

For all those who want more



Battery-powered crimping
and cutting tools
from Klauke

Verbindungen mit **System**
The **Power** of Partnership

Klauke[®]
A Textron Company

Why settle for less?

Tools with added value

The range of battery-operated crimping and cutting tools is indeed large, but it's easy to choose when we attach value to more – more reliability, more convenience, more performance. Claims that Klauke tools live up to with ease – in fact in each individual device. With 10.8 V or 18 V Lithium-Ion battery, Klauke offers the optimum tool solution for every application.

The more you want, the more you get:

Optimised reliability for meeting the toughest demands.

10.8 V tool range



More safety

10.8 V – a generation for safe operations

- multifunction LED for maintenance display and data transmission via optical USB interface
- instant reading of charge status
- motor quick stop for high user safety



More power

10.8 V – a generation for simple operations

- powerful and compact 10.8 V Lithium-Ion battery
- interchangeability of batteries and chargers within the tool range – including the Klauke micro





More comfort

The tools simply sit better in your hand: The 2-component grip area ensures a pleasant grip touch, prevents slipping and pressure points. And the optimised centre of gravity position permits a relaxed tool – even when working overhead.

A tool generation for convenient and effortless operations

- secure grip with 2-component housing
- optimised centre of gravity position
- one-button operating concept for the simplest handling
- high-performance LED for work area illumination



18 V tool range



More safety

18 V – a tool generation for transparent and safe operations

- **monitoring in-situ:** Control and monitoring electronics with integrated pressure measurement and instant error display without the aid of additional devices
- **end reporting:** Evaluation function via optical interface and USB adapter for the formal documentation of correct function
- **performance monitoring:** Multifunction LED for maintenance and battery monitoring



More power

18 V – a tool generation for continuous and efficient operations

- powerful 18 V Lithium-Ion battery with 50 % more energy
- extremely short charging times with MAKSTAR charging technology from Makita
- power-saving function with motor cut-out (Autostop) on completion of the crimping process
- automatic retract stop (ARS) after crimping: For efficient position control with several identical crimpings one after another

Battery-powered crimping and cutting tools from Klauke

All the benefits at a glance

	Features	Benefits
Capacity		
	10.8 V Li-Ion battery	Small battery – giant performance
	High-power 18 V Li-Ion battery	Short charging time: 15 or 22 minutes
	Automatic motor stop saves energy	More crimpings per battery charge, less energy consumption
	Automatic retraction stop	Saves time and battery capacity
	Manual retraction stop with „teach-in“	Saves time and battery capacity
	Manual retract stop	Saves time and battery capacity
	2-stage hydraulic system	Faster operations
Safety		
	Motor quick stop	Protects against injury
	Integrated pressure sensor	Safety
	Proof of crimping quality	Assurance
	Automatic retraction	Ensures that every crimping is complete
	Displays maintenance requirement	Fast maintenance procedures through certified Service Centers worldwide
Ergonomic		
	LED for workplace illumination	Ideal when working in control cabinets, for instance
	Head rotates through 360°	Easy access to all required positions
	Ergonomic and balanced 2-component housing	More convenient handling for effortless operations



Micro	Mini	Mini+		Ultra+		MULTI
		Cutting	Crimping	Cutting	Crimping	
•	•					
		•	•	•	•	•
		•	•	•	•	•
			•*		•	
						•
		•	•*	•		
				•	•	•
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* model-dependant

Trust is good, Klauke is better

Klauke i-press: Your advantage for quality assurance

Quality assurance is paramount at Klauke. And so our tools from the 18 V product range give you reliable feedback not only during crimping, but after the process too: with i-press software. The USB adapter developed specifically for this purpose ensures quality determination and assurance following crimping.

Monitoring during the crimping process

The Intelligent Pressing System (IPS) integrated into the tool is a built-in self-monitoring system which checks that the pressure required for each crimp is achieved. If this is ever not the case, an audible signal is emitted immediately after the incorrect crimp and a red LED illuminates. And so an error is communicated to the user immediately.

Proof of the quality produced

The IPS also supplies all tool data to the PC via a USB adapter. This allows the user to program a project into the tool, evaluate it on completion and present to his customer proof of the quality produced in the form of an inspection report.

