, etc.). Overheating may cause damage, smoke generation or ignition.

⚠ **Due to the high energy density of rechargeable batteries, there is a higher risk potential, especially when shipping used rechargeable batteries.**

One of the greatest risk factors when transporting rechargeable batteries or battery-powered devices is the danger of short circuits if the battery terminals meet other rechargeable batteries, metal objects or other conductive material.

If the battery is inserted in the tool, the battery terminals are secured.

If they are stored separately or shipped individually, secure storage must be ensured. A possible short circuit and damage to the connection terminals must be prevented. For this purpose, the battery terminals must be secured with a non-conductive material (e.g. adhesive tape) or the contact protection cap. Batteries must be adequately protected against movement.

Special protective measures must be taken when shipping in airplanes or batteries over 100 Wh.

Notice IATA Packing instruction 965 Part 2 for lithium-ion-batteries. If package/battery is damaged, batteries must be quarantined, inspected and repacked.

Attention: Following the IATA Packing instructions batteries are delivered on 30 % charge level. Please completely charge the battery before usage with the recommended battery charger.

Observe the manufacturer delivery information (download):

Makita:

https://www.holger-clasen.de/bl1850b-makita-akku-lithium-ionen-18-v/79300115

Bosch:

https://www.holger-clasen.de/en/bosch-battery-lithium-ion-18-v/79300122

4 Technical Data

Item	RS-C6
Opening Width	54 mm
Battery Voltage	18 V / Hilti (Hi/HiN): 22 V
Weight*	4.8 kg
Dimensions* L x W x H	117 x 240 x 356 mm
Head	Closed, Ratchet principle
Sound Pressure Level L_{pa}	80.681 dB(A)
Sound Power Level L_{WA}	91.681 dB(A)
$Vibration_{ah}$ Handle	0.217 m/s²
Uncertainty K	0.004 m/s²

* without battery

MasterBase technology offers the following battery options:

Item	Item No.	Suitable for batteries
RS-C6 Ma	72026000	Makita 18 V Li-Ionen LXT
RS-C6-Set Ma **	72126000	Makita 18 V Li-Ionen LXT
RS-C6 Bo	72068400	Bosch 18 V Li-Ionen PRO
RS-C6-Set Bo ***	72168400	Bosch 18 V Li-Ionen PRO
RS-C6 Hi	72066000	Hilti 22 V Li-Ionen CPC
RS-C6 HiN	72070700	Hilti 22 V Li-Ionen Nuron
RS-C6 Mi	72069300	Milwaukee 18 V Li-Ionen M18

****Scope of Delivery Set:**

RS-C6 Ma (Item No. 72026000),
Li-Ion Battery Makita BL1850B, 18 V / 5 Ah (Item No. 79300115),
Battery Charger DC18RC (Item No. 79300120)
Transportation Case KOFF-K m RS-C (Item No. 79500129)

***Scope of Delivery Set:

RS-C6 Bo (Item No. 72068400),
Bosch Li-Ion Battery PRO GBA 18V 5.0 Ah (Item No. 79300122),
Bosch Battery Charger PRO GAL 1880CV (Item No. 79300123),
Transportation Case KOFF-K m RS-C (Item No. 79500129)

Noise information and vibration values in accordance with EN 62841-1

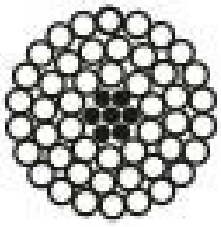
The sound pressure and vibration values given in these instructions were measured in accordance with a standardized test and can be used to compare one power tool with another. They can also be used for a preliminary assessment of exposure.

The data given represent the main applications of the power tool. However, if the power tool is used for different applications, with different accessory tools, or is poorly maintained, the data can vary. This can significantly increase exposure over the total working period.

An accurate estimation of exposure should also take into account the times when the tool is switched off, or when it is running but not actually being used for a job. This can significantly reduce exposure over the total working period.

Identify additional safety measures to protect the operator from the effects of noise and/or vibration, for example: maintaining the power tool and accessory tools, keeping the hands warm, organization of work patterns.

4.1 Cutting Range Table

Anwendung **Application**	**Max. Schneiddurchmesser** ***Max. Cutting Diameter***	
Al/St-Seil ACSR	∅ 54 mm (St-Anteil/*part*: 70 mm^2, 435/55; 550/70; 1045/45)	

5 Commissioning

The tool set includes a tool, a battery and a matching charger.

Charge the battery using only this charger.
Fully charge the battery before using it for the first time.
Make sure that the accumulator is charged before each use.
Reload if necessary.

