

INSTRUCTION MANUAL

Battery-operated hydraulic Crimping Tool InLineBox-C15-O



Fits all OEM
batteries



Original instruction manual
Ident-No.: 76875500-BA

☐ InLineBox-C15-O Ma (suitable for Makita batteries)

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Content

1	General Information	3
2	General Safety Information.....	5
3	Product Description	8
4	Technical Data.....	12
5	Commissioning.....	17
6	Operation.....	19
7	Trouble-shooting.....	24
8	Maintenance and Service	25
9	Disposal	26
10	Accessories	27
11	Drawing	28
12	Part List.....	29
13	Declaration of Conformity.....	32

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's customer service at +49 40 511 28-0. Keep the packaging.

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.

Symbols used:



WARNING!



Danger of hand injuries



Please wear safety goggles



Please wear safety shoes



Please wear protective clothes



Don't dispose of in residual waste

Label:

Danger of hand injuries

Type label – Housing bottom

2 labels – Type, Comfort-Series

Serial No.: In the battery shaft

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.

Hydraulic fluid under pressure.

Escaping fluid under pressure can cause severe injury or death.

- ▶ If injure, seek medical attention immediately.

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 Crimping Area.

Danger of crushing the hand.

- ▶ 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 blade 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

- 1 Crimping head, rotatable 270°
- 2 Lash for Carrying Strap
- 3 Return Button
- 4 Release Button
- 5 Lash for Carrying Strap
- 6 Locking Button Battery
- 7 Type label
- 8 Emergency Return
- 9 LED
- 10 Crimping Die Safety Pins



Crimping Dies not included

3.1 Intended Use

This Battery-operated hydraulic tool has been designed for crimping connectors and cable lugs with C-shaped crimping dies (form: C) or Pin-lock crimping dies (form: P) according to the crimping die table (chapter 4.1). For other applications, please contact HOLGER CLASEN. 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 will not be liable for damage resulting from improper use. The operator works at his own risk.

3.2 Expected misuse

**Do not retract the tool without inserted crimping dies.
This will cause damage and possibly break the head.**

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 persons 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 Temperature Range

The possible working range of the tool is in the temperature range from -20°C to +40°C.

The recommended working range is in the temperature range from -5°C to +40°C. Temperatures between -20°C and -5°C leads to changes in the flow properties of the hydraulic oil.

To ensure unrestricted use, we recommend storing the tool the tool for one hour in a room with a temperature of +10 to +25°C.

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 come into contact with 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.

On the Makita website you will find recommendations for sending in lithium-ion batteries:

https://www.makita.dk/data/pam/public/content-pages/support/battery-transportation/mb_36_shipping_lithium_ion_batteries.pdf

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 the batteries are delivered on 30 % charge level. Please completely charge the battery before usage with the recommended battery charger.

Follow the Makita charger operating instructions (DC18RC):

<https://www.makita.dk/user-manuals>

4 Technical Data

Item	InLineBox-C15-O
Crimping Force	134 kN
Stroke	50 mm
Head	270° rotatable
Battery Voltage	18 V
Weight*	9.9 kg
Dimensions* L x W x H	574 x 108 x 263 mm

* without battery

MasterBase technology offers the following battery options,
choose your tool here

Item	Item No.	Suitable for batteries
InLineBox-C15-O Ma	76775500	Makita 18 V Li-Ion
InLineBox-C15-O-Set Ma**	76875500	Makita 18 V Li-Ion

**Scope of Delivery Set:

Battery-operated hydraulic Crimping Tool InLineBox-C15-O Ma
(Item No. 76775500),
Standard Handle R85-05 (Item No. 07215211),
Lithium-Ion Battery Makita BL1850B, 18 V / 5 Ah (Item No. 79300115),
Battery Charger DC18RC (Item No. 79300120),
Carrying Strap TR-40-2 (Item No. 07755002),
Transportation Case KOFF-K ILB-C (Item No. 79500116)

