THE LITTLE CRIMPING EXPERT -BATTERY-POWERED HYDRAULIC CRIMPING TOOL (10.8 V)

We have made performance easy: The Klauke mini is lightweight yet powerful. The Klauke mini's practical dimensions make it the ideal solution for confined areas, in panel building for instance. A convenient expert for crimp to 150 mm² nominal cross-section.



Pure performance without frills

The Klauke mini concentrates on its core task: reliable crimping. Even without pressure sensor and display, the little expert does its job well - no fuss or quibble.

▶ Usage time at a glance

Read the charge level at any time from the powerful 10.8 V battery.

All-round crimping

How can confined areas be easily reached? With crimping heads rotating through 360°.





EK 30 ID ML Battery powered hydraulic crimping tool 6 - 120 mm²



2



- > Powerful 10.8 V Li-Ion battery technology with battery charge indicator
- > Indent crimping no change of crimping dies required

Characteristics

- Closed head, flip top style, rotatable
- Simple and safe: One-button operating concept for controlling all tool functions
- Comfortable and secure one-hand operation thanks to 2-component plastic housing with soft lining
- Effortless working thanks to low weight
- Automatic retraction when operation is complete
- Maintenance display via LED

Suitable for

- Very well suited for compacted conductors
- Especially for fine strand conductors to DIN EN 60228

Technical data					
Crimping force	30 kN				
Stroke / opening width	22 mi	n			
Crimping range	6 - 12	20 mm²			
Crimping cycle	2,5 s	up to 5 s (depei	nding on crimp	o cross-section)	
Charging time	40 mi	n.			
Weight incl. battery	1.95	<g< td=""><td></td><td></td><td></td></g<>			
Ambient temperature	-10 °(C up to +40 °C			
Item				Part No.	
Battery powered hydrau	lic crimping too	l 6 - 120 mm²		EK30IDML	
Scope of supply					
Battery 10.8 V / 1.5 Ah, I	_i-lon (16.2 Wh)			RAML1
Charger for 10.8 V Li-lon	batteries, 230	V			LGML1
Plastic case					KKML
Suitable for	Connection material	Crimping range mm ²	Crimp profile		
Copper tubular cable lug	s and connecto	ors			
Tubular cable lugs and connectors, standard type, tubular cable lugs for switchgear connections	ø	6 - 120	\bigtriangledown		
Tubular cable lugs and connectors for fine stranded conductors		6 - 120	\bigtriangledown		
Terminals, connectors an	nd pin terminals	s acc. to DIN, co	opper		
Solderless terminals (DIN 46234), connec- tors (DIN 46341) and pin terminals (DIN 46230)	I	6 - 95	\bigtriangledown		

EK 15/50 ML Battery powered hydraulic crimping tool 0.14 - 50 mm²





- Long service life thanks to robust head
- > Optimum crimping due to parallel guided crimping dies
- Effortless operations thanks to low weight
- ▶ Powerful 10.8 V Li-lon battery technology with battery charge indicator

Characteristics

- Open head, rotatable
- Simple and safe: One-button operating concept for controlling all tool functions
- Comfortable and secure one-hand operation thanks to 2-component plastic housing with soft lining
- Simple and safe: Automatic retraction when operation is complete
- Maintenance display via LED

Suitable for

50-series interchangeable dies

Те	chr	lical	data	
-			-	

roominour uutu			
Crimping force	13 kN		
Stroke / opening width	9 mm		
Crimping range	0.14 - 50 mm ²		
Crimping cycle	approx. 2 s		
Number of crimps	approx. 230 at 10 mm² Cu		
Battery voltage	10.8 V		
Battery capacity	1.5 Ah, Li-Ion		
Charging time	approx. 40 min.		
Weight incl. battery	1.5 kg		
Ambient temperature	-10 °C up to +40 °C		
ltem		Part No.	
Battery powered hydraulic c	rimping tool 0.14 - 50 mm ²	EK1550ML	
Scope of supply		Part No.	Page
Battery 10.8 V / 1.5 Ah, Li-lo	on (16.2 Wh)	RAML1	485
Charger for 10.8 V Li-lon bat	tteries, 230V	LGML1	487
Plastic case		KKML	