Observe the manufacturer manuals (Download):

Makita:

https://www.holger-clasen.de/bl1850b-makita-akku-lithium-ionen-18-v/79300115

https://www.holger-clasen.de/en/dc18rc-makita-quick-charger/79300120

Bosch:

https://www.holger-clasen.de/en/bosch-battery-lithium-ion-18-v/79300122

https://www.holger-clasen.de/en/bosch-quick-charger/79300123

6 Operation

⚠ WARNING

Exposed Cutting Blades.
Danger of hand injuries.
▶ Never reach into the running tool.

This tool is not suitable for cutting high-tensile or hardened steel, which will damage and possibly break the knife. This tool is not suitable for cutting fine/very fine stranded conductors, this will cause the blades to jam.

6.1 LED-Workplace Illumination

The LED for working field illumination switches on after the forward or reverse switch is actuated and remains lit until 10 seconds after the switch is released.

⚠ WARNING

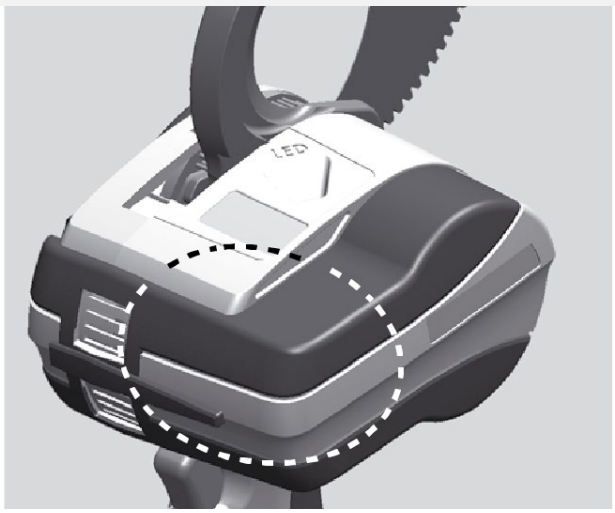
Very bright light source.
Danger due to damage to the eyes during prolonged eye contact.
▶ Do not look directly into the LED.

B1

B1: Press the lock (7) and the advance switch (8).
The LED for work area illumination switches on.
The LED lights up for 10 seconds after the switch is released.

Low battery capacity alarm: The LED flashes 5 times when the advance switch is pressed if the battery capacity is insufficient.
Charge the battery or replace it with a charged battery.

6.2 Overload protection



C1

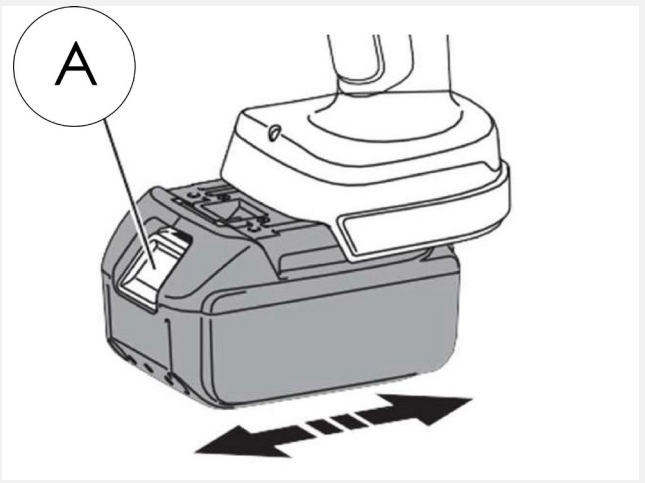
WARNING
NOT suitable for continuous use. The motor overheats when working in series (marked area). Allow the tool to cool down for a few minutes in good time.

The overload protection can also be triggered during intended use. Factors such as operating temperature, cable length, cable bending, and others influence the performance of the tool.

If the LED light blinks 6 times or more, it is a circuit board error display.
Please contact your dealer.

6.3 Inserting / removing the battery

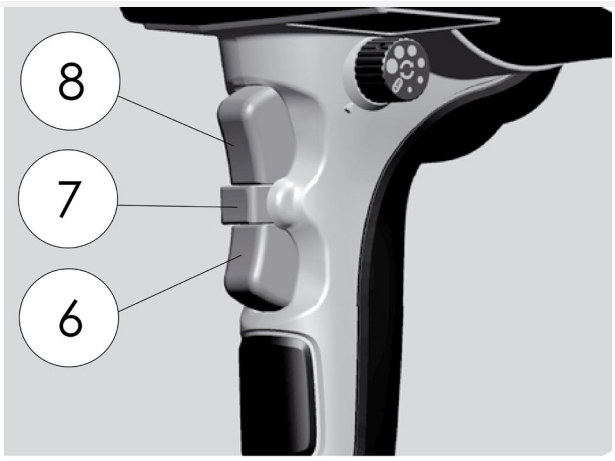
Check the charge status of the battery. To do this, press the test button.