Crimping Ranges

Application		Crimping Range Adapter for C-shaped Dies 	Crimping Range Pin-Lock Crimping Dies 
Cu/Al acc. to DIN 48083		Cu: 10 – 300 mm ² Al: 10 – 300 mm ²	Cu: 400 – 630 mm ² Al: 400 – 630 mm ²
ACSR		Al: 16 – 240 mm ² St: 2.5 – 40 mm ²	
Prerounding		SE: 25 – 300 mm ² SM: 16 – 300 mm ²	
Tubular Cable Connector (similar to DIN)		16 – 400 mm ²	500 – 630 mm ²
Arbor Crimping		10 – 150 mm ²	
Double Arbor Crimping		16 – 150 mm ²	
H-Clamps		50 – 120 mm ²	
Double Crimping Cable Lugs		50 – 120 mm ²	
Trapezoid (Wire End Ferrules)		10 – 240 mm ²	

4.1 Crimping Die Table

NOTICE

Our crimping dies are manufactured in accordance with the DIN 48083 standard. The assignment to the crimping areas is for guidance only.

Please observe the connector manufacturer's specifications regarding the required force and index number.

Due to the large number of possible connectors/materials, we always recommend carrying out test crimping.

Tensile tests, conductivity tests or cross-section checks may also be useful in individual cases.

Please contact us, we can arrange a test for you.



The tool is designed to accommodate

Pin-lock crimping dies (P) / C-shaped crimping dies (C) with adapter Adap-C15

Nomenclature:

Example: K8 / 5 – C
 K8 – Index according to DIN 48083 (**up to 300 kN**)
 5 – 5 mm Crimping width
 C – C-shaped crimping dies
 P – Pin-lock crimping dies

DIN-C-shaped Crimping Dies (with Adapter) for InLineBox-C15:

Cu nach DIN / acc. to DIN			Al nach DIN / acc. to DIN		DIN Al/St-Seile*/ACSR-Ropes			
Pressbereich Crimping Range DIN 48083	Zugentlastet Non Tension	Zugfest Full Tension	Zugentlastet Non Tension	Zugfest Full Tension	Werkzeug- Kennzahl Index DIN 48083	Al-Hülse Al-Sleeve	St-Hülse St-Sleeve	Presseinsatz Crimping Die
10 mm ²		K8 / 14 - C # 769 00 030	K10 / 14 - C # 769 00 031		6		16/2,5 25/4 35/6	K6 / 5 - C # 769 00 402
16 mm ²	K8 / 14 - C # 769 00 030	K8 / 14 - C # 769 00 030	K12 / 14 - C # 769 00 032	K12 / 14 - C # 769 00 032	7		50/8	K7 / 5 - C # 769 00 401
25 mm ²	K10 / 14 - C # 769 00 031	K10 / 14 - C # 769 00 031	K12 / 14 - C # 769 00 032	K12 / 14 - C # 769 00 032	9		70/12 95/15	K9 / 5 - C # 769 00 399
35 mm ²	K12 / 14 - C # 769 00 032	K12 / 14 - C # 769 00 032	K14 / 14 - C # 769 00 033	K14 / 14 - C # 769 00 033	12	16/2,5 25/4		K12 / 14 - C # 769 00 032
50 mm ²	K14 / 14 - C # 769 00 033	K14 / 14 - C # 769 00 033	K16 / 14 - C # 769 00 034	K16 / 14 - C # 769 00 034	13		120/20 150/25	K13 / 5 - C # 769 00 398
70 mm ²	K16 / 14 - C # 769 00 034	K16 / 14 - C # 769 00 034	K18 / 14 - C # 769 00 035	K18 / 14 - C # 769 00 035	14	35/6		K14 / 14 - C # 769 00 033
95 mm ²	K18 / 14 - C # 769 00 035	K20 / 14 - C # 769 00 036	K22 / 14 - C # 769 00 037	K22 / 14 - C # 769 00 037	15		siehe **	K15 / 5 - C # 769 00 397
120 mm ²	K20 / 14 - C # 769 00 036	K22 / 14 - C # 769 00 037	K22 / 14 - C # 769 00 037	K25 / 14 - C # 769 00 038	16	50/8		K16 / 14 - C # 769 00 034
150 mm ²	K22 / 14 - C # 769 00 037	K25 / 14 - C # 769 00 038	K25 / 14 - C # 769 00 038	K28 / 14 - C # 769 00 039	18	70/12		K18 / 14 - C # 769 00 035
185 mm ²	K25 / 14 - C # 769 00 038		K28 / 14 - C # 769 00 039	K28 / 14 - C # 769 00 039	22	95/15		K22 / 14 - C # 769 00 037
240 mm ²	K28 / 14 - C # 769 00 039		K32 / 14 - C # 769 00 065	K32 / 14 - C # 769 00 065	25	44/32 50/30 120/20		K25 / 14 - C # 769 00 038
	K28 / 7 - C # 769 00 040		K32 / 7 - C # 769 00 041	K32 / 7 - C # 769 00 041	28	125/30 150/25		K28 / 14 - C # 769 00 039
300 mm ²	K32 / 14 - C # 769 00 065		K34 / 14 - C # 769 00 066		30	170/40 185/30 95/55		K30 / 14 - C # 769 00 403
	K32 / 7 - C # 769 00 041		K34 / 7 - C # 769 00 042		34	105/75 120/70 210/35 210/50 230/30 240/40		K34 / 14 - C # 769 00 066