Available dies for Series 50 for EK 15/50 ML

Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Tubular cable lugs and connectors, Cu				
Tubular cable lugs and connectors, Cu, standard type	(S)	0.75 - 10	\bigcirc	312
Tubular cable lugs, Cu, standard type	T	6 - 25		312
Tubular cable lugs and connectors for solid conductors, Cu	0 C	1.5 - 10		312
Compression cable lugs and connectors acc. to DIN - Cu				
Copper compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1)	DIN	6 - 25		312
Terminals, connectors and pin terminals acc. to DIN - Cu				
Terminals (DIN 46234) and pin terminals (DIN 46230) Cu, solderless connectors (DIN 46341) Cu	e	0.5 - 10	\bigtriangledown	312
Insulated solderless terminals and connectors	J	10 - 16	\bigcirc	313
Cable end-sleeves				
Cable end-sleeves		0.14 - 50		312
Cable connections, insulated and non-insulated				
Insulated cable connections, single crimping		0.5 - 16	\bigcirc	313
Insulated cable connections, double crimping		0.1 - 6	\bigcirc	313
Non insulated receptacles		0.25 - 6	\bigcirc	313
for pin and shielded receptacles, BNC connectors for coax cables RG 58, 59, 60 and 71				313
Turned pin connectors, pin receptacles		0.1 - 4		313

www.kabeltech.co.ba

EK 35/4 ML Battery powered hydraulic crimping tool 6 - 150 mm²





- Closed head, flip top style, rotatable

Large cross section range up to 150 mm²
 Slim crimping head - ideal when space is critical

- Simple and safe: One-button operating concept for controlling all tool functions

Powerful 10.8 V Li-lon battery technology with battery charge indicator

- Comfortable and secure one-hand operation thanks to 2-component plastic housing with soft grips
- Effortless working thanks to low weight
- Simple and safe: Automatic retraction when operation is complete
- Maintenance display via LED

Suitable for

- 4-series interchangeable dies, narrow crimping

Technical data			
Crimping force	35 kN		
Stroke / opening width	9 mm		
Crimping range	6 - 150 mm ²		
Crimping cycle	3 s to 4 s (depending on crimp cross-section)		
Number of crimps	approx. 145 at 120 mm ² Cu		
Battery voltage	10.8 V		
Battery capacity	1.5 Ah, Li-Ion		
Charging time	approx. 40 min.		
Weight incl. battery	1.6 kg		
Ambient temperature	-10 °C up to +40 °C		
Item		Part No.	
Battery powered hydraulic crim	ping tool 6 - 150 mm ²	EK354ML	
Scope of supply		Part No.	Page
Battery 10.8 V / 1.5 Ah, Li-Ion (1	6.2 Wh)	RAML1	485
Charger for 10.8 V Li-Ion batteries, 230 V		LGML1	487
Plastic case		KKML	
Variants		Part No.	Page
EK 35/4 ML with crimping die se	et HR 4 from 6 - 150 mm ²	EK354MLSETHR	
EK 35/4 ML with crimping die se	et HD 4 from 6 - 120 mm²	EK354MLSETHD	





Available dies for Series 4 for EK 35/4 ML

Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Copper tubular cable lugs and connectors			- PP	. 5
Tubular cable lugs and connectors blue connection for compacted conductors acc. to DIN EN 60228	blue connection	6 - 150		314
Tubular cable lugs and connectors, standard type, tubular cable lugs for switchgear connections		6 - 150		314
Insulated cable lugs and compression joints, standard type, insulated pin terminals		10 - 70		314
Tubular cable lugs and connectors for fine stranded conductors		10 - 35	\bigcirc	315
Tubular cable lugs and connectors for solid conductors	C C C C	1.5 - 16		315
Tubular cable lugs and connectors, Ni, VA				
Stainless steel tubular cable lugs and connectors	VA	0.5 - 2.5	\bigcirc	315
Stainless steel tubular cable lugs and connectors	VA	4 - 16	\bigtriangledown	315
Nickel tubular cable lugs and connectors	Ni	0.5 - 2.5	\bigtriangledown	315
Nickel tubular cable lugs and connectors	Ni	4 - 16	\bigtriangledown	315
Copper compression cable lugs and connectors to DIN				
Copper compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) acc. to DIN	DIN	6 - 120	\bigcirc	316
Terminals, connectors and pin terminals acc. to DIN, copper				
Solderless terminals (DIN 46234), connectors and pin terminals (DIN 46230) acc. to DIN	J	6 - 35	\bigcirc	316
Insulated solderless terminals and connectors	I	10 - 16	\bigtriangledown	316
Sleeves for compacted conductors and sector-shaped conductors, o	opper			
Pre-rounding dies for sector-shaped Al and Cu conductors		10 sm - 150 se / 120 sm	\bigcirc	317
Aluminium compression cable lugs and connectors acc. to DIN				
Aluminium compression cable lugs and connectors to DIN	Al/Cu	10 - 70 rm/se, 16 - 95 re/se	\bigcirc	317
Aluminium/copper compression cable lugs and connectorsl				
Aluminum side of aluminum/copper compression cable lugs and connectors: crimping dies HA4, copper side of aluminum/copper compression cable lugs and connectors: crimping dies HD4	Al/Cu	10 - 70 rm/se, 16 - 95 re/se	\bigcirc	317
Clamps				a=
Clamps, C-type	G	4 - 35	\bigcirc	317
Cable end-sleeves				
Cable end-sleeves		10 - 50	\square	317
Twin cable end-sleeves		2 x 4 - 2 x 16		318
Twin cable end-sleeves for fine stranded conductors		2 x 4 - 2 x 16	\Box	318
	-			