The inspection report is created by the Klauke i-press software as a clearly-arranged PDF document showing date and time and can be printed out and used on-site. This gives not only the user absolute assurance that the crimpings were correctly carried out and meet the requirements, but the customer too. The i-Press software can be simply and easily downloaded from our Download area at www.klauke.de.



Data transmission
via optical interface



PGA1



Characteristics

- simple connection via optical USB interface
- proof of trouble-free function of hydraulic crimping tools with the Intelligent Pressing System (IPS)
- evaluation of crimping quality
- transmission of crimp and machine data from tool to the computer
- project-specific inspection report as a PDF document



Software
i-press[®]

Project log

Klauke	Date	22. October 2013, Time: 12:12:4	
Alex Jochem	Time	12:12:4	
test	Client	many cu.	
Number of crimps	EK505L_Schulungsraum	43	
desired pressure value p _{min}		520.1	
Interval		10000	
Unit		bar	
Evaluation			
Start: 22. October 2013, Time: 12:10	Date project end: 22. October 2013, Time: 12:12		
Current consumption in amp-hours	Operating hours	Number of low pressure incidents p < p _{min}	Pressure values p >
		on manual retraction (motor not in operation)	on automatic retraction (motor in operation)
		min.	mean
0.23	0.01	1	1 520
Counter reading	Peak pressure	Counter reading	Peak pressure
	0		

USB

Evaluation via USB interface

Technical data

i-press

Item no.	PGA1
Length (m):	1.80 m (USB cable)
System requirements:	from Windows XP
Version:	USB 2.0
Weight (g):	315 g

Micro compactness, maximum efficiency

The **Klauke® micro** combines the benefits of manual crimping tools with the convenience of battery-powered crimping tools into one. Its compact design makes it ideal for applications where connection material has to be crimped quickly and in high volumes, but where a handy, mobile tool is also required. The ideal solution for all those wanting both – maximum efficiency and operating comfort.

Crimping of cable connections, cable end-sleeves and cable lugs

LED light for illuminating crimping point and working area

PowerSense Technology

One-lever operating concept for controlling all tool functions

Mounting lug for use with balancer or for securing in field work

Comfortable 2-component grip for one-hand operation

Multifunction LED for maintenance display and data transmission, and powerful Li-Ion battery with charge status indicator

EKM 50 ML



Benefit of extended guarantee at tool registration:
<http://werkzeugregistrierung.klauke.com/en/login-tool-registration/>

Frequent manual crimping: eventually leads to an overstraining in the wrist and under arm region.

Up to
20 kg

manual force/
crimping

Motorised crimping with innovative PowerSense function: ensures optimised efficiency with less straining and minimum risk to health.

Less than
2 kg

manual force/
crimping

Sick leave is expensive.

Investing in the right tool quickly pays off.



⊗ Klauke micro purchase costs

∅ Costs for the absence of an employee

The world's first electromechanical crimping tool with PowerSense technology



1. Manual pre-clamping



2. Motorised crimping



... and done

Klauke® micro

Characteristics:



Very easy handling thanks to PowerSense technology



Ergonomic two-component housing in the Klauke „In-line Design“



Automatic retraction when crimping is complete



Interchangeable Klauke 50-series crimping dies for all standard applications up to 50 mm²



High speed: Crimp time < 1.5 sec.



Very low weight: Tool incl. battery < 1 kg



10.8V Lithium-Ion battery



Electronic control with blocking function and motor stall protection



LED light for illumination



Long service life with servicing intervals of 35,000 cycles

Scope of supply:



- rigid plastic case for the secure storage of tool and accessories
- 10.8 V / 1.5 Ah, Li-Ion (16.2 Wh) battery
- charger for 10.8 V Li-Ion battery, 230 V
- crimping insert for insulated cable connectors 0.5 - 6 mm²

Accessories:



- USB adapter PGA1
incl. i-press software

Crimping tools:

Technical data	EKM 50 ML
Crimping force:	15 kN
Crimping time:	< 1.5 sec. (based on connection material)
Crimping range:	0,14 - 50 mm ²
Number of crimps:	approx. 300 at 10 mm ² Cu DIN 46234
Weight incl. battery:	0.96 kg
Item no.:	EK50ML
Variants:	EK50ML-L LBOXXEK50ML

Variants:



- electromechanical crimping tool
0.14 - 50 mm² with RAML1 battery,
excl. charger, crimping die, case



- L-BOXX with electromechanical crimping tool
EK 50 ML 0.14 - 50 mm² and extensive accessories

Great convenience, small package

The **Klauke[®] mini** is a genuine lightweight among the battery-powered hydraulic crimping and cutting tools, and adept in applications with small cross-sections, e.g. in control cabinet construction. Its rod-shaped design and convenient 2-component grip also permits easy handling with just one hand. The ideal prerequisites for making each operation easy – even in tight spaces.



Crimping tools:



Technical data	EK 35/4 ML	EK 15/50 ML	EKP 1 ML
Crimping force:	35 kN	13 kN	10 kN
Stroke/opening width:	9 mm	9 mm	9 mm
Crimping range:	6 - 150 mm ²	0.14 - 50 mm ²	0.14 - 16 mm ²
Number of crimps:	approx. 145 at 120 mm ²	approx. 230 at 10 mm ² Cu	approx. 230 at 10 mm ² Cu
Weight incl. battery:	approx. 1.6 kg	approx. 1.5 kg	approx. 1.2 kg
Item no.:	EK354ML	EK1550ML	EKP1ML
Variants:	EK354MLSETHR EK354MLSETHD	--	--



EK 35/4 ML

Crimping made easy:

The **Klauke® mini** is the ideal tool solution for cross-sectional ranges up to 150 mm².



ES 32 ML

Cutting made easy:

Even Cu and Al cables to Ø 32 mm can be cut without a problem using the **Klauke® mini**.

Characteristics:

- 2K** Ergonomic 2-component plastic housing with soft inlays for comfortable and safe one-hand operation
 - easy** One-button operating concept for controlling all tool functions
 - LED** LED for workplace illumination
 - Energy Save** Energy saving function with motor cut-out after successful operation
 - Rotating** Rotating crimping and cutting heads
 - QUICK STOP** Quick motor stop for high user safety
 - AUTO** Automatic retraction when crimping is complete
 - MAN** Manual retract in case of need
 - SERVICE** Multi-function LED for maintenance display, battery charge status indicator and for data transmission via USB adapter
 - 10.8V Li-Ion** Powerful 10.8 Lithium-Ion battery with more capacity and extremely short charging time
 - BIO** Environmentally-friendly hydraulic oil, quickly biodegradable
- low weight from 1.2 kg including battery, for effortless operations
 - fast crimping cycles from 2 to 4 seconds makes work highly efficient.
 - the sound pressure level of all **Klauke® mini** devices is 70.6 dB (A), measured at a distance of 1 m. The vibrations are well below 2.5 m/s².

Scope of supply:



- rigid plastic case for the secure storage of tool and accessories
- 10.8 V / 1.5 Ah, Li-Ion (16.2 Wh) battery
- charger for 10.8V Li-Ion batteries, 230V

Accessories:



- USB adapter PGA1 incl. i-press software

Cutting tools:



Technical data	ES 20-L	ESG 25-L	ES 32F ML	EBS 8 ML	EBS 12 ML
Head type:	Cutter - open	Cutter - open	Cutter - open	open	open
Cutting range:	20 mm	32 mm	32 mm	8 mm	12 mm
Cable types:	Al/St cables, Cu lamellae rails	Cu and Al cable	superfine stranded Cu cable	cable channels, bolts, steel wire	cable channels, bolts, steel wire
Number of cuts:	approx. 190 of ACSR cable 120/20	approx. 135 cuts of 150 mm² NYF	approx. 100 cuts of H07V-K 1x240 mm²	approx. 310 cuts of average 5 mm	approx. 310 cuts of average 5 mm
Weight incl. battery:	approx. 1.6 kg	approx. 1.8 kg	approx. 1.8 kg	approx. 1.2 kg	approx. 1.8 kg
Item no.:	ES20ML	ES32ML	ES32FML	EBS8ML	EBS12ML
Variants:	--	--	--	--	--

Mini dimensions, giant performance

The **Klauke® mini+** is clear evidence of the fact that small dimensions and a light weight are not necessarily associated with low performance. It outshines most of the large series in the 5 tonne tool class due to its powerful motor, amazingly high battery capacity and also the automatic quality monitoring of the crimping process.