* Querschnitt Al/St / Cross section ACSR

** 44/32, 50/30, 125/30, 170/40, 185/30, 210/35, 230/30, 240/40, 265/35, 305/40, 340/30, 385/35, 450/40, 495/35, 570/40

Pin-Lock Crimping Dies

400 mm ²	K38 / 7 - P # 76900502	K38 / 7 - P # 76900502 K38 / 15 - P # 76900505
500 mm ²	K42 / 7 - P # 76900503	K42 / 7 - P # 76900503 K42 / 15 - P # 76900506
630 mm ²	K44 / 7 - P # 76900504	K44 / 7 - P # 76900504 K44 / 15 - P # 76900507



Further C-shaped Crimping Dies (with Adapter) for InLineBox-C15:

Pressbereich Crimping Range	Al / Cu-Sektorleiter / Sector-shaped conductor - Vorrunden / Prerounding		Nicht DIN Sechskant / Non DIN Hexagonal	Dorn Arbor	Doppeldorn Double Arbor	H-Klemmen H-Clamps	Doppelpress- Kabelschuh Double Crimping Cable Lug	Trapez für Aderendhülsen Trapezoid for Wire End Ferrules
	Eindrähtig Single Stranded	Mehrdrähtig Multi-Stranded						
10 mm ²				D10 / 10 - C # 769 00 173				AE10/20-C # 76900641
16 mm ²		R12 / 35 - C # 769 00 069	ND16 / 14 - C # 769 00 050	D16 / 10 - C # 769 00 174	DD16 / 5 - C # 769 00 383			AE16/20-C # 76900642
25 mm ²	R12 / 35 - C # 769 00 069	R12+ / 35 - C # 769 00 070	ND25 / 14 - C # 769 00 051	D25 / 11 - C # 769 00 175	DD25 / 7 - C # 769 00 384			AE25/20-C # 76900643
35 mm ²	R12+ / 35 - C # 769 00 070	R14 / 35 - C # 769 00 071	ND35 / 14 - C # 769 00 052	D35 / 12 - C # 769 00 176	DD35 / 7 - C # 769 00 385			AE35/20-C # 76900644
50 mm ²	R14 / 35 - C # 769 00 071	R16 / 35 - C # 769 00 072	ND50 / 14 - C # 769 00 053	D50 / 12 - C # 769 00 177	DD50 / 9 - C # 769 00 386	HK22 / 35 - C # 769 00 363	DP22 / 12 - C # 769 00 378	AE50/20-C # 76900645
70 mm ²	R16 / 35 - C # 769 00 072	R18 / 35 - C # 769 00 073	ND70 / 14 - C # 769 00 054	D70 / 12 - C # 769 00 178	DD70 / 9 - C # 769 00 387	HK26 / 35 - C # 769 00 364	DP24 / 35 - C # 769 00 360 DP24 / 12 - C # 769 00 379	AE70/20-C # 76900646
95 mm ²	R18 / 35 - C # 769 00 073	R22 / 35 - C # 769 00 079	ND95 / 14 - C # 769 00 055	D95 / 12 - C # 769 00 179	DD95 / 11 - C # 769 00 388	HK30 / 35 - C # 769 00 365	DP29 / 35 - C # 769 00 361 DP29 / 12 - C # 769 00 380	AE95/20-C # 76900647
120 mm ²	R22 / 35 - C # 769 00 079	R22+ / 35 - C # 769 00 074	ND120 / 14 - C # 769 00 056	D120 / 12 - C # 769 00 180	DD120 / 11 - C # 769 00 389	HK32 / 35 - C # 769 00 366	DP32 / 35 - C # 769 00 362 DP32 / 12 - C # 769 00 381	AE120/20-C # 76900648
150 mm ²	R22+ / 35 - C # 769 00 074	R25 / 35 - C # 769 00 075	ND150 / 14 - C # 769 00 057	D150 / 12 - C # 769 00 181	DD150 / 11 - C # 769 00 390			AE150/20-C # 76900649
185 mm ²	R25 / 35 - C # 769 00 075	R28 / 35 - C # 769 00 076	ND185 / 14 - C # 769 00 058					AE185/20-C # 76900650
240 mm ²	R28 / 35 - C # 769 00 076	R32 / 35 - C # 769 00 077	ND240 / 14 - C # 769 00 059					AE240/20-C # 76900651
300 mm ²	R32 / 35 - C # 769 00 077	R34 / 35 - C # 769 00 078	ND300 / 7 - C # 769 00 061					
400 mm ²			ND400 / 7 - C # 769 00 062					