D1

Insert the battery: Push the tool firmly onto the battery holder. The locking button (A) must engage. Check that the battery is firmly engaged.
Remove the battery: Press the battery locking button (A).
Press and hold the locking button. Pull the battery from the tool.

6.4 Starting/Stopping

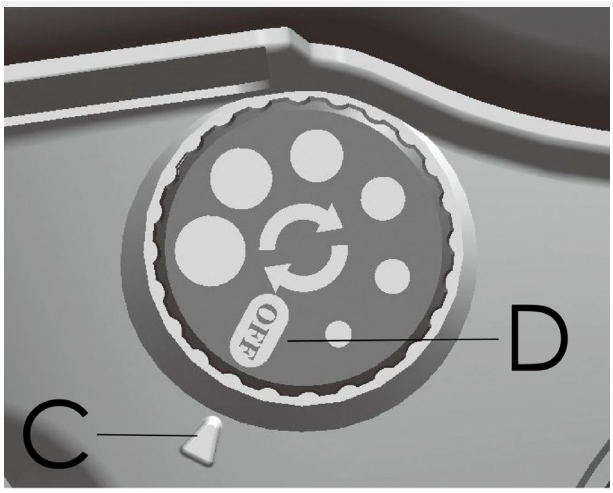


E1

A For safety reasons, the tool is equipped with a rocker switch for forward (8) and reverse (6) as well as a lock (7).
Press the lock (7) and then the forward motion (8) to start the cutting process.
Press the lock (7) and return (6) to retract the moving blade.
The tool stops when the rocker switch is released.

6.5 Opening width/automatic return setting

F1



F2

The tool can be switched from manual to automatic return. To do this, turn the changeover knob (9).

Automatic return:

A ●-Symbol at position C - **automatic return** activated.
The rotary knob can be set to an ascending circle (6 levels). The width setting is ascending and must be determined in a test run.

NOTICE

- The automatic return is not activated if the forward switch is released before the cut is complete.

- The automatic return is not activated with fine cable of 60mm² or less.

- The opening diameter varies depending on the remaining battery voltage.

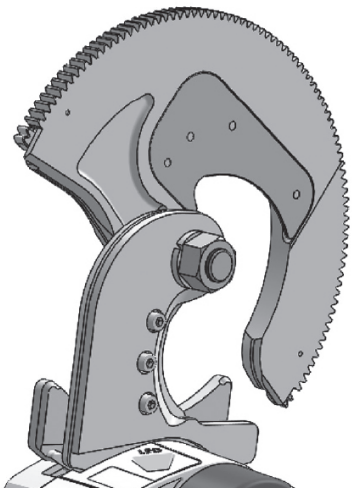
- Early stop/incomplete cut with very short cable sections (less than 50 mm) and cable with high elasticity. **We then recommend setting to manual rewind.**

Manuel return:

OFF-Symbol (D) at position C - manual rewind activated.
The user controls the forward (8) and return (6) via the buttons.

6.6 Cutting

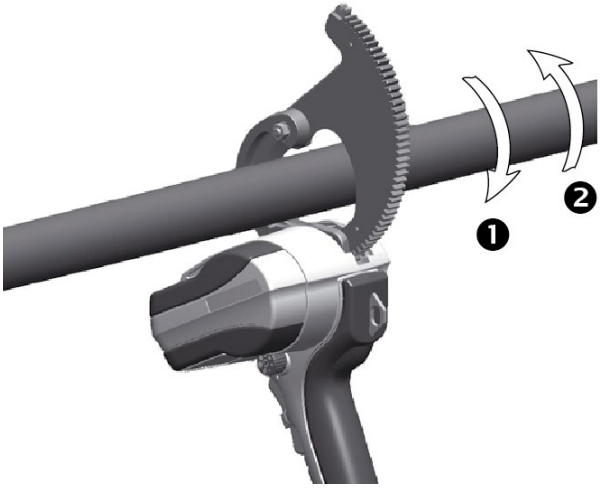
Check the head and the control knobs for function and damage.
If there is obvious damage, do not use it.



G1

G2

G3



G4

G1: Move the movable cutting blade to the starting position.
To do this, press the lock (7) and the return switch (6).
The blade can now be opened.

G2: Position the material to be cut on the counter blade close to the pivot point.