EK 50/5-L

Crimping tools:



Technical data	EK 35/4-L	EK 50/5-L	EK 50/18-L	EKM 60/22-L	EKM 60 IDL
Crimping force:	35 kN	50 kN	50 kN	60 kN	30 - 60kN
Stroke/opening width:	9 mm	12 mm	17 mm	17.5 mm	35.5 mm
Crimping range:	6 - 150 mm ²	6 - 240 mm ²	6 - 185 mm ²	6 - 300 mm ²	Cu: 16 - 240 mm ² Al: 50 - 240 mm ²
Number of crimps:	approx. 140 at 120 mm ² Cu	approx. 300 at 150 mm ² Cu DIN	approx. 160 at 150 mm ² Cu DIN	approx. 150 at 150 mm ² Cu DIN	approx. 100 - 300
Integrated pressure measurement with error display:	✓	✓	✓	✓	✓
Autom. position control (ARS):	--	--	✓	✓	--
Weight incl. battery:	2.4 kg	2.4 kg	2.8 kg	3.0 kg	2.5kg
Item no.:	EK354L	EK505L	EK5018L	EKM6022L	EKM60IDL
Variants:	LBOXXEK354ML	--	LBOXXEK505L	LBOXXEK6022L	--



EK 50/5-L

High-tech crimps with 5 tonnes:

The crimping of connection material with cross sections to 240 mm² are no great a challenge for the small Klauke® mini+.

The all-purpose cutter:

The cutting of copper, aluminium, ACSR cables and mild steel does not pose a problem for the ESG25L from the Klauke® mini+ series.



ESG 25-L

Characteristics:

-  Electronic control and monitoring of crimping operation
 -  Integrated pressure measurement with visual and audible signals in case of error
 -  Evaluation function via optical interface and USB adapter
 -  Ergonomic 2-component plastic housing with soft inlays for comfortable and safe one-hand operation
 -  One-button operating concept for controlling all tool functions
 -  LED for workplace illumination
 -  Energy saving function with motor cut-out (Autostop).
 -  Rotating crimping and cutting heads
 -  Quick motor stop for high user safety
 -  Automatic retraction when crimping is complete
 -  Manual retract in case of need
 -  Manual retract stop (MRS) for cutting tools
 -  Multi-function LED for maintenance display, battery charge status indicator and for data transmission via USB adapter
 -  Powerful 10.8 Lithium-Ion battery with 50% more capacity and extremely short charging time
 -  Environmentally-friendly hydraulic oil, quickly biodegradable
- powerful motors for fast crimping cycles and efficient operations
 - all Klauke® mini+ devices are well below the permitted 70 dB (A) sound level, measured at a distance of 1 m. The vibrations are well below 2.5 m/s².

Features:

-  EKM60/22-L and EK50/18-L with automatic position control (ARS) for multiple crimpings

Scope of supply:



- rigid plastic case for the secure storage of tool and accessories
- RAL1, 18 V, 1.5 Ah, Makita Lithium-Ion battery
- charger LGL1 with MAKSTAR charging technology from Makita

Accessories:



- RAL2, 18 V, 3.0 Ah, Makita Lithium-Ion battery
- mains charger NG2, compatible with all tools (mini+, ultra, ultra+, multi)
- USB adapter PGA1 incl. i-press software

Variants:



- a broad range of Klauke mini+ tools is also available in the L-Boxx

Cutting tools:



