



# SO FAST IN SERIES PRODUCTION - THE KLAUKE MICRO

The Klauke Micro is as convenient and quick as a mechanical tool, and just as powerful and easy to handle as a battery-powered hydraulic tool. Compact and portable in one device! Thanks to the innovative PowerSense technology. This tool simplifies your work like never before.



**Klauke®** *micro*

## ► Manual pre-clamping - motorized crimping

- Flexible to use with interchangeable crimping dies
- Broad application range of up to 50 mm<sup>2</sup>
- With LED illumination of the crimp position and the work area
- Low weight (< 1 kg)
- Intuitive operation thanks to PowerSense function
- Electronic control with ratchet function and motor stall protection
- Automatic retraction
- Long service life with servicing intervals of 35,000 cycles
- 3 year warranty on tool registration

**Link to tool registration:**  
[werkzeugregistrierung.klauke.com/en/  
login-tool-registration](http://werkzeugregistrierung.klauke.com/en/login-tool-registration)





## EK 50 ML Electromechanical crimping tool 0.14 - 50 mm<sup>2</sup>



**K50**  
SERIE

- ▶ The Klauke micro with intuitive PowerSense function combines the benefits of manual crimping tools with the convenience of battery powered hydraulic crimping tools
- ▶ Excellent crimps with minimum effort

### Characteristics

- Simple and safe: One-button operating concept for controlling all tool functions
- Electronic control with locking function monitors full closing of the dies
- Simple and safe: Automatic retraction when operation is complete
- Manual retract as required
- Motor stall protection
- Ergonomic 2C housing in the Klauke "In-line Design"
- Tool fixing point for use with balancer aid or lanyard
- Very low weight and high speed for maximum efficiency
- Powerful drive technology for effortless operations
- Powerful 10.8 V Li-Ion battery with charge status display
- LED for work area illumination
- Maintenance display via LED
- Project-based reporting with Klauke i-press software package

### Suitable for

- 50-series interchangeable dies

| Technical data                                                                                                      |                                                                     |      |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------|
| Crimping force                                                                                                      | max. 15 kN                                                          |      |
| Crimping range                                                                                                      | 0.14 - 50 mm <sup>2</sup>                                           |      |
| Number of crimps                                                                                                    | approx. 300 at 10 mm <sup>2</sup> Cu DIN 46234 / per battery charge |      |
| Battery voltage                                                                                                     | 10.8 V                                                              |      |
| Battery capacity                                                                                                    | 1.5 Ah, Li-Ion                                                      |      |
| Charging time                                                                                                       | approx. 40 min.                                                     |      |
| Weight incl. battery                                                                                                | 0.96 kg                                                             |      |
| Ambient temperature                                                                                                 | -10 °C up to +40 °C                                                 |      |
| Item                                                                                                                | Part No.                                                            |      |
| Electromechanical crimping tool 0.14 - 50 mm <sup>2</sup>                                                           | <b>EK50ML</b>                                                       |      |
| Scope of supply                                                                                                     | Part No.                                                            | Page |
| Battery 10.8 V / 1.5 Ah, Li-Ion (16.2 Wh)                                                                           | RAML1                                                               | 493  |
| Charger for 10.8 V Li-Ion batteries, 230V                                                                           | LGML1                                                               | 495  |
| Crimping dies IS 50, double crimping, 0.5 - 6 mm <sup>2</sup>                                                       | IS501                                                               |      |
| Plastic case 450 x 370 x 105 mm                                                                                     | KKEKP1B                                                             |      |
| Variants                                                                                                            | Part No.                                                            | Page |
| Battery powered hydraulic crimping tool 6 - 150 mm <sup>2</sup>                                                     | EK50ML-L                                                            |      |
| L-BOXX with electro-mechanical crimping tool EK 50 ML 0.14 to 50 mm <sup>2</sup> and extensive additional equipment | LBOXXEK50ML                                                         |      |

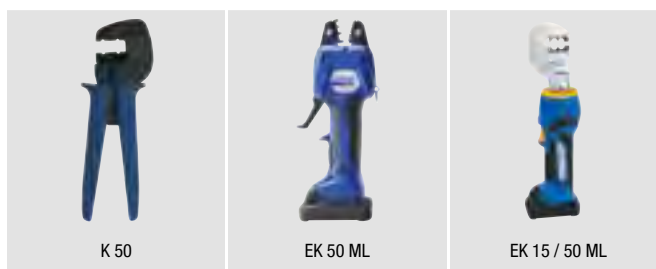




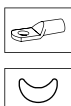
## Available dies of series 50 for EK 50 ML