NOTICE

Non-observance of the following advices will lead to damage and even to breakage of the blades.

Inserting the cutting blade:

Insert the moving blade by hand until gear ring grips.
Rough handling (jerking the moving blade) may damage the tool.

G3: Position the tool so that it cuts axial to the cable.

Manual return:

Press the lock (7) and the forward switch (8) to cut the material to be cut. Keep the forward switch pressed until the material to be cut is completely cut.

Move the cutting blade to its starting position or the desired position by pressing the lock (7) and the return switch (6).

When returning manually, the tool stops after reaching the maximum force. The cutting blade automatically returns to the preset position.

G4: The tool may rotate in the opposite direction to the cutting direction of the movable blade. Ensure there is sufficient free space for the tool.

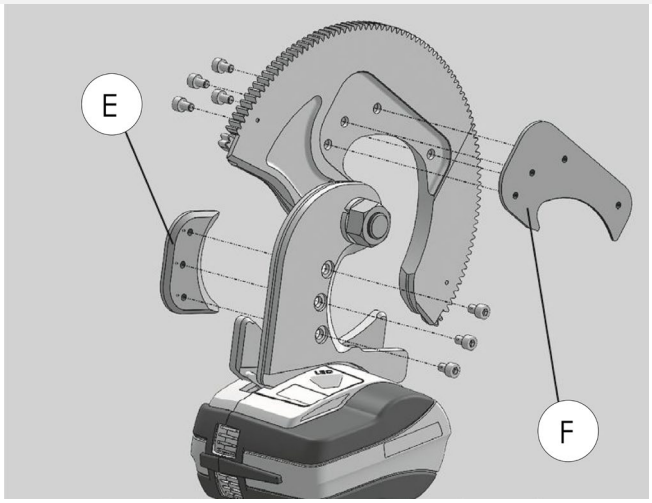
Keep the cutting blades clean and sharp. This reduces jamming and ensures efficient, safe working.

Remove chips and metal residue from the cutting blades and the dirt scraper before the next cutting process.

6.7 Changing Cutting Blade

- **WARNING**

Unintended start of the tool.
Danger of cutting injuries to the hand.
▶ Remove the battery from the tool before replacing the blade.



H1

Loosen the screws. Remove the cutting blade (F) and the counter blade (E).

Assemble the new cutting blade and counter blade finger tight with the screws.

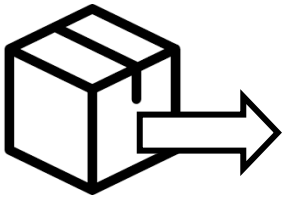
7 Trouble-shooting

Error	Cause	Solution
The tool does not work.	The battery is not charged.	Recharge the battery.
	The battery is not inserted correctly.	Insert the battery correctly.
	The contacts between the battery and the tool are dirty.	Clean the contacts.
	The tool is overheated.	Let the tool cool down.
The blades do not move forward or back.	The blades are dirty. The gear rim is dirty.	Remove chips and metal left on the brush, gear rim and blades.
	The blades and the material to be cut are twisted.	Have the manufacturer inspect the tool.
Material is not cut.	Check the application / the material to be cut.	Wrong application.
	The material to be cut is too cold. *	Warm up the material to be cut.
	Cutting of cable sections that are too short	Cut in manual return
	High elasticity of the cable	Cut in manual return

* At temperatures below 10° C, the cutting properties of electrical conductors change. Cuts may not be possible even if they are within the range of intended use.

8 Maintenance and Service

Task	Period	Maintenance by
Clean and grease movable parts. ►Use machine care oil Not authorised: chemicals, water or wet clothes	Daily	User
Inspection for damage and defects	Daily	User
Maintenance: ▪ Tool ▪ Cutting Unit	Every 12 months (approx. 10.000 work cycles)	Manufacturer

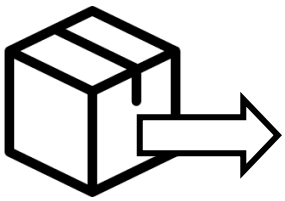


TSC Technik-Service-Center
Alsterdorfer Straße 228
22297 Hamburg, Germany
Tel. +49 40 511 28-200
service@holger-clasen.de
www.holger-clasen.de

The cutting blades can be reground during maintenance.
In the event of severe damage, such as chips or cracks, the blades have to be replaced by the manufacturer.

Disassembly or modification of the tool by unqualified persons could cause accidents. Always allow qualified technicians only or the Technik-Service-Center (TSC) by Holger Clasen GmbH & Co. KG to carry out maintenance work. Use original spare parts by HOLGER CLASEN.