Pin-Lock Crimping Dies

500 mm ²	ND500 / 10 – P # 769 00 508
630 mm ²	ND630 / 8 – P # 769 00 509

5 Commissioning



The tool set comes with a Makita battery, 18 V, and a matching Makita charger. Fully charge the battery before using it for the first time.

Make sure that the accumulator is charged before each use.

The LEDs indicate the battery capacity.

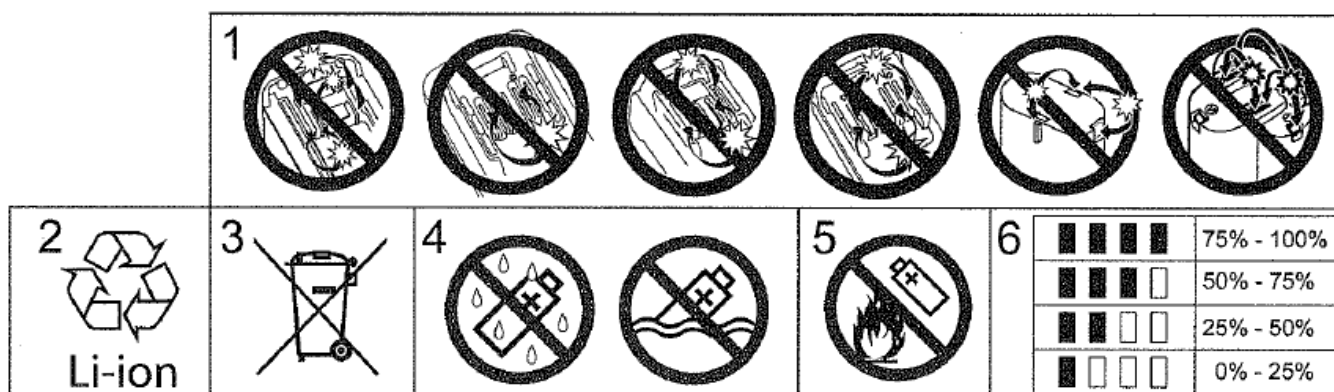
To do this, press the test button on the battery.

Reload if necessary.

Follow the Makita charger operating instructions (DC18RC):

<https://www.makita.dk/user-manuals>

The following information is placed on the battery:



1. Do not short-circuit the battery
2. Always recycle used batteries.
3. Do not dispose of used batteries in household waste.
4. Do not expose the battery to water or rain
5. Do not throw the battery into fire
6. Battery charge level indicator:

	75 % - 100 %
	50 % - 75 %
	25 % - 50 %
	0 % - 25 %

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

For commissioning the tool with other battery systems, please observe the recommendations of this battery manufacturer.

6 Operation

WARNING

Exposed Crimping Area.

Danger of crushing the hand.

- ▶ Never reach into the running tool.

Overheating of the motor is possible after continuous operation.

Allow the tool to cool down in good time for a few minutes.

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.

6.2 Inserting / Removing the Battery

The LEDs indicate the battery capacity. To do this, press the test button on the battery.



Inserting:

Push the battery firmly onto the tool until the locking button engages. Check that the battery is firmly engaged.

Removing:

Press and hold the locking button. Pull the battery off the tool.



6.3 Automatic Reverse

Press the forward switch (4) to cut the material.

The tool stops after reaching the maximum force and the cutting blade automatically return to the starting position.