| Suitable for                                                                           | Connection material                                                                 | Crimping range mm <sup>2</sup> | Crimp profile                                                                         | Page |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------|------|
| <b>Copper tubular cable lugs and connectors</b>                                        |                                                                                     |                                |                                                                                       |      |
| Tubular cable lugs and connectors, standard type                                       |    | 0.75 - 10                      |    | 326  |
| Tubular cable lugs and connectors, standard type                                       |    | 16 - 25                        |    | 326  |
| Tubular cable lugs and connectors for solid conductors                                 |    | 1.5 - 10                       |    | 326  |
| <b>Copper compression cable lugs and connectors acc. to DIN</b>                        |                                                                                     |                                |                                                                                       |      |
| Copper compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1)           |    | 6 - 25                         |    | 326  |
| <b>Terminals, connectors and pin terminals acc. to DIN, copper</b>                     |                                                                                     |                                |                                                                                       |      |
| Solderless terminals (DIN 46234), connectors (DIN 46341) and pin terminals (DIN 46230) |    | 0.5 - 10                       |    | 326  |
| <b>Cable end-sleeves</b>                                                               |                                                                                     |                                |                                                                                       |      |
| Cable end-sleeves                                                                      |    | 0.14 - 50                      |    | 326  |
| <b>Cable connections, insulated and non-insulated</b>                                  |                                                                                     |                                |                                                                                       |      |
| Insulated cable connections, double crimping                                           |    | 0.1 - 6                        |    | 327  |
| Insulated cable connections, single crimping                                           |   | 0.5 - 16                       |   | 327  |
| Non-insulated receptacles                                                              |  | 0.25 - 6                       |  | 327  |
| BNC connectors for coax cables RG 58,59,60 and 71                                      |                                                                                     |                                |  | 327  |
| Turned pin connectors and receptacles                                                  |                                                                                     | 0.1 - 4                        |  | 327  |

# K50 SERIE



## Crimping dies R 50



### Suitable for

- Tubular cable lugs and connectors - Cu, standard type

| Cross section<br>mm <sup>2</sup> | Part No.    |
|----------------------------------|-------------|
| 0.75 - 2.5                       | <b>R501</b> |
| 4 - 10                           | <b>R502</b> |

## Crimping dies D 50



### Suitable for

- Compression cable lugs to DIN 46235 and connectors to DIN 46267, part 1 - Cu

| Cross section<br>mm <sup>2</sup> | Part No.    |
|----------------------------------|-------------|
| 6 - 16                           | <b>D504</b> |
| 16 - 25                          | <b>D505</b> |

## Crimping dies R 505



### Suitable for

- Tubular cable lugs and connectors - Cu, standard type

| Cross section<br>mm <sup>2</sup> | Part No.    |
|----------------------------------|-------------|
| 16 - 25                          | <b>R505</b> |

## Crimping dies Q 50



### Suitable for

- Solderless terminals to DIN 46234 and pin terminals to DIN 46230 - Cu
- Solderless connectors to DIN 46341 - Cu

| Cross section<br>mm <sup>2</sup> | Part No.    |
|----------------------------------|-------------|
| 0.5 - 10                         | <b>Q501</b> |

## Crimping dies M 50

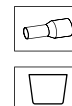


### Suitable for

- Tubular cable lugs and connectors for solid conductors

| Cross section<br>mm <sup>2</sup> | Part No.      |
|----------------------------------|---------------|
| 1.5 - 4                          | <b>M50154</b> |
| 6 - 10                           | <b>M50610</b> |

## Crimping dies AE 50



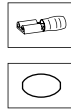
### Suitable for

- Cable end-sleeves

| Cross section<br>mm <sup>2</sup> | Part No.     |
|----------------------------------|--------------|
| 0.14 - 10                        | <b>AE501</b> |
| 10 - 25                          | <b>AE502</b> |
| 35 - 50                          | <b>AE503</b> |



## Crimping dies IS 50, single crimping

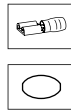


### Suitable for

- Insulated cable connections, single crimping

| Cross section<br>mm <sup>2</sup> | Part No.      | for item                                   |
|----------------------------------|---------------|--------------------------------------------|
| 10 - 16                          | <b>IS5072</b> | ST1716IS, ST1717IS,<br>652C5, 652C6, 653C6 |
| 0.5 - 2.5                        | <b>IS504</b>  | 670 WS, 680 WS                             |
| 4 - 6                            | <b>IS505</b>  | 700 WS                                     |

## Crimping dies IS 50, double crimping

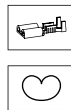


### Suitable for

- Insulated cable connections, double crimping

| Cross section<br>mm <sup>2</sup> | Part No.     | for item   |
|----------------------------------|--------------|------------|
| 0.5 - 6                          | <b>IS501</b> |            |
| 0.1 - 1                          | <b>IS503</b> | 8201-8201B |

## Crimping dies CR 50



### Suitable for

- Non-insulated receptacles

| Cross section<br>mm <sup>2</sup> | Part No.     | for item      | Tab Width |
|----------------------------------|--------------|---------------|-----------|
| 0.25 - 6                         | <b>CR501</b> |               | 2.8 / 6.3 |
| 0.5 - 2.5                        | <b>CR502</b> |               | 4.8       |
| 0.5 - 1                          | <b>CR503</b> | 38201, 38201A | 2.8       |
| 0.5 - 2.5                        | <b>CR504</b> | 3720, 3735    | 6.3       |
| 0.5 - 1.5                        | <b>CR505</b> | 3725          | 6.3       |

## Crimping dies BNC 50



### Suitable for

- Stud and shielded sleeves
- BNC plugs for coax cable RG 58, 59, 62 and 71

| Part No.      |
|---------------|
| <b>BNC501</b> |

## Crimping dies SB 50



### Suitable for

- Turned pin receptacles
- Pin connectors

| Cross section<br>mm <sup>2</sup> | Part No.     |
|----------------------------------|--------------|
| 0.1 - 1; 1.5 - 2.5; 4            | <b>SB501</b> |