9 Disposal



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Do not dispose of the tool as a unit in residual waste.
Tool components can cause environmental damage!
Dispose of the tool in accordance with the scope of the European WEEE (2012/19/EU) and RoHS directives (2011/65/EU).
Rechargeable batteries must be disposed of in accordance with the Battery Directive (2023/1542/EU).
Improper disposal is punishable under the Environmental Liability Act!

In accordance with §19 ElektroG, Holger Clasen GmbH & Co. KG offers the following options for returning old appliances:

1. send in the old appliance with clear notification for disposal to the following drop-off address: **Holger Clasen GmbH & Co. KG, Alsterdorfer Straße 228, 22297 Hamburg, Germany.**

2. personal delivery of the old appliance to the above address.

3. chargeable commissioning of Holger Clasen GmbH & Co. KG to collect the old appliance. The end user is responsible for the proper packaging of the old appliance.

The owner of the waste equipment is responsible for the disposal of personal data in physical or digital form prior to handover.

The owner of the old appliance is responsible for the non-destructive separation or appropriate packaging of old batteries and accumulators in accordance with Section 10 (1) ElektroG, unless they are enclosed by the old appliance.

The battery, the circuit boards and other components must be disposed of separately in accordance with the environmental standards in force in the European Union or in your country. Send the tool to Holger Clasen GmbH & Co. KG for disposal.

Do not dispose of battery pack together with household waste material! In observance of the European Directive 2006/66/EC, on batteries and accumulators and waste batteries and accumulators and the implementation in accordance with national laws, batteries and battery pack(s) that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

For the disposal of products from other manufacturers, please check their applicable disposal procedures.

For Makita and Bosch products, you will find disposal instructions in the download section of our website under the relevant products.

10 Accessories

Type		Description	Item No.
Case RS-C6 Ma / Bo / Mi	KOFF-Km RS-C	Lightweight Plastic case with compartments for tool, two batteries and battery charger	79500129
Carrying Strap	TR-REC	Carrying strap for battery tools, strap 25 mm wide, 1 snap hook	07542106
	TR-25-2	Carrying strap for battery tools, strap 25 mm wide, 2 snap hooks	07755001
Spare Blades	R54AR-03	Cutting Blade	07448007
	R54AR-04	Counter Blade	07173005
Battery Makita*	BL1850B	Type: Lithium-Ion (90 Wh) Battery Voltage: 18 V Capacity: 5.0 Ah Dimensions: 115 x 75 x 67 mm Weight: 0.64 kg Charging Time: 45 min Charger: DC18RC	79300115
Battery Charger Makita	DC18RC	Input Voltage: 220 – 240 V, 50/60 Hz Weight: 0.90 kg Dimensions: 156 x 190 x 84 mm Charging Time BL1850B (5.0 Ah): 45 min	79300120
Battery Bosch	GBA 18V 5.0Ah	Type: Lithium-Ionen (90 Wh) Battery Voltage: 18 V Capacity: 5.0 Ah Dimensions: 74 x 114 x 56 mm Gewicht: 0.62 kg Charging Time: 80% / 28 min 100% / 45 min Charger: GAL 1880 CV	79300122

Type		Description	Item No.
Battery Charger Bosch	GAL 1880 CV	Input Voltage: 220 – 240 V, 50/60 Hz Charging Current: 8 A Weight: 0.70 kg Dimensions: 140 x 95 x 250 mm Charging Time GBA 18V 5 Ah: 100% / 45 min	79300123

* Optionally, other 18V Makita batteries can be used:
  BL1815N, BL1820B, BL1830B, BL1840B, BL1860B

EC Declaration of Conformity

We, HOLGER CLASEN GmbH & Co. KG
Alsterdorfer Straße 228
22297 Hamburg, Germany

declare under our sole responsibility that the product

Product: **RS-C6**

Description: **Battery-operated Cutting Tool**

Serial number: _____

is in conformity with the requirements of the following directives and regulations:

2006/42/EC – Machinery Directive
2014/30/EU – EMC Directive
2011/65/EU + (EU) 2015/863 – RoHS Directive

Conformity assessment has been carried out in accordance with the following harmonized standards:

EN 62841-1:2015 + A11:2022, EN 62841-2-8: 2016
EN 61000-6-4: 2007 + A1:2011
EN 61000-6-2:2005
EN IEC 63000:2018

This declaration becomes invalid, if technical or operational modifications are introduced without the manufacturers consent. The technical construction file (TCF) is retained at the above manufacturer's location.

Date of Declaration: Hamburg, January 20, 2025

Signature:

Lennart Clasen (Managing Director)