By **pressing the forward button (4) again**, you can interrupt the reverse movement, the cutting blade stop at the **desired position**.

Manual control:

You can interrupt the retraction by **tapping the advance switch again**, the cutting blades stop at the desired position.

The piston can then be retracted by actuating the return button (3).

6.4 Emergency Return

The automatic return is controlled by the electronics. In the event of a failure of the electronics, e.g. if the battery is empty, the flask can be retracted via the emergency return.

To do this, remove the rubber plug on the underside.

Push the lever in the direction of the arrow. The piston retracts.



6.5 Valve Safety Lock

For safety purposes, the release button has a safety lock.

It can be activated by pulling it backwards.

To deactivate it, push the safety lock in direction of the arrow.



6.6 Inserting/Removing Crimping Dies

Inserting:

Select the correct crimping dies for the connector (chapter 4.1).

Insert the crimping dies for the tool in pairs.

Slide the crimping dies into the guides of the piston attachment and locking yoke.

Pull the crimping die safety pins (Pos. 10), then the dies can engage.

Check that the crimping dies are centered and firmly engaged.

Removing:

Pull the crimping die safety pins (Pos. 10).

The crimping dies are released and can be removed.

6.7 Crimping

Check the head and the control buttons for function and damage.

If there is obvious damage, do not put it into operation.

Move the piston to its starting position by using the return button (3).

Position the connector material between the crimping dies.

Close the clamp.

Hold the press head at an angle of 90° to the material to be pressed.

Crimping:

Insert the cable into the connector material.

Press the release lever (4) to crimp the connector material.

Keep the release lever pressed until the maximum pressure is reached.

The pressure relief valve stops the pressure build-up when the maximum pressure is reached.

Check that the crimping dies are fully closed.

Only then is the crimping process fully completed.

If possible, use a measuring gauge to check the crimping.

The tool stops after reaching the maximum force and the piston automatically moves back to the starting position.

By tapping the advance switch again, you can interrupt the retraction, the piston stops at the desired position.

6.8 Usage Adapter for C-shaped Crimping Dies

The C-shaped crimping dies are held in the adapter by spring-loaded balls.



Inserting:

Slide the adapter for C-shaped dies into the guides until they snap into place.

Insert the crimping dies into the adapters.

Removing:

Press the c-shaped crimping dies to remove them from the adapter.

7 Troubleshooting

If the tool is colder than -5°C, store it in a room with a temperature of +10 to +25°C for at least one hour to allow the tool to warm up to room temperature again. At temperatures between -20°C and -5°C, the flow properties of the hydraulic oil change.

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.
	Fault in the hydraulic system (e.g. air).	Have the manufacturer inspect the tool.
The crimping dies do not move to starting position	The head is dirty.	Remove chips and metal left on the movable parts.
	Wear of the return spring.	Have the manufacturer inspect the tool.
	Defect hydraulic system.	Have the manufacturer inspect the tool.
The piston moves too slowly/not at all together.	Fault in the valves.	Have the manufacturer inspect the tool.

8 Maintenance and Service

Task	Period	Maintenance by
Clean and grease the movable parts from dirt to avoid damage of the tool. Do not use chemicals, water or wet clothes.	After each use	User
Inspect the movable parts regularly for damage.	Daily	User
Maintenance of the tool.	Every 12 months (approx. 10.000 work cycles)	HOLGER CLASEN

Check the crimping dies and crimping die guides regularly for signs of wear.

Faulty crimping dies lead to faulty crimping. During maintenance, the dimensional accuracy of the HOLGER CLASEN crimping dies. We will be glad to advise you.

Disassembly or modification of the tool by unqualified persons could cause accidents. Always allow qualified technicians only or the HOLGER CLASEN Technical Service Center (TSC) to carry out maintenance work. Use original spare parts by HOLGER CLASEN.

Service address:

The TSC will do all required maintenance and repair work for you.



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

9 Disposal



The tool must not be disposed of as residual waste because some parts of the tool may cause environmental damage! Improper disposal constitutes a punishable offence according to the Environmental Liability Act!

In accordance with §19 ElektroG, HOLGER CLASEN 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 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.

