



## Electro-hydraulic crimping tools

„SD300-6M“ / „SD400-6M“

Art. 216663/M-1 / 216667/M-1



Video 216663/M



Video 216667/M



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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 loop, in plastic case, without pressing dies.
Pressing force:	60 kN
Oil type:	ISO class viscosity 15
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. 216801 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: 60 kN
• Working pressure in bar: 700
• Pressing width: thorn
• Crimping range cable lugs: 216663: Cu 16-300 / 216667: Cu 25-400
• Crimping range connectors: 216663: Cu 16-120 / 216667: Cu 25-400
• Pressing time, battery-operated in sec.: 6-12
• Battery charging time in min.: 30
• Battery type: Li-Ion, 18 V, 2 Ah
• Weight in kg: 216663: 2,4 / 216667: 2,4
• Weight set in kg: 216663: 7,9 / 216667: 7,9

### 2.1. 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 1 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.

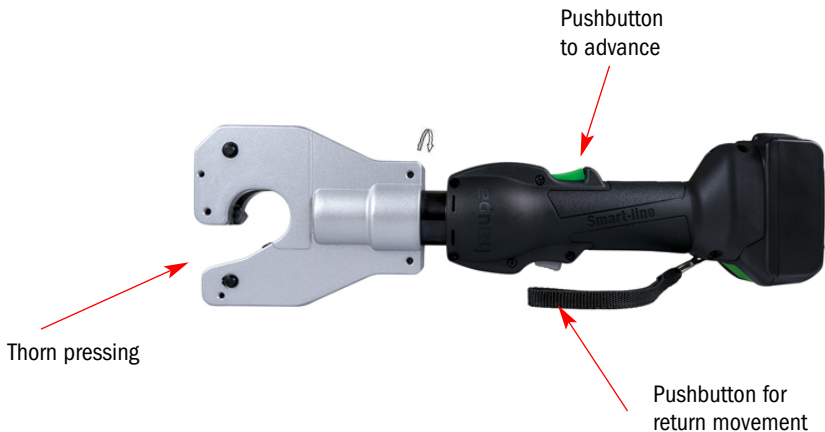
The operating instructions must always be carried with the tool.

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

The operator must ensure that this is the case.

### Start:

- The device has a manual return that brings the piston back to the starting point when the maximum pressing force has been achieved.
- The pressing head can be infinitely rotated by 360° about the longitudinal axis. This enables mounting even in difficult to access locations.
- The pressing head has centring pins which ensure automatic centring of the connection material in the pressing head.



### **3. Notes regarding correct use**

Before you start work, all active, thus current-carrying elements in the area around the assembler must be switched to without power. If this is not possible, protective procedures for working in the vicinity of components under current must be implemented. The charge status of the battery should be checked before you start work

#### **3.1. Operating the device**

First, the bolt is removed and the bar opened. The connection material is place centrally between the 4 pressing spikes.

#### **Caution!**

If the pressing is not centred, this may result in damage to the pressing head!

Then the pressing head is fully closed up again. The actuation of the operating switch triggers the pressing procedure which is characterised by the meeting of the pressing spikes. A pressing procedure is completed when the pressing spikes have been joined and the device switches over to idle.

The return of the piston is carried out manually after the maximum operating excess pressure is reached. Then a further pressing procedure can be carried out or the bar can be opened and the connection material removed from the pressing head.

Before reaching into the pressing head, remove the battery to ensure that the device is not activated accidentally.

Pressing the reset button brings the pressing spikes back to the starting position in the event of faults or an emergency.

The pressing procedure can be interrupted at any time by releasing the operating switch.

#### **3.2. Explanation of the areas of application**

The pressing tool has pressing spikes that use force to compress copper and aluminium connection materials without the need to change tools.

## 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.

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## **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.

### **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:**

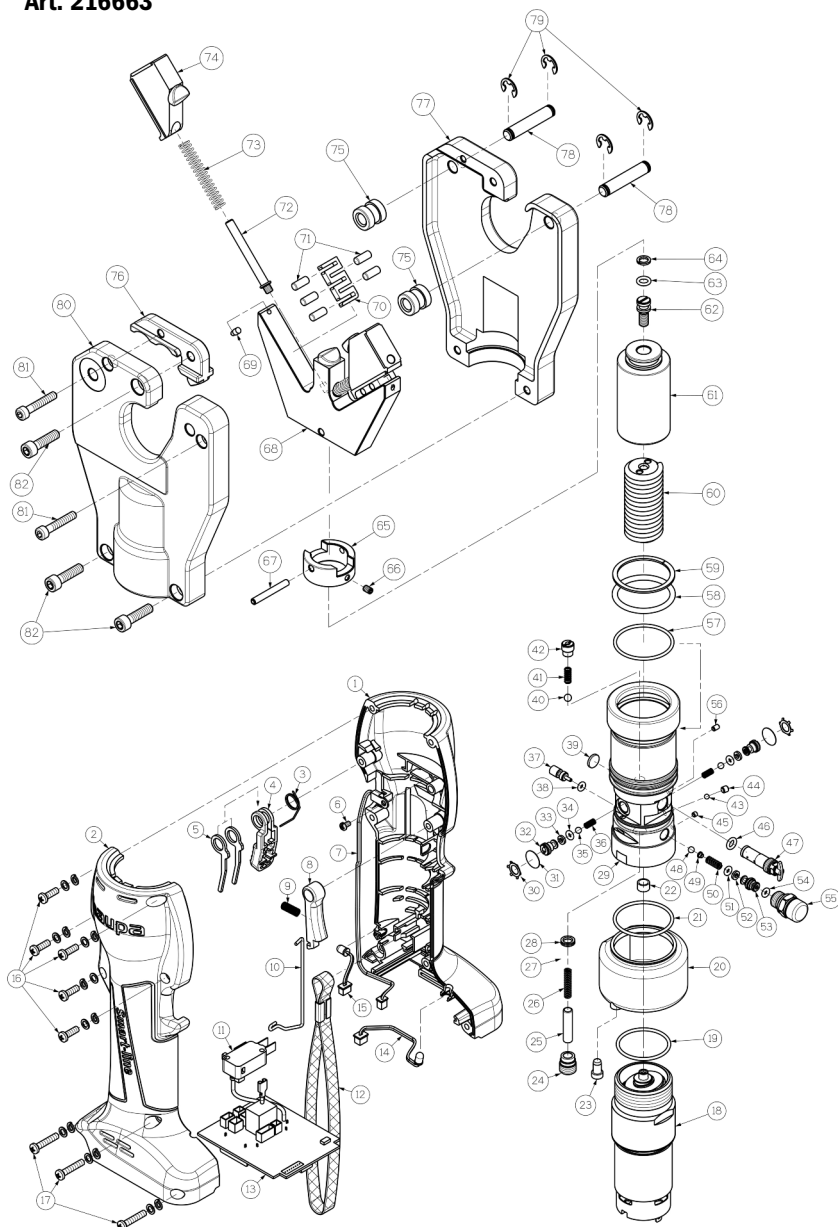
...in accordance with the scope of validity of the European WEEE (2002/96/EU) and RoHS directives (2002/95/EU). Batteries must be disposed off separating according to the battery directive.

