



Quality Tools, Equipment & Line Materials for the Energy Industry.

Klauke[®]

**NEXT
GENERATION**

1000V Insulated Battery Tools

Klauke's Orange Line series of battery powered hydraulic cutting and crimping tools are the **WORLD'S FIRST** of their kind, offering protection from electric shocks up to 1000V AC & 1500V DC. The TRI-INSULATION BARRIER, developed in-house, prevents voltage discharging between tool head and tool body. Every single tool is tested for compliance with the electrical requirements of IEC 60900 in their production process. This guarantees voltage protection up to 1000V.

TRI-INSULATION BARRIER



- 1. CREEPAGE DISTANCE**
CLEVER DESIGN ENSURES
MINIMUM 12.5MM DISTANCE
BETWEEN NON INSULATED PARTS
- 2. PA6 INSULATION**
PLASTIC HOUSING MATERIAL
WITH EXCELLENT INSULATING
PROPERTIES
- 3. DIELECTRIC OIL**
HYDRAULIC OIL WITH HIGH
DIELECTRIC INSULATING PROPERTY

- VDE tested and certified up to 1000V in accordance to the electrical requirements of IEC 60900.
- Insulation from the head provides protection for the operator.
- Bright Orange rubberised body provides non slip protection and differentiates from standard tools.

Working on or near live low-voltage parts up to 1000V is often part of every day work in certain sectors. The use of insulated manual hand tools in tight workspaces and exerting the force required to operate insulated manual hand tools poses a safety risk to the operator.

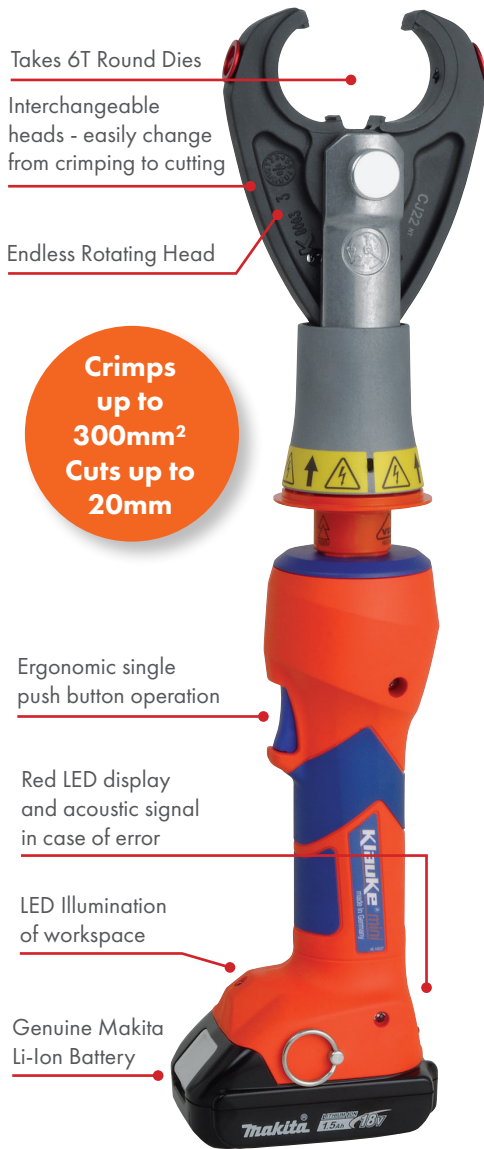
Klauke Orange tools offers battery-powered cutting and crimping that can significantly reduce operator risk by improving precision and safety in these hazardous work conditions.

**Klauke Insulated Tools
provide a safer option**





1000V Insulated Battery Crimping Tool - 5 Tonne



Part No. EK425ISM

- Bright Orange rubberised body provides non slip protection and differentiates from standard tools
- Insulated and VDE certified to 1000V in accordance to the electrical requirements of IEC 60900 for increased safety
- Tri-Insulation Barrier prevents voltage discharging between tool head and tool body
- All tool data in view thanks to the LCD display and Klauke i-press software

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NEXT
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53kN force in a
lightweight tool
of only
2.6kg

Features

- Suitable for ABC, 6 to 240mm² Cu & 10 to 300mm² Al
- All data can be easily read via Bluetooth
- Visual and audible signals in case of error
- One-button controlling all tool functions
- Balanced centre of gravity
- Endless Rotatable head
- LED for illuminating work area
- Automatic retraction when operation is complete