THE NEW STANDARD -KLAUKE NEXT GENERATION CRIMPING TOOLS

To guarantee the quality, you can check the tool data from the display or via i-press® app at any time. You can easily make this information available to your customers as project documentation at the touch of a button. The balanced design ensures effortless and continuously high-quality operations up to the end of each working day.



In brief

- Selectable battery platform: with Bosch or Makita
- > Proof of quality can be created via Bluetooth
- Ensure tool availability: Read the tool properties from the display or via the app
- Effortless operations thanks to modern, ergonomic design

Interested in Klauke Next Generation tools? Then take a look at our Multi universal tool on Page 467 >> $\!\!>$



Making work easier

Klauke tools guarantee effortless operations: The "mini" impresses through its low weight and the pistol shape thanks to the balanced centre of gravity

- Our compact "mini" is just perfect for confined areas
- The 2-stage hydraulic system ensures fast operations with fast feed and power stroke (pistol shape)
- Especially impressive and reliable: The one-button control concept for all tools with automatic retraction
- The ARS function (Automatic Retraction Stop) stops the automatic retraction when a crimp is complete through a fully-automated process

Guarantees quality

- All relevant tool data immediately in view on the integrated display
- In case of a fault, you are warned by a visual and audible signal from the tool
- Provide written proof of the quality of your work with i-press[®] - now simply and conveniently connect the tool to the computer via Bluetooth.



▶ i-press[®] software

Show your customers how well you work. Klauke Next Generation records your operations, and these can then be transmitted by Bluetooth. The free i-press® software uses these data to create for you, if you want, a project report - the proof of quality for your correct operations. You have control over your quality.

▶ i-press[®] app

Use the i-press[®] app to check and control your tool data on the go. Individual tool settings, such as the number of warning tones for an incorrect crimp or the double-click function for increased user safety, help make your day-to-day work simpler and more reliable - just as you need it.

The i-press[®] app can be found at: www.klauke.com/en/service/downloads/ connectivity-software/





2

THE I-PRESS[®] APP AT A GLANCE

Compact and available at all times: Your smartphone becomes the tool's nerve centre, simplifying your daily work routine – free-of-charge, guaranteed.

Made easy: Your Next Generation tool connects to the i-press® app via Bluetooth - you can now use the comprehensive range of functions.

Read the important tool information from the display and start new projects. All the information about your crimping operations is saved from now on. When the project is complete, an overview can be printed out, saved or submitted in the form of a report.

TIP: When you register as a user, subscribe to the Klauke Newsletter – that way, you will always be up-to-date.



Keep an overview of all your tools even while on the go. and personalise your tool settings via the app.

ress

lerzlich willkom

www.kabeltech.co.ba



EASY TO OPERATE

Menu guidance function is easy and quick to understand thanks to the cascade function. You can start immediately, personalise your tool and use all the other functions.

TUUL	INFORMATION
Connected tool Tool profile	EK354CFM Single-click
Serial number	000000000000000000000000000000000000000
Firmware	3.66
Last service	18.01.2018
	500 548
	500 548 500 524
	500 524

CREATING AND TRACKING PROJECTS

The last 5 pressure values, the device temperature or the remaining operations – all important information can be easily read off.

←	K :
PRC	DJECT
Connected tool Tool profile	EK354CFM Single-click
NAME OF THE PROJECT APPE	ARS HERE ONCE ENTERED
Name/Employee Project name	John Doe
Last active tool Start time End time Number of operations Pressure not reached Pressure reached Total number of operations	00000000000000000000000000000000000000
Comments	
LOGGED DATA CHECK-IN	EVALUATION CLOSE PROJECT

DOCUMENTING AND ARCHIVING

When a project is closed, an overview containing all the pressure values is generated. You can use this as documentary proof and for archiving purposes.

