



**Battery powered crimping tool
„SHs-6“**

Art. 215770-1

60 kN	700 bar	180°		LI-ION 18V 2Ah	

Video 215770/M



haupa®

...convincing solutions

1. Technical data

Area of application:	For the creation of an electrical connection by means of compression
Scope of delivery:	1 crimping tool, 1 charger, 1 battery, 1 carry loop, in plastic case, without pressing dies.
Pressing force:	60 kN
Safety:	The tool is fitted with a safety value that has been set at the factory.
Structure:	The working head can be rotated by 180° to make it easier to adapt to the operation to be carried out. The model Art. 215770-1 does not protect the operator when working on cables that carry power.
Guarantee:	2 year guarantee if used for the purpose it is intended.

2. Area of work/Performance characteristics

- Pressing force in kN 60 kN
- Working pressure in bar: 700
- Head can be opened
- Opening / Hub: 17 mm
- Pressing width: slim
- Motorstop
- Crimping range cable lugs: standard Cu 10-185 / DIN Cu 10-185
- Crimping range connectors: standard Cu 10-185 / DIN Cu 10-185
- Pressing time, battery-operated in seconds: 5
- Battery charging time in minutes: 30
- Battery type: Li-Ion, 18 V, 2 Ah
- Weight in kg without batterie: 2,9
- Weight set in kg with batterie: 7,9

- 6 tonnes of pressing force for maximum performance
- Motor stop. The feed is stopped immediately the operating switch is released. No post-travel of the piston
- 180 degree rotating crimping head. Can thus be mounted even in places that are difficult to access
- Manual return enables shorter process cycles and saves battery capacity
- The manual return enables the operator to bring the piston back to the starting point in the event of a faulty pressing.
- After the pressing is completed, the device operates in idle.
(If the compression is not completed, manual return of the piston on the return operation button is "very perceptibly" more difficult)
- The two button operation ensures logical, simple and quick single-handed operation.
- The tool is supplied with 1 Li-Ion battery, 18 V, 2 Ah and a quick charger.
- Area of application in accordance with the available pressing dies (max. 185 mm²).

3. Operating instructions

CAUTION! TOOLS MAY NEVER BE USED WITHOUT FIRST INSERTING THE PRESSING DIES.

Ensure that the pressing dies fit precisely to the appropriate area and are seated perfectly in the holders.

OTHERWISE THIS MAY CAUSE SERIOUS DAMAGES OR BREAKAGES AND THE GUARANTEE WILL BE VOIDED.

Preparation

Before starting up the tool, read the operating instructions first.

All current-carrying elements in the area you are working in should be disconnected.

Otherwise the protective procedures for working in the vicinity of components under current must be implemented. (DIN EN 50110)

Do not use the tool if you are tired or under the influence of medication, drugs or alcohol.

Take into account the valid accident prevention and safety regulations and use the tool exclusively for the purpose for which it is intended.

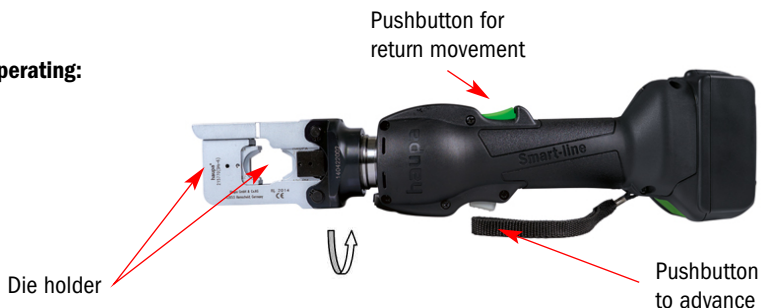
Only electro-technically trained persons over 16 years of age may process connecting materials using the tool.

The operating instructions must always be carried with the tool.

The instructions must have been read and understood by the user.

The operator must ensure that this is the case.

Operating:



- Select the required pressing die.
- Never use a crimping tool without pressing dies!
- The pressing procedure can be stopped at any time by releasing the actuation switch.
- No components under power may be compressed.
- The tool is not insulated!
- The tool is not designed for permanent use.
- After 35 - 45 compression actions carried out one after another, you must take a break of 10 to 15 minutes to allow the tool to cool down.
- If it is heated too high, this may cause damages to the tool.
- Do not use under water or when it is raining.
- Please observe the processing notes for the relevant connection materials as detailed in our catalogue.

Mounting and unmounting the battery

Charger specifications

Model Nr.:	215527
Input:	100 - 240 V AC
Frequency:	50 / 60 Hz
Output V:	21 V
Output A:	1 A
Weight:	0,164 kg
Measurements:	92 mm (L) x 47 mm (B) x 45 mm (H)

Charger:



Connecting battery to charger:



215523 (2 Ah)



215525 (4 Ah)



2 Ah Battery Specifications

Model Nr.:	215523
Voltage:	18 V
Weight:	0,35 kg
Measurements:	114 mm (L) x 73,5 mm (B) x 67 mm (H)
est. Charging Time:	approx. 30 Min
Capacity:	2 Ah

4 Ah Battery Specifications

Model Nr.:	215525
Voltage:	18 V
Weight:	0,58 kg
Measurements:	114 mm (L) x 73,5 mm (B) x 67 mm (H)
est. Charging Time:	approx. 60 Min
Capacity:	4 Ah

LED charge indicator: (Pressing the button will light up LEDs)



HAUPA is not liable for wrong or unintended use

Please remove the battery after use and keep it removed when storing the tool!

