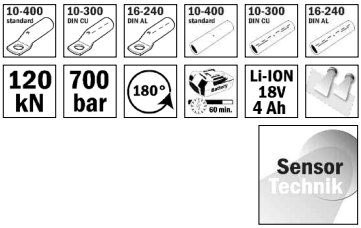
Battery powered crimping tool **INSTRUCTION MANUAL**

## Electro-hydraulic crimping tools




**„AC25-12“**
**Art. 216601-1**

**„AC42-12“**
**Art. 216622-1**

DIN EN ISO 9001 ZERTIFIKAT

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## 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 strap, in a plastic case, without dies. |
| Pressing force: | 120 kN |
| Feed rate: | 2 speeds: Closing (fast) feed to bring the pressing dies to the conductor and working feed for compression.<br>Switching between the two speeds is carried out automatically. |
| 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 hydraulic crimping tool 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

- Pressing force in kN: 120 kN
- Working pressure in bar: 700
- Opening / Hub: 216601-1: 25 mm – 216622-1: 42 mm
- Pressing width: wide
- Motorstop: yes
- Art. 216601-1:
  Crimping range cable lugs: Cu 10-400 / DIN Cu 10-300 / DIN Al 16-240
  Crimping range cable lugs: Cu 10-185 / DIN Cu 10-150 / DIN Al 16-120
- Art. 216622-1:
  Crimping range cable lugs: Cu 10-400 / DIN Cu 10-300 / DIN Al 16-240
  Crimping range connectors: Cu 10-400 / DIN Cu 10-300 / DIN Al 16-240
- Battery charging time in min.: 120
- Battery type: Li-Ion, 18 V, 4 Ah
- Dual-piston pump
- Weight in kg: 216601-1: 7 / 216622-1: 8,5
- Weight of set in kg: 216601-1: 12 / 216622-1: 13

## 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.

## 3.1. Sensortechnology

With the different colours of the sensor LED, it shows whether the pressing has been completed successfully or which errors have occurred:

- Light is green: Pressing completed as standard, motor stopped
- Light is orange: Battery voltage not sufficient
- Light is red: Pressing interrupted before completed

The device also has 2 white LED designed to illuminate the working area.

**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 appropriate pressing dies for the connection to be pressed.
- Insert the pressing dies in the tool head. All of the pressing dies that can be used in these models are half-circles, regardless of the type of crimping or pressing being carried out. They are made up of two parts with identical external measurements, so that they both can be inserted at will into the piston or the head.


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- The procedure for inserting pressing dies is identical for mounting to both piston and head.
- The dies are inserted via the guides until they come to a stop at the blocking pin.
- When inserting into the piston, you must only ensure that this is pushed far enough forward for the release button to be visible and accessible.
- To remove the dies, in both instances, the relevant release button must be activated. Then allow the dies to slide out. Please note that in order to remove the inserts at the piston, the steps listed above must be carried out in reverse order.

**Start:**

- Bring the tool to the working position.
- Select the appropriate pressing dies for the connection to be pressed.
- Insert the pressing dies in the tool head.
- Feed the conductor into the connector.
- Place the connector between the two pressing dies.
- Approach of the pressing dies (closing feed rate)
- Hold the tool securely and press the operating button to move the piston quickly forwards until the pressing dies meet the connector to be compressed.
- As soon as the pressing dies start to compress the connectors, the system automatically switches from closing feed to working feed.
- Press until the pressure limiter can be heard or the pressing dies meet.
- Pressing the front operating button takes the pressure off the system and piston travels back (fully or partially, to directly carry out a compression action).

**IMPORTANT Art. 216601-1:**

If connection sleeves with braided wires with cross-section in excess of 185 $mm^2$ are to be compressed, the cable must be stripped approximately 50 mm further than the amount that will be inserted into the sleeve in order to enable removal from the device head after pressing. If this is not done, the device must later be pushed to the end of the cable or the cable be stripped after crimping.

## 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:


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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!**

## 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, 15.03.2012

| | |
|---|---|
| Product: | Battery hydraulic crimping tool |
| Product range: | Around the cable |
| Art.-no.: | 215880; 216601-1; 216620; 216622-1; 216624; 216503; 216662, 215881, 216800, 216801, 215200; 215700; 217200; 217500; 216662; 216664 |

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
Qualitätsmanagement

Jochen Husli
Produktmanagement

DIN EN ISO 9001 ZERTIFIKAT

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