	PROJECT REPORT Data captured on 22.01.2018 5 John Dae Company	4.21 hrs.	Ķlā	uKe® sytaac
	Project name) Processed by .			
	Start time: 12.01.2018, 08:58	hrs.	End time: 22.01.2018, 153	22 hrs.
	Overview data for complete p	roject		
	All used tools	00000000000	Total number of operations Pressure reached Pressure not reached	23 19 4
ATTACHN Data logged on John Doe Com	Data captured Tool 1 Used device Serial number of device Last service	ES105CF8 080000012584687 24.11.2017	Total number of operations Pressure reached Pressure not reached Total number of operations with too	12 12 0 31268
Project Proces	For detailed operations, see Attachmen	4		
Operation Pressure Total	Data captured Tool 2 Used device Serial number of device Last service	E590CF8 080000012567854 24.11.2017	Total number of operations Pressure reached Pressure not reached Total number of operations with too	4 0 4 (22526
Section constants 10 500 17 500 17 500 17 500 17 500 18 900 19 500 19 500 19 500 19 500 19 500 10 500 11 500 10 500 10 500 10 500 10 500 10 500 10 500 10 500 10 500 10 500 10 500 10 500	es vel mos et odi cum fuga. Peri	if any others are in use) porerup taquame corse natquatur ore non re lam, ommolestem que n	sinti toritus tisseque dit quam fugitati usaas aut et ant exero tem fuga. Alige Lus sum reribustils am, sapitat quiater	nita qui aut que nobis
Neal 2: Secial number Near na. 4 600	PROJECT LOG OF 22.01.2018 14:21	Project ro	ame XVZ	Page 1 of
3 80 2 562 1 1 566 1 0 89 1 0 89 1 0 89 1				
		Project name XYZ	P	

Make the most of it – make your day-to-day operations more effective, more ergonomic and more innovative

- Get an overview of your tool data
- Plan your maintenance schedule
- Minimise your downtimes
- Increase availability and service life with regular maintenance and inspections
- Helps you organise your work
- Create projects based on installation and building plans
- Document and archive every single crimp in one report
- Proof of your daily activitiesen



Reads out all tool data, so you can check the tool status. i-press[®] also gives you proof of quality assessment in the form of a project report. i-press[®] is a Desktop application which you can download free-of-charge from the Klauke website.

The new i-press software can be found at www.klauke.com/ de/support/download/connectivity-werkzeugdaten-auslesen/ 2

EK 35/4 Battery powered hydraulic crimping tool 6 - 150 mm²







- ► Large cross section range up to 150 mm²
- Slim crimping head ideal when space is critical
- > All tool data in view thanks to display and i-press® app

Characteristics

- Choose your battery system: Bosch or Makita
- All data can be easily read via Bluetooth
- Closed head, flip top style, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: One-button operating concept for controlling all tool functions
- Simple and safe: Automatic retraction when operation is complete
- Effortless working thanks to low weight
- LED for work area illumination
- Always ready-to-use thanks to battery charge and service display

Suitable for

- 4-series interchangeable dies, narrow crimping

Technical data				
Crimping force	35 kN			
Stroke / opening width	9 mm			
Crimping range	6 - 150 mm ²			
Crimping cycle	3 s to 4 s (depending o	n crimp cross-se	ction)	
Charging time	15 min.			
Weight incl. battery	2.4 kg			
Ambient temperature	-10 °C up to +40 °C			
Item		Part No. Bosch	Part No. Makita	
Battery powered hydraulic crimp	ing tool 6 - 150 mm²	EK354CFB	EK354CFM	
Scope of supply				Page
Bosch battery 18 V / 2.0 Ah, Li-Ion		RALB1EU		484
Bosch quick-charger for 18 V Li-lon battery		LGLB1EU		486
Makita battery 18 V / 1.5 Ah, Li-lo	on		RAL1	483
Makita quick-charger for 18 V Li-	lon battery		LGL1	486
Plastic case		KK50NG	KK50NG	
Accessories				Page
Bosch battery 18 V / 5.0 Ah, Li-lo	n	RALB2EU		485
Makita battery 18 V / 3.0 Ah, Li-lo	on (54 Wh)		RAL2	483
Variants				Page
L-BOXX with battery powered cri 6 - 150 mm ²	mping tool EK354CFB,	LBOXXEK354CFB		203
L-BOXX with battery powered cri 6 - 150 mm ²	mping tool EK354CFM,		LBOXXEK354CFM	203