Technical data	ES 20L	ESG 25L	ES 32-L	ES 32F-L
Head type:	Open	Closed	Cutter - open	Cutter - open
Cutting range:	max. 20 mm	max. 25 mm	max. 32 mm	max. 32 mm
Cable types:	mild steel, Cu and Al cable	mild steel, various cables	Cu and Al cable	superfine stranded Cu cable
Number of cuts:	approx. 160	depending on material	approx. 150 at H07V-R 1x240 mm ²	approx. 120 at Ø 15 mm Cu
Man. retract stop (MRS):	✓	✓	✓	✓
Weight incl. battery:	2.13 kg	2.1 kg	2.0 kg	2.0 kg
Item no.:	ES20L	ESG25L	ES32L	ES32FL
Variants:	--	--	--	LBOXXES32L

Ultra safe, ultra good

Due to its balanced centre of gravity position, the new **Klauke[®] ultra** fits exceptionally well in the hand and permits comfortable handling and effortless operations over long periods, even when working overhead. In case of a faulty crimp, you receive an immediate audible and visual warning. So in terms of safety too, the **Klauke[®] ultra** has everything under control.



Crimping tools:



Technical data	EK 60/22-L	EK 60 VP-L	EK 60 VP/FT-L
Crimping force:	60 kN	55 kN	55 kN
Stroke / opening width:	17 mm	n.a.	n.a.
Crimping range:	6 - 300 mm ²	10 - 240 mm ²	16 - 300 mm ²
Number of crimps:	approx. 300 at 150 mm ² Cu DIN	approx. 315 at 150 mm ² Cu DIN	approx. 315 at 150 mm ² Cu DIN
Integrated pressure measurement with error display:	✓	✓	✓
Autom. position control (ARS):	✓	✓	✓
Weight incl. battery:	4.2 kg	4.8 kg	4.9 kg
Item no.:	EK6022L	EK60VPL	EK60VPFTL



EK 60/22-L

Precise crimpings with 6 tonnes:

The **Klauke® ultra** is the perfect tool for crimp ranges to 300 mm².



ESG 45-L

Cutting made easy:

The **Klauke® ultra** cuts Cu and Al cables with armouring and even Al/St cables to 45 mm Ø without a problem.

Characteristics:

-  Electronic control and monitoring of crimping operation
-  Integrated pressure measurement with visual and audible signals in case of error
-  Evaluation function via optical interface and USB adapter
-  Ergonomic 2-component plastic housing with soft inlays for comfortable and safe one-hand operation
-  One-button operating concept for controlling all tool functions
-  LED for workplace illumination
-  2-stage hydraulic system with fast feed and power stroke
-  Energy saving function with motor cut-out (Autostop).
-  Rotating crimping and cutting heads
-  Quick motor stop for high user safety
-  Automatic retraction when crimping is complete
-  Manual retract in case of need
-  Automatic position control (ARS) for multiple crimpings (model-dependent)
-  Manual retract stop (MRS) for cutting tools
-  Multi-function LED for maintenance display, battery charge status indicator and for data transmission via USB adapter
-  Powerful 18 V Lithium-Ion battery with 50% more capacity and extremely short charging time
-  Environmentally-friendly hydraulic oil, quickly biodegradable

Powerful motors for maximum operating speed

- all **Klauke® ultra** devices are well below the permitted 70 dB (A) sound level, measured at a distance of 1 m. The vibrations are well below 2.5 m/s².

Scope of supply:



- rigid plastic case for the secure storage of tool and accessories
- RAL2, 18 V, 3.0 Ah, Makita Lithium-Ion battery
- charger LGL1 with MAKSTAR charging technology from Makita

Accessories:



- mains charger NG2, compatible with all tools (mini+, ultra, ultra+, multi)
- USB adapter PGA1 incl. i-press software

Cutting tools:



Technical data	ESG 45-L	ESG 50-L	ESG 65-L
Head type:	Guillotine - closed	Guillotine - closed	Cutter - open
Cutting range:	45 mm	50 mm	65 mm
Cable types:	armoured Cu and Al cables, Al/St cables	lightly armoured Cu and Al cables	Cu/Al cables with light steel armouring
Number of cuts:	approx. 150 at ACSR cable 570/40	approx. 140 at 4x120 mm ² NYY	approx. 140 at 4x120 mm ² NYY
Man. retract stop (MRS):	✓	✓	✓
Weight incl. battery:	5.7 kg	4.7 kg	6.3 kg
Item no.:	ESG45L	ESG50L	ESG65L

The Power-Plus package

When peak performances are required during crimping, there is no alternative to the **Klauke® ultra+**. Strenuous crimping work is made effortless thanks to the exceptional centre of gravity position of the tool. In addition, the automatic position control makes it easy to crimp multiple adjacent positions.