Order Information

Part No	Description
EK425ISM-0	Tool skin and case
EK425ISM-K	Tool, 2 x batteries, charger and case

Technical Data

Crimping Force	53kN
Application	5 Tonne Crimping
Crimping Capacity	Cu/Al 240mm ² , ACSR 185mm ²
Battery	Makita 18V, 1.5Ah, Li-ion
Charging Time	15min
Stroke/Opening Width	40mm
No of crimps per charge	140 @ 70mm ²
Dimensions	430mm(H) x 110mm(W) x 80mm (D)
Weight	2.6kg including battery

Available accessories



Makita 230VAC Rapid Charger
Part No. DC18RC



Makita 18V, 1.5Ah, Li-ion Battery
Part No. BL1815N



6T Style Dies available
Contact TEN for
further details



Cutting Heads	CJ-ACSR	CJ-CU
Capacity	17.5mm OD	20mm OD
Length	145mm	140mm
Weight	1kg	1kg
Cuts	ACSR/Steel	CU/AL



1000v Insulated Battery Cutting Tool - 20mm & 25mm

- Bright Orange rubberised body provides non slip protection and differentiates from standard tools
- Insulated and VDE certified to 1000V in accordance to the electrical requirements of IEC 60900 for increased safety
- Tri-Insulation Barrier prevents voltage discharging between tool head and tool body
- All tool data in view thanks to the LCD display and Klauke i-press software

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Features

- All data can be easily read via Bluetooth
- Visual and audible signals
- One-button controlling all tool functions
- Balanced centre of gravity
- Endless Rotatable head
- LED for illuminating work area
- Automatic retraction when operation is complete
- Makita Battery System

Meets the electrical requirements of IEC 60900

Klauke Insulated Tools provide a safer option

Cuts
Cu, Al,
ACSR &
Stays

Endless Rotating Head

Cuts
Cu, Al
& ACSR

Endless Rotating Head

Ergonomic single push button operation

Order Information

Part No.	Description
ESM25ISM-0	Tool skin and case
ESM25ISM-K	Tool, 2 x batteries, charger and case

Order Information

Part No.	Description
ES20ISM-0	Tool skin and case
ES20ISM-K	Tool, 2 x batteries, charger and case

Genuine Makita Li-Ion Battery

Technical Data

Part No.	ESM25ISM	ES20ISM
Cutting Force	67kN	23kN
Cutting Range	Bare wire (ACSR) to 25 mm dia., stay wires to 16 mm dia., high-tensile stay wires to 12 mm dia	Up to 20mm dia (dependent on cable/wire type)
Battery	Makita 18V, 1.5Ah, Li-ion	
Charging Time	15min	
Weight	2.9kg including battery	2.1kg including battery



1000v Insulated Battery Cutting Tool - 32mm & 50mm

- Bright Orange rubberised body provides non slip protection and differentiates from standard tools
- Insulated and VDE certified to 1000V in accordance to the electrical requirements of IEC 60900 for increased safety
- Tri-Insulation Barrier prevents voltage discharging between tool head and tool body
- All tool data in view thanks to the LCD display and Klauke i-press software

Klauke[®]
**NEXT
GENERATION**

Features

- All data can be easily read via Bluetooth
- Visual and audible signals
- One-button controlling all tool functions
- Balanced centre of gravity
- Endless Rotatable head
- LED for illuminating work area
- Automatic retraction when operation is complete
- Makita Battery System

Streamline design makes the ESM50 ideal for cutting larger cables in confined spaces

**Cuts
Cu & Al**

Endless Rotating Head



**Cuts
Cu & Al**

Endless Rotating Head



Ergonomic single push button operation

Order Information

Part No.	Description
ES32ISM-0	Tool skin and case
ES32ISM-K	Tool, 2 x batteries, charger and case

Order Information

Part No.	Description
ESM50ISM-0	Tool skin and case
ESM50ISM-K	Tool, 2 x batteries, charger and case

Genuine Makita Li-Ion Battery

Technical Data

Part No.	ES32ISM	ESM50ISM
Cutting Force	15kN	38kN
Cutting Range	Up to 32mm dia (dependent on cable/wire type)	Up to 50mm dia (dependent on cable/wire type)
Battery	Makita 18V, 1.5Ah, Li-ion	
Charging Time	15min	
Weight	2.1 kg including battery	3.1 kg including battery