Available dies for Series 4 for EK 35/4

Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Copper tubular cable lugs and connectors				
Tubular cable lugs and connectors blue connection for compacted conductors acc. to DIN EN 60228	blue connection	6 - 150	\bigcirc	314
Tubular cable lugs and connectors, standard type, tubular cable lugs for switchgear connections	Í	6 - 150	\bigcirc	314
Insulated cable lugs and compression joints, standard type, insulated pin terminals		10 - 70	\bigcirc	314
Tubular cable lugs and connectors for fine stranded conductors		10 - 35	\bigtriangledown	315
Tubular cable lugs and connectors for solid conductors	O	1.5 - 16		315
Tubular cable lugs and connectors, Ni, VA				
Stainless steel tubular cable lugs and connectors	VA	0.5 - 2.5	\bigtriangledown	315
Stainless steel tubular cable lugs and connectors	VA	4 - 16	\bigtriangledown	315
Nickel tubular cable lugs and connectors	Ni	0.5 - 2.5	\bigtriangledown	315
Nickel tubular cable lugs and connectors	Ni	4 - 16	\bigtriangledown	315
Copper compression cable lugs and connectors to DIN				
Copper compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) acc. to DIN	DIN	6 - 120	\bigcirc	316
Terminals, connectors and pin terminals acc. to DIN, copper				
Solderless terminals (DIN 46234), connectors and pin terminals (DIN 46230) acc. to DIN	e	6 - 35	\bigcirc	316
Insulated solderless terminals and connectors		10 - 16	\bigtriangledown	316
Sleeves for compacted conductors and sector-shaped conductors, c	opper			
Pre-rounding dies for sector-shaped AI and Cu conductors		10 sm - 150 se / 120 sm	\bigcirc	317
Aluminium compression cable lugs and connectors acc. to DIN				
Aluminium compression cable lugs and connectors to DIN	Al/Cu	10 - 70 rm/se, 16 - 95 re/se	\bigcirc	317
Aluminium/copper compression cable lugs and connectorsl				
Aluminum side of aluminum/copper compression cable lugs and connectors: crimping dies HA4, copper side of aluminum/copper compression cable lugs and connectors: crimping dies HD4 Clamps	Al/Cu	10 - 70 rm/se, 16 - 95 re/se	\bigcirc	317
Clamps, C-type		4 - 35	\bigcirc	317
Cable end-sleeves	_		_	
Cable end-sleeves		10 - 50	\square	317
Twin cable end-sleeves	C D	2 x 4 - 2 x 16		318
Twin cable end-sleeves for fine stranded conductors	C D	2 x 4 - 2 x 16	\square	318

EK 50/5 Battery powered hydraulic crimping tool 6 - 240 mm²





- Very large crimping range to 240 mm² (tubular cable lugs only)
- All tool data in view thanks to display and i-press[®] app

Characteristics

- Choose your battery system: Bosch or Makita
- All data can be easily read via Bluetooth
- Closed head, flip top style, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working thanks to low weight
- LED for work area illumination
- Simple and safe: Automatic retraction when operation is complete
- Always ready-to-use thanks to battery charge and service display

Suitable for

- 5-series interchangeable dies, narrow crimping

Technical data	
Crimping force	50 kN
Stroke / opening width	12 mm
Crimping range	6 - 240 mm ²
Crimping cycle	4 s to 5 s (depending on crimp cross-section)
Charging time	15 min.
Weight incl. battery	2.4 kg
Ambient temperature	-10 °C up to +40 °C

Item	Part No. Bosch	Part No. Makita	
Battery powered hydraulic crimping tool 6 - 240 mm ²	EK505CFB	EK505CFM	
Scope of supply			Page
Bosch battery 18 V / 2.0 Ah, Li-Ion	RALB1EU		484
Bosch quick-charger for 18 V Li-lon battery	LGLB1EU		486
Makita battery 18 V / 1.5 Ah, Li-Ion		RAL1	483
Makita quick-charger for 18 V Li-lon battery		LGL1	486
Plastic case	KK50NG	KK50NG	
Accessories			Page
Bosch battery 18 V / 5.0 Ah, Li-Ion	RALB2EU		485
Makita battery 18 V / 3.0 Ah, Li-Ion (54 Wh)		RAL2	483
Variants			Page
L-BOXX with battery powered crimping tool EK505CFB, $6\mathchar`240\ mm^2$	LBOXXEK505CFB		203
L-BOXX with battery powered crimping tool EK505CFM, $6\mathchar`-240\ mm^2$		LBOXXEK505CFM	203