EK 120/42-L

Crimping tools:



Technical data	EK 120/30-L	EK 120/42-L	EK 120 U-L	EK 120 ID-L
Crimping force:	120 kN	120 kN	120 kN	108 kN
Stroke/opening width:	30 mm	42 mm	20 mm	52 mm
Crimping range:	16 - 400 mm ²	16 - 400 mm ²	16 - 400 mm ²	35 - 500 mm ²
Number of crimps:	approx. 115 at 150 mm ² Cu DIN	approx. 110 at 150 mm ² Cu DIN	approx. 115 at 150 mm ² Cu DIN	approx. 60 at 150 mm ² Cu DIN
Integrated pressure measurement with error display:	✓	✓	✓	✓
Autom. position control (ARS):	✓	✓	✓	✓
Weight incl. battery:	6.6 kg	6.8 kg	6.0 kg	6.8 kg
Item no.:	EK12030L	EK12042L	EK120UL	EK120IDL



EK 120/42-L

Wide crimps with 12 tonnes:

The **Klauke® ultra+** is the optimum tool for crimp ranges to 400 mm².

Cutting made easy:

The power package from Klauke: Only the **Klauke® ultra+** cuts armoured cables to 105 mm diameter problem-free with a cutting force of up to 120 kN.



ESG 105-L

Characteristics:

-  Electronic control and monitoring of crimping operation
-  Integrated pressure measurement with visual and audible signals in case of error
-  Evaluation function via optical interface and USB adapter
-  Ergonomic 2-component plastic housing with soft inlays for comfortable and safe one-hand operation
-  One-button operating concept for controlling all tool functions
-  LED for workplace illumination
-  2-stage hydraulic system with fast feed and power stroke
-  Energy saving function with motor cut-out (Autostop).
-  Rotating crimping and cutting heads
-  Quick motor stop for high user safety
-  Automatic retraction when crimping is complete
-  Manual retract in case of need
-  Automatic position control (ARS) for multiple crimpings (model-dependent)
-  Manual retract stop (MRS) for cutting tools
-  Multi-function LED for maintenance display, battery charge status indicator and for data transmission via USB adapter
-  Powerful 18 V Lithium-Ion battery with 50% more capacity and extremely short charging time
-  Environmentally-friendly hydraulic oil, quickly biodegradable

Powerful motors for maximum operating speed

- all **Klauke® ultra+** devices are well below the permitted 70 dB (A) sound level, measured at a distance of 1 m. The vibrations are much lower than 2.5 m/s².

Scope of supply:



- rigid plastic case for the secure storage of tool and accessories
- RAL2, 18 V, 3.0 Ah, Makita Lithium-Ion battery
- charger LGL1 with MAKSTAR charging technology from Makita

Accessories:



- mains charger NG2, compatible with all tools (mini+, ultra, ultra+, multi)
- USB adapter PGA1 incl. i-press software

Cutting tools:



Technical data	ESG 55-L	ES 85-L	ESG 85-L	ES 105-L	ESG 105-L
Head type:	Guillotine - closed	Cutter - open	Guillotine - closed	Cutter - open	Guillotine - closed
Cutting range:	55 mm	85 mm	85 mm	105 mm	105 mm
Cable types:	armoured Cu and Al cables, Al/St cables	lightly armoured Cu and Al cables	lightly armoured Cu and Al cables	lightly armoured Cu and Al cables	armoured Cu and Al cables
Number of cuts:	approx. 120 at Al/St cable 570/40	approx. 70 at 4x240 mm ² NYN	approx. 70 at 4x240 mm ² NYN	approx. 60 at 4x240 mm ² NYN	approx. 60 at 4x240 mm ² NYN
Man. retract stop (MRS):	✓	✓	✓	✓	✓
Weight incl. battery:	8.0 kg	6.3 kg	7.2 kg	8.8 kg	10.5 kg
Item no.:	ESG55L	ES85L	ESG85L	ES105L	ESG105L

The all-rounder

Where different applications are required at the same time, the universal **Klauke® multi** with interchangeable adapters and dies for crimping, cutting and punching is a practical alternative. All standard operations can be accomplished with just one tool. Repair and service teams in particular appreciate the weight advantage. The **Klauke® multi** is available in the 6 as well as 12 tonne version.