10 Accessories

Type		Description	Item No.
Case InLine-Box-C15-O Ma	Koff-K ILB-C	Lightweight Plastic case with compartments for tool, two batteries and battery charger	79500116
Carrying Strap for battery-operated tools	TR-REC	Strap 25 mm wide, 1 snap hook	07542106
	TR-25-2	Strap 25 mm wide, 2 snap hooks	07755001
	TR-40-2	Strap 40 mm wide, 2 snap hooks	07755002
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 Adapter	HC-ADAP-BO-18V	Holger Clasen 18V Battery-Adapter, suitable for Bosch Battery 18V	79300092
	HC-ADAP-MI-18V	Holger Clasen 18V Battery-Adapter suitable for Milwaukee Battery 18V	79300093
	HC-ADAP-DE-18V	Holger Clasen 18V Battery-Adapter, suitable for Dewalt Battery 18V	79300094
Adapter for C-shaped Crimping Dies	Adap C-15	Adapter for usage of C-shaped Crimping Dies.	79500105

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

[illegible]

12 Part List

Position	Item	Description	Pieces
3	07011008	Cover	1
4	07746021	Release Knob	1
5	07045004	Hanger	2
6	07746022	Safety Trigger	1
7	07530009	Rubber plug	1
10	07746023	Switch Unit	1
11	07177003	Case Inlet	1
12	07452573	Screw	17
13	07452394	Screw	4
14	07123660	Spring	1
15	07123533	Spring	1
16	07068001	Bushing	2
17	07037003	Power Unit	1
18	07386008	Ring	4
19	07136004	Filter	4
21	07358698	O-Ring	1
22	07277123	Ball	8
23	07123663	Spring	4
24	07585217	Valve Screw	6
25	07123217	Spring	2
26	07277008	Ball	1
27	07123664	Spring	1
28	07530003	Plug	1
30	07452238	Screw	2
31	07753002	Release Unit	1
32	07452071	Screw	4
33	07055005	Reaction Pin	1
34	07358186	O-Ring	1
35	07351014	Oil Reservoir	1
37	07530109	Plug	1
38	07452053	Screw	2
39	07358496	O-Ring	1
40	07546016	Relief Valve	1
41	07044001	Retainer	2
42	07452788	Screw	2

Position	Item	Description	Pieces
43	07053008	Release Lever	1
44	07324003	Cam	1
45	07212011	Holder	1
46	07524015	Pin	1
47	07358351	O-Ring	2
48	07530004	Plug	1
49	07358009	O-Ring	2
50	07123665	Spring	4
51	07277122	Ball	4
52	07081005	Seal Packing	4
53	07535016	Backup Ring	4
54	07593002	Cylinder Insert	4
55	07123027	Spring	4
56	07371003	Pump Piston	4
57	07524016	Pin	2
59	07358314	O-Ring	1
60	07535285	Backup Ring	1
61	07267056	Piston	1
62	07398005	Spring	1
63	07452052	Screw	2
64	07273003	Head	1
65	07606002	Retaining Screw	4
66	07105004	Push Pin	2
67	07565213	Valve Spring	4
68	07105005	Push Pin	2
69	07191002	Ring	2
70	07844009	Isolation	1
71	07081342	Seal Packing	1
72	07452360	Screw	1
73	07647007	Cylinder	1
74	07267037	Piston	1
75	07651003	Cylinder Case	1
76	07452054	Screw	1
77	07452239	Screw	1
78	07530011	Plug	2
79	07215211	Dead Handle	1
901	07175040	Housing (L+R)	1

Position	Item	Description	Pieces
902	07175041	Housing (L+R) Battery slot	1
903	07530007	Suction Plug cpl.	4
904	07656007	Motor	1
905	07648005	Cylinder Group	1

May be subject to changes.

EC DECLARATION OF CONFORMITY

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

in accordance with the following Directive(s)

2006/42/EG – The Machinery Directive
2014/30/EU – EMC Directive
2011/65/EU – RoHS Directive

hereby declare that,

Equipment: **Battery-operated hydraulic Crimping Tool**

Type: **InLineBox-C15-O**

Serial number: _____

is in conformity with the applicable requirements of the following documents:

Machinery Directive: EN 62841-1:2015; 62841-2-8: 2016

EMC Directive: EMI: EN 61000-6-4: 2007+A1:2011

EMS: EN 61600-6-2: 2005

I hereby confirm that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with all applicable Essential Requirements of the Directive(s).

Hamburg, 27.02.2020

HOLGER CLASEN GmbH & Co. KG



Lennart Clasen (Managing Director)