IEC

K5 SERIE



Available dies for Series 5 for EK 50/5

Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Tubular cable lugs and connectors, Cu				
Tubular cable lugs and connectors blue connection for compacted conductors acc. to DIN EN 60228	blue connection	6 - 185	\bigcirc	319
Tubular cable lugs and connectors, Cu, standard type	Į	6 - 240	\bigcirc	319
Insulated tubular cable lugs and connectors, insulated pin terminals		10 - 95	\bigcirc	319
Tubular cable lugs and connectors for fine stranded conductors		10 - 50	\bigtriangledown	320
Compression cable lugs and connectors acc. to DIN - Cu				
Cooper compression cable lugs (DIN 46235) and connectors (DIN 46267), part 1) Cu	DIN	6 - 185	\bigcirc	320
Terminals, connectors and pin terminals acc. to DIN - Cu				
Solderless terminals (DIN 46234) and pin terminals (DIN 46230)	I	10 - 50	\bigcirc	320
Sleeves for compacted conductors and sector shaped conductors	s, Cu			
Pre-rounding crimping dies for Al and Cu sector shaped conductors		10 sm - 300 se / 240 sm	\bigcirc	321
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN	Al	10-150 rm/sm, 16-185 re/se	\bigcirc	321
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182	Aldrey	25 - 95		321
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10-150 rm/sm, 16-185 re/se	\bigcirc	321
Clamps				
Clamps, C-type	G	16 - 35	\bigcirc	321
Cable end-sleeves				
Cable end-sleeves		10 - 95		322
Twin cable end-sleeves	-	2 x 4 - 2 x 16		322

EK 50/18 Battery powered hydraulic crimping tool 6 - 240 mm²







- For dies acc. to DIN 48083, sheet 1
- Fast crimp cycles due to Automatic Retraction Stop (ARS)
- > All tool data in view thanks to display and i-press® app

Characteristics

- All data can be easily read via Bluetooth
- Choose your battery system: Bosch or Makita
- Open head, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working thanks to low weight
- LED for work area illumination
- Simple and safe: Automatic retraction when operation is complete
- Automatic retract stop (ARS) for positioning control in case of multiple crimps
- Always ready-to-use thanks to battery charge and service display

Suitable for

- 18-series interchangeable dies, narrow crimping

Technical data				
Crimping force	50 kN			
Stroke / opening width	17 mm			
Crimping range	6 - 240 mm²			
Crimping cycle	5 s to 6 s (depending o	on cross-section)		
Charging time	15 min.			
Weight incl. battery	2.8 kg			
Ambient temperature	-10 °C up to +40 °C			
Item		Part No. Bosch	Part No. Makita	
Battery powered hydraulic crimp	ping tool 6 - 240 mm ²	EK5018CFB	EK5018CFM	
Scope of supply				Page
Bosch battery 18 V / 2.0 Ah, Li-le	on	RALB1EU		484
Bosch quick-charger for 18 V Li-	lon battery	LGLB1EU		486
Makita battery 18 V / 1.5 Ah, Li-	lon		RAL1	483
Makita quick-charger for 18 V Li	-lon battery		LGL1	486
Plastic case		KK50NG	KK50NG	
Accessories				Page
Bosch battery 18 V / 5.0 Ah, Li-le	on	RALB2EU		485
Makita battery 18 V / 3.0 Ah, Li-	lon (54 Wh)		RAL2	483
Variants				Page
L-BOXX with battery powered cr EK5018CFB, 6 - 240 mm ²	imping tool	LBOXXEK5018CFB		203
L-BOXX with battery powered c EK5018CFM, 6 -240 mm ²	rimping tool		LBOXXEK5018CFM	203