Universal tools:



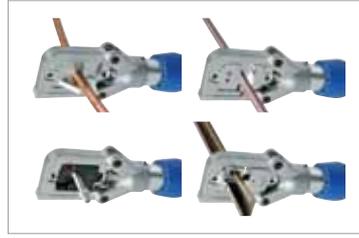
Technical data	EKM 60 UNV-L	EK 60 UNV-L	EK 120 UNV-L
Crimping force:	60 kN	60 kN	108 kN
Stroke / opening width:	27 mm	42 mm	42 mm
Crimping range:	6 - 300 mm ²	6 - 300 mm ²	10 - 400 mm ²
Number of crimps:	approx. 200 at 150 mm ² Cu DIN	approx. 300 at 150 mm ² Cu DIN	approx. 110 at 150 mm ² Cu DIN
Cutting range:	25 mm	40 mm	40 mm
Cable types:	armoured Cu and Al cables, Al/St cables	armoured Cu and Al cables, Al/St cables	armoured Cu and Al cables, Al/St cables
Punching capacity:	to 64 mm round, to 92 x 92 mm ²	to 64 mm round, to 92 x 92 mm ²	to 144 mm round, to 138 x 138 mm ²
Weight incl. battery:	3.0 kg	4.6 kg	6.3 kg
Item no.:	EKM60UNVL	EK60UNVL	EK120UNVL

Crimping



EKM 60 UNV-L

Cutting



EKM 60 UNV-L

Punching



EKM 60 UNV-L

Characteristics:



Electronic control and monitoring of crimping operation



Evaluation function via optical interface and USB adapter



Ergonomic 2-component plastic housing with soft inlays for comfortable and safe one-hand operation



One-button operating concept for controlling all tool functions



LED for workplace illumination



2-stage hydraulic system with fast feed and power stroke



Energy saving function with motor cut-out (Autostop).



Rotating universal head



Quick motor stop for high user safety



Automatic retraction when crimping is complete



Manual retract in case of need



Manual retract stop with „teach in“ (MRS+)



Multi-function LED for maintenance display, battery charge status indicator and for data transmission via USB adapter



Powerful 18 V Lithium-Ion battery with 50% more capacity and extremely short charging time



Environmentally-friendly hydraulic oil, quickly biodegradable

- adapter for crimping dies of most Klauke ranges.
- various cutting dies for aluminium and copper conductors with and without armouring
- special dies for cutting threaded rods and DIN rails.
- special die for cutting railway cantenaries
- punching adapter for Greenlee punching tools
- die for punching DIN rails
- all Klauke® multi devices are well below the permitted 70 dB (A) sound level, measured at a distance of 1 m. The vibrations are much lower than 2.5 m/s².

Scope of supply:



- rigid plastic case for the secure storage of tool and accessories
- RAL2, 18 V, 3.0 Ah, Makita Lithium-Ion battery
- charger LGL1 with MAKSTAR charging technology from Makita
- adapter for crimping dies

Accessories:



- mains charger NG2, compatible with all tools (mini+, ultra, ultra+, multi)
- USB adapter PGA1 incl. i-press software

Variants:



- EKM60UNV-L also available in the practical L-Box

An overview of all devices

The 10.8 V tool range – Experts for smaller cross-sections to 150 mm²

The 10.8 V Li-Ion batteries and matching chargers can be used and interchanged with all tools from the micro and mini series. Allowing us to offer a broad range of crimping and cutting tools for smaller cross-sections to 150 mm² – all on one battery platform.