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.



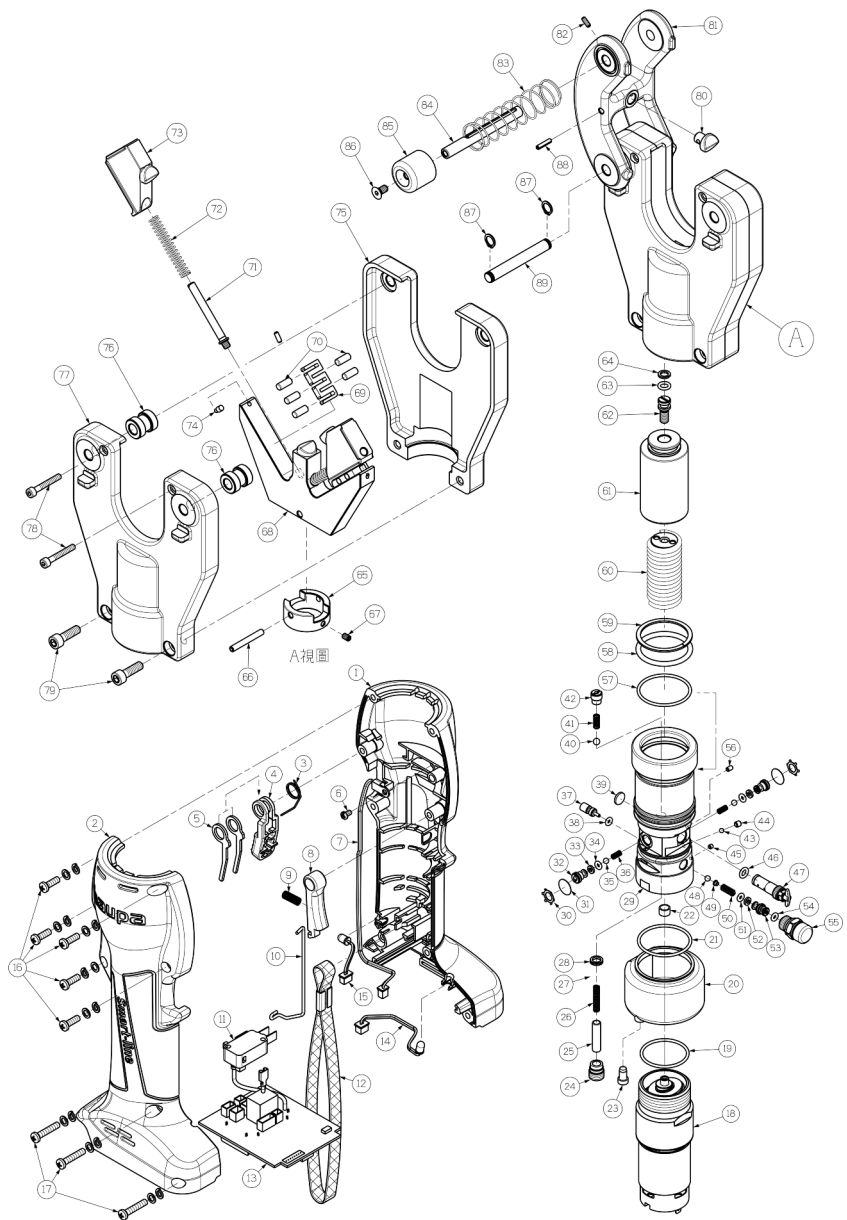
**Art. 216663**

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Art. 216667





# **EC declaration of conformity**

## **HAUPA factory certificate**

**Remscheid, 01.01.2019**

Product: Battery hydraulic crimping tool  
Product range: Around the cable  
Art. no.: 216663/M-1, 216667/M-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

A handwritten signature in blue ink, appearing to read "Jens-Ole Paas".

Jens-Ole Paas  
Qualitätsmanagement

A handwritten signature in blue ink, appearing to read "Jochen Husli".

Jochen Husli  
Produktmanagement



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