

# V611

**GB** Directions for use

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Ser. no. \_\_\_\_\_



**EIPRESS**<sup>®</sup>



Dies

**English**

- 1. Set screw
- 2. Operating handle
- 3. Release lever
- 4. Jaw clasp

# Directions for use for hydraulic tool V611

## Technical data

- weight 2,5 kg
- dimensions 425 x 115 x 53 mm
- crimp force up to 55 kN

## Tooling table V611

| KR-KRF/KS-KSF   |               |                      |          |                  |
|-----------------|---------------|----------------------|----------|------------------|
| mm <sup>2</sup> | set screw pos | dies for KRF/KSF     | die nest | numbers of crimp |
| 10              | 1             | TB8-17               | 8        | 1                |
| 16              | 1             | TB9-13               | 9        | 1                |
| 25              | 1             | TB11-14,5            | 11       | 1                |
| 35              | 1             | TB9-13               | 13       | 1                |
| 50              | 1             | TB11-14,5            | 14,5     | 1                |
| 70              | 1             | TB8-17               | 17       | 2                |
| 95              | 1             | TB7 <sup>1</sup> -20 | 20       | 2                |
| 120             | 2             | KB22                 |          | 3                |
| 150             | 2             | KB25                 |          | 3                |

<sup>1</sup> TB7 for crimping of special splices on Cu-conductors type Excel or the like.  
Note: Screw pos. see Fig 3.

| C-sleeves    | mm <sup>2</sup> per conductor / tot. area mm <sup>2</sup> | dies      | crimp in die nest |
|--------------|---|-----------|-------------------|
| C25-50 (C89) | 16-50 / 50-100*   | TBC89-B13 | C89               |
| C6-10        | 6-16 / 12-26*   | TBC5-C6   | C5                |
| C16-25       | 5-25 / 130-50*  | TBC5-C6   | C6                |

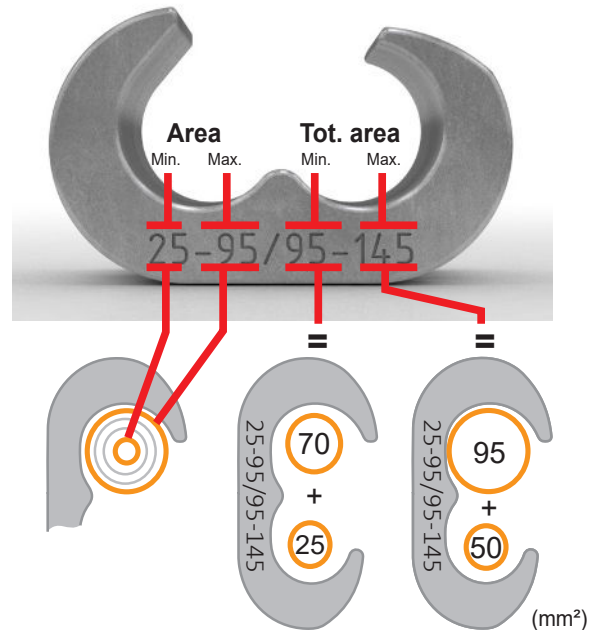
\* See picture

| KRD-KSD (KR10/KS10) |               |                      |          |                  |
|---------------------|---------------|----------------------|----------|------------------|
| mm <sup>2</sup>     | set screw pos | dies for KRD/KSD     | die nest | numbers of crimp |
| 10 <sup>2</sup>     | 1             | TB8-14               | 8        | 1                |
| 16                  | 1             | TB9-14               | 8        | 1                |
| 25                  | 1             | TB9-12               | 9        | 1                |
| 35                  | 1             | TB11-16              | 11       | 1                |
| 50                  | 1             | TB9-12               | 12       | 1                |
| 70                  | 1             | TB8-14               | 14       | 1                |
| 95                  | 1             | TB11-16              | 16       | 2                |
| 120                 | 1             | TB7 <sup>1</sup> -19 | 19       | 2                |
| 150                 | 2             | KB22                 |          | 3                |
| 185                 | 2             | KB25                 |          | 3                |

<sup>1</sup> TB7 for crimping of special splices on Cu-conductors type Excel or the like.

<sup>2</sup> For terminals and connectors KR and KS types.