Crimping

Klauke® *micro*



Item:	EKM 50 ML
Crimping force:	15 kN
Crimping range:	0.14 - 50 mm ²

Klauke® *mini*



4
Klauke



50
Klauke

Klauke® *pro*



Item:	EK 35/4 ML	EK 15/50 ML	EKP 1 ML
Crimping force:	35 kN	13 kN	10 kN
Crimping range:	6 - 150 mm ²	0.14 - 50mm ²	0.14 - 16mm ²





Cutting



Item: ES 20 ML



Item: ES 32 ML



Item: ES 32F ML



Item: EBS 8 ML



Item: EBS 12 ML

Cutting range:	max. Ø 20 mm	max. Ø 32 mm	max. Ø 32 mm	max. Ø 8 mm	max. Ø 12 mm
Cable types/material:	Cu, Al, Al/St (ACSR)	Cu, Al	Cu (superfine stranded)	solid St	solid St

Accessories



RAML1 battery
10.8V/1.5 Ah,
Li-Ion (16.2 Wh)



Charger LGML1
for 10.8V Li-Ion batteries, 230V

The 18 V tool range

Crimping

Klauke® mini+



Item:	EK 35/4-L	EK 50/5-L	EK 50/18-L	EKM 60/22-L	EKM60 IDL
Crimping force:	35 kN	50 kN	50 kN	60 kN	30 - 60 kN
Crimping range:	6 - 150 mm ²	6 - 240 mm ²	6 - 185 mm ²	6 - 300 mm ²	16 - 240 mm ²

Klauke® ultra



Item:	EK 60/22-L	EK 60 VP-L	EK 60 VP/FT-L
Crimping force:	60 kN	55 kN	55 kN
Crimping range:	6 - 300 mm ²	10 - 240 mm ²	16 - 300 mm ²

Klauke® ultra+



Item:	EK 120/30-L	EK 120/42-L	EK 120 U-L	EK 120 ID-L
Crimping force:	120 kN	120 kN	120 kN	108 kN
Crimping range:	10 - 400 mm ²	10 - 400 mm ²	10 - 400 mm ²	35 - 500 mm ²

Klauke® multi



Item:	EKM 60 UNV-L	EK 60 UNV-L	EK 120 UNV-L
Crimping force:	60 kN	60 kN	108 kN
Crimping range:	6 - 300 mm ²	6 - 300 mm ²	10 - 400 mm ²
Cutting range:	max. Ø 25 mm	max. Ø 40 mm	max. Ø 40 mm
Punching capacity:	to 64 mm round, to 92 x 92 mm square	to 64 mm round, to 92 x 92 mm square	to 144 mm round, to 138 x 138 mm square



Cutting



Item: ES 20L

Cutting range: max. Ø 20 mm

Cable types/material: Cu, Al, Al/St (ACSR)



Item: ES G25L

Cutting range: max. Ø 25 mm

Cable types/material: Cu, Al, Al/St (ACSR)



Item: ES 32-L

Cutting range: max. Ø 32 mm

Cable types/material: Cu, Al



Item: ES 32F-L

Cutting range: max. Ø 15 mm

Cable types/material: Cu (superfine stranded)



Item: ESG 45-L

Cutting range: max. Ø 45 mm

Cable types/material: Cu, Al, Al/St (ACSR)



Item: ESG 50-L

Cutting range: max. Ø 50 mm

Cable types/material: Cu, Al



Item: ES 65-L

Cutting range: max. Ø 65 mm

Cable types/material: Cu, Al



Item: ESG 55-L

Cutting range: max. Ø 55 mm

Cable types/material: Cu, Al, Al/St (ACSR)



Item: ES 85-L

Cutting range: max. Ø 85 mm

Cable types/material: Cu, Al



Item: ESG 85-L

Cutting range: max. Ø 85 mm

Cable types/material: Cu, Al



Item: ES 105-L

Cutting range: max. Ø 105 mm

Cable types/material: Cu, Al



Item: ESG 105-L

Cutting range: max. Ø 105 mm

Cable types/material: Cu, Al (armoured)

Accessories



Mains charger NG2
NG2115 115V version
NG2230 230V version



RAL1 battery
18V/1.5 Ah,
Li-Ion



RAL2 battery
18V/3.0 Ah,
Li-Ion



Charger LGL1
15 min. for RAL1
22 min. for RAL2



PGA1
USB adapter
incl. i-press software

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