Available dies for Series 18 for EK 50/18

Refer to the limitations when crimping connectors in the technical	appendix.			
Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Copper tubular cable lugs and connectors				
Tubular cable lugs, standard type, tubular cable lugs for switch- gear connections	(SP)	6 - 240	\bigcirc	323
Connectors, standard type	Ś	6 - 95	\bigcirc	323
Insulated tubular cable lugs and connectors, standard type, insulated pin terminals		10 - 95	\bigcirc	323
Tubular cable lugs and connectors for fine stranded conductors		10 - 50	\bigtriangledown	323
Tubular cable lugs and connectors for solid conductors	O	1.5 - 16		324
Copper compression cable lugs and connectors to DIN				
Compression cable lugs (DIN 46235)		6 - 185	\bigcirc	324
Connectors DIN 46267	DIN	6 - 70	\bigcirc	324
Terminals, connectors and pin terminals acc. to DIN, copper				
Solderless terminals (DIN 46234), connectors and pin terminals (DIN 46230) acc. to DIN	I	10 - 70	\bigcirc	324
Insulated solderless terminals and connectors		10 - 50	\bigtriangledown	324
Sleeves for compacted conductors and sector-shaped conductors,	copper			
Pre-rounding dies for sector-shaped Al and Cu conductors		10 sm - 300 se / 240 sm	\bigcirc	325
Aluminium compression cable lugs and connectors to DIN				
Aluminium compression cable lugs and connectors to DIN	AI	10-185 rm/sm, 16 - 240 re/se	\bigcirc	325
Aluminium connectors	Al	6 - 70	\bigcirc	325
Compression joints for full-tension connections of Aldrey-con- ductors DIN EN 50182	Aldrey	25 - 95	\bigcirc	325
Aluminium/copper compression cable lugs and connectors				
Aluminum side of aluminum/copper compression cable lugs and connectors: crimping dies A, copper side of aluminum/copper compression cable lugs and connectors: crimping dies D	Al/Cu	10-185 rm/sm, 16 - 240 re/se	\bigcirc	325
Clamps Clamps, C-type				325
טמוווף, ט-נאש		4 - 50	\bigcirc	320
Cable end-sleeves				
Cable end-sleeves		10 - 95	\square	326
Twin cable end-sleeves	C)	2 x 4 - 2 x 16		326
Twin cable end-sleeves, trapezodial, for fine stranded conductors	-	2 x 4 - 2 x 16	\square	326
Cutting die				
for cutting area		18 mm dia.		392

EKM 60/22 Battery powered hydraulic crimping tool 6 - 300 mm²







- Large crimping range up to 300 mm²
- > All tool data in view thanks to display and i-press® app

Characteristics

- Choose your battery system: Bosch or Makita
- All data can be easily read via Bluetooth
- Closed head, flip top style, rotatable
- Quality assurance via visual and audible signals in case of error
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- Simple and safe: Automatic retraction when operation is complete
- Automatic retract stop (ARS) for positioning control in case of multiple crimps
- Always ready-to-use thanks to battery charge and service display

Suitable for

- 22-series interchangeable dies, narrow crimping

60 kN			
17.5 mm			
6 - 300 mm ²			
2 s (bei ARS) und 5 s (depending on crimp cross-section)			
15 min.			
3.0 kg			
-10 °C up to +40 °C			
	Part No. Bosch	Part No. Makita	
ing tool 6 - 300 mm²	EKM6022CFB	EKM6022CFM	
			Page
on	RALB1EU		484
lon battery	LGLB1EU		486
	KK50NG		
on		RAL1	483
-lon battery		LGL1	486
		KK50L	
			Page
on	RALB2EU		485
on		RAL40	484
			Page
imping tool	LBOXXEKM6022CFB		203
imping tool		LBOXXEKM6022CFM	203
	17.5 mm 6 - 300 mm ² 2 s (bei ARS) und 5 s (r 15 min. 3.0 kg -10 °C up to +40 °C ing tool 6 - 300 mm ² on lon battery on -lon battery on on	17.5 mm 6 - 300 mm² 2 s (bei ARS) und 5 s (depending on crir 15 min. 3.0 kg -10 °C up to +40 °C Part No. Bosch ing tool 6 - 300 mm² EKM6022CFB on ALB1EU Ion battery LGLB1EU KK50NG on -lon battery Son RALB2EU on Battery LBOXXEKM6022CFB	17.5 mm 6 - 300 mm² 2 s (bei ARS) und 5 s (depending on crimp cross-section) 15 min. 3.0 kg -10 °C up to +40 °C Part No. Bosch Part No. Makita ing tool 6 - 300 mm² EKM6022CFB EKM6022CFB EKM6022CFM on RALB1EU Ion battery LGLB1EU Ion battery LGLB1EU Ion battery LGL1 Ion battery LGL1 Ion battery LGL1 Ion battery LGL1 Ion battery RAL40 Ion battery EKM6022CFB