MANUAL/INSTRUCTION OF BATTERY

BEFORE OPERATION PLEASE NOTE

- ◆ Do not put the battery together with any metal. Otherwise the battery may have a short circuit.
- ◆ Do not store the battery at a wet/hot space. Put battery in a dry clean space.
- ◆ Do not give the battery to children. Keep the battery away from the children.
- ◆ The electric capacity of battery may be lost and the battery may be damaged if the battery is put in the tool or charger for a long time.
- ◆ Do not heat the battery or put the battery in the fire.
- ◆ Keep the battery away from water, no matter sea water or faucet water. Please keep the battery dry & clean.
- ◆ Do not press/take apart/throw down the battery. Do not let the battery near the water or fire. Also do not put the battery in your pocket.
- ◆ Do not destroy the housing/package/body of battery.
- ◆ Do not use old transformed battery with strange/abnormal appearance.
- ◆ The battery after use will be a little warm.
- ◆ The battery in low temperature (10 Degree or below), the battery will be deteriorated and its use time will be shorter. This is normal.
- ◆ Please follow the instruction of battery manual to charge the battery.
- ◆ Do not charge the battery directly under the sun or in a space with high temperature.
- ◆ Please use charger to charge the same brand battery.
- ◆ Do not use battery with other brand.
- ◆ Please charge the battery before storage if you will not use the battery for a long time. Please charge the battery at least once a month to ensure its life.

HOW TO CLEAN THE BATTERY

- ◆ If the connecting points (+/-) or the cap of battery is dirty. It may cause the electric current can not go through. Therefore you will find the digital monitor will still show "Without Power" under full charged.
- ◆ Please keep the connecting points (+/-) or the cap of battery clean. Please use dry soft cloth to wipe the battery housing/cap and even the connecting points (+/-).
- ◆ Do not use cleaner or chemical cleaner to clean the battery or charger, otherwise they will be damaged.



RECYCLE & THROW AWAY

- ◆ Make sure there is without any power inside the battery before throwing the battery away.
- ◆ Please charge the battery full at the first time use. If the battery's use time is shorter after long time use, it means you need to amend an extra new battery.
- ◆ Please stick gummed tapes on the connecting points (+/-) for fire/explosion preventing. Please follow the local rule of recycling.

SAFETY INSTRUCTION

- This product is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.
- Children should be supervised to ensure that they do not play with the appliance.
- Never recharging non-rechargeable batteries.
- Please follow the manual of battery with correct instruction. Our company does not guarantee anything due to the purpose damage or wrong use.

5. Care and maintenance

Cleaning

- Careful cleaning of the tool, in particular, the moving parts contributes towards a longer useful life. Remember that dust, sand, environmental influences, in particular a high salt index, and dirt in general are extremely damaging to hydraulic tools.
- Particular care should be taken when cleaning the pump drive piston and the piston. The tiniest of contaminations may scratch the walls of the cylinder and damage the leak-proof seals. For the correct cleaning of the piston, we recommend extending the piston and then cleaning it with a high-quality, non-corrosive solution.

Power switch

Check to see whether the switch on the machine automatically pops out again when you release it.

Storage

To prevent damage to the tool as a result of bumps, dust etc. you should if possible store the tools in the original packaging.

Guarantee:

2 year guarantee when used for the purpose it is intended when the annual maintenance intervals are maintained by an authorised HAUPA service centre. We reserve the right to rework the product.

Faults:

Loss of oil:

Send to the HAUPA service centre. Do not open!

Disposal:

...in accordance with the scope of validity of the European WEEE (2002/96/EU) and RoHS directives (2002/95/EU). Batteries must be disposed off separating according to the battery directive.

WITH EVERY REPLACEMENT PART ORDER, INCLUDE THE FOLLOWING INFORMATION:

- 1) Article number.
- 2) Article description.
- 3) Reference to the operating instructions and/or date.
- 4) Tool type.
- 5) Serial number of the tool.

The guarantee is voided if you use parts that are not original replacement parts from HAUPA.



EC declaration of conformity

HAUPA factory certificate

Remscheid, 01.01.2019

Product: Battery hydraulic crimping tool
Product range: Around the cable
Art. no.: 215770-1

Note: A correct connection according VDE 0220 Part 2 is only guaranteed if the user work with Haupa cable lugs and also adequate HAUPA pressing tools.

The tools are not isolated and it is forbidden to work under tension.

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Herewith we declare that the above mentioned tools are manufactured according the following guidelines:

CE guidelines 98/37/EEC, 89/336/EEC

Jens-Ole Paas
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