Note: Screw pos. see Fig 3.



| KRT-KST         |               |                      |          |                  |
|-----------------|---------------|----------------------|----------|------------------|
| mm <sup>2</sup> | set screw pos | dies for KRT/KST     | die nest | numbers of crimp |
| 10              | 1             | TB7 <sup>1</sup> -19 | 7        | 1                |
| 16              | 1             | TB8,5-18             | 8,5      | 1                |
| 25              | 1             | TB10-16              | 10       | 1                |
| 35              | 1             | TB12-14              | 12       | 1                |
| 50              | 1             | TB12-14              | 14       | 1                |
| 70              | 1             | TB10-16              | 16       | 2                |
| 95              | 1             | TB8,5-18             | 18       | 2                |
| 120             | 1             | TB7 <sup>1</sup> -19 | 19       | 2                |
| 150             | 2             | KB22                 |          | 3                |
| 185             | 2             | KB25                 |          | 3                |
| 240             | 2             | KB26                 |          | 3                |

<sup>1</sup> TB7 for crimping of special splices on Cu-conductors type Excel or the like.  
Note: Screw pos. see Fig 3.

### Crimping procedure

1. Select the correct combination of dies. Open the hinged jaw, set the positioning screw, picture 3, in correct position, and insert the die set into the presshead. Close Jaw clasp 4, see fig. 1.
2. Insert the terminal/connector between the dies, and pump the operating handle so that the lower die locks onto the terminal. The die set should be approx. 2 mm from the outer edge of the terminal.
3. If the terminal is locked in the wrong position before crimping, use the release lever and return the inner die for a short distance. Repeat the procedure.
4. Insert the conductor until it is visible through the inspection hole of the terminal.
5. Complete the compression sequence until the maximum pressure has been reached. At the maximum pressure, a clear mechanical sound will be heard from the pump and the force necessary to operate the pump lever will decrease noticeably.

**Note! Number of crimps, see tooling table and fig 2.**

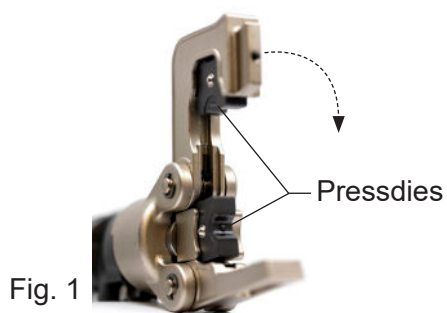


Fig. 1

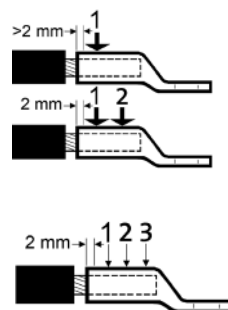


Fig. 2



Fig 3

# MAINTENANCE INSTRUCTIONS

The V611 is of robust design, but should still be treated with care. Avoid subjecting the tool to heavy blows and shocks. The tool should be kept clean at all times. Grease working parts periodically with a suitable lubricant.

## Topping up with oil and bleeding

The gaskets and seals are of the highest quality, but a minor loss of oil may nevertheless occur after a period of operation and the tool must then be topped up with a little oil type Shell Tellus Arctica 32. (The total oil volume is about 0,10 litres.)

Before topping-up with oil, ensure that the tool has been very carefully cleaned on the outside. It is extremely important to exclude even the smallest dirt particles from the hydraulic system.

Grip the tool in a vice with the handles upwards and the die set fitted in the fork.

Unscrew the locking Allen screw on the handle.

Unscrew the fixed tubular handle by means of a pipe wrench or slip-joint pliers. A better grip can be obtained by wrapping a strip of emery cloth around the steel tube and gripping the cloth with the wrench or pliers.

Release and remove the screw in the top end of the reservoir (the rubber hose).

**Note! The oil used for topping up must be unused and perfectly clean.**

With the tool still in the vertical position (i.e. with the handles upwards), the oil level should be up to the edge of the filler hole. Operate the pump with the die set in the fork until full pressure is attained, and the piston can then be retracted. Repeat this until all air has been bled out of the system.

Thereafter carefully pump up the piston about 2-3 mm and top up with a little more oil, so that the level will be reliably up to the edge of the hole. Refit and tighten the screw head until a satisfactory seal will be obtained. Wipe off any oil which may have been spilled onto the outside of the oil reservoir. Refit the tubular handle, lock it with Allen screw. The tool is then ready for use (= functional testing).

## WARNING!



Ensure locking arm is fully located before proceeding with the crimping operation.

Care must be taken not to trap fingers between the handles during use.

Do not allow fingers into the crimp area during compression.

Ensure compression head faces safely away from any person in the vicinity (including the operator).

This hydraulic crimp tool produces over 5.5 tonnes force — please treat with respect.

## SERVICE

Should the tool fail to operate despite correct useage, the right oil level, and after air in the system is removed, we recommend that it is returned to the factory for examination or to an authorized service shop.

Do not attempt to carry out work on the pump system or the release valve. The construction of the pump is complicated necessitating the use of special tools for dismantling and assembling the system components.