Available dies for Series 22 for EKM 60/22

Refer to the limitations when crimping connectors in the technical Suitable for	appendix. Connection material	Crimping range mm ²	Crimp profile	Page
Copper tubular cable lugs and connectors				Ū
Tubular cable lugs and connectors, blue connection® for compacted conductors acc. to DIN EN 60228 Class 2	blue connection	6 - 300		328
Tubular cable lugs and connectors, standard type, tubular cable lugs for switchgear connections	ø	6 - 300	\bigcirc	327
nsulated cable lugs and compression joints, standard type, nsulated pin terminals		10 - 150	\bigcirc	327
Tubular cable lugs and connectors for fine stranded conductors		10 - 70	\bigtriangledown	328
ubular cable lugs and connectors for solid conductors	O	1.5 - 16	\bigcirc	328
Tubular cable lugs and connectors, Ni, VA				
Stainless steel tubular cable lugs and connectors	VA	10 - 50	\bigtriangledown	328
lickel tubular cable lugs and connectors	Ni	10 - 50	\bigtriangledown	328
Copper compression cable lugs and connectors to DIN				
Copper compression cable lugs (DIN 46235) and connectors DIN 46267, part 1) acc. to DIN		6 - 300	\bigcirc	329
ouble compression cable lugs		2 x 50 - 2 x 70	\bigcirc	329
erminals, connectors and pin terminals acc. to DIN, copper				
olderless terminals (DIN 46234), connectors nd pin terminals (DIN 46230) acc. to DIN	T	10 - 70	\bigotimes	329
nsulated solderless terminals	I	10 - 70	\bigotimes	329
Bleeves for compacted conductors and sector-shaped conductors,	copper			
re-rounding dies for sector-shaped AI and Cu conductors		10 sm - 300 se / 300 sm	\bigcirc	330
luminium compression cable lugs and connectors to DIN				
luminium compression cable lugs and connectors to DIN	AI	10 - 300	\bigcirc	330
Compression joints connections for Aldrey-conductors DIN EN i0182, Al-conductors DIN EN 50182, 120 - 185 mm ²	Aldrey	25 - 185	\bigcirc	330
Compression joints DIN 48085, part 3 for aluminium/steel onductors DIN EN 50182, aluminium crimping	Al/St	25/4 - 120/20	\bigcirc	331
Compression joints DIN 48085, part 3 for aluminium/steel onductors DIN EN 50182, steel crimping	Al/St	25/4 - 120/20	\bigcirc	331
luminium/copper compression cable lugs and connectors				
Numinum side of aluminum/copper compression cable lugs and connectors: crimping dies A22, copper side of aluminum/copper compression cable lugs and connectors: crimping dies D22	Al/Cu	10 - 300	\bigcirc	330
Clamps				
Clamps, C-type	B	4 - 70	\bigcirc	331
Clamps, H-type	F	70	\bigcirc	331
Cable end-sleeves				
win cable end-sleeves	CD	2 x 4 - 2 x 16		332
Cable end-sleeves, trapezodial, for fine stranded conductors		10 - 240		332
win cable end-sleeves, trapezodial, for fine stranded conductors		2 x 4 - 2 x 16		332



EK 60/22 Battery powered hydraulic crimping tool 6 - 300 mm²







- ► Large crimping range up to 300 mm²
- Fast crimp cycles due to Automatic Retraction Stop (ARS)
- \blacktriangleright All tool data in view thanks to display and i-press® app

Characteristics

- Choose your battery system: Bosch or Makita
- All data can be easily read via Bluetooth
- Closed head, flip top style, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- Simple and safe: Automatic retraction when operation is complete
- Automatic retract stop (ARS) for positioning control in case of multiple crimps
- Always ready-to-use thanks to battery charge and service display

Suitable for

22-series interchangeable dies, narrow crimping

0 KN			
7 mm			
- 300 mm²			
s to 5 s (depending o	n crimp cross-	section)	
5 min.			
.4 kg			
10 °C up to +40 °C			
	Part No. Bosc	h Part No. Makita	
g tool 6 - 300 mm²	EK6022CFB	EK6022CFM	
			Page
	RALB2EU		485
n battery	LGLB1EU		486
I		RAL40	484
on battery		LGL1	486
	KK120NG	KK120NG	
			Page
	RALB2EU		485
l		RAL40	484
		Part No.	Page
2 from 16 - 240 mm ²	F	K6022CFMSETD	
	- 300 mm ² s to 5 s (depending o 5 min. .4 kg 10 °C up to +40 °C g tool 6 - 300 mm ² n battery n battery	7 mm 7 mm 300 mm ² s to 5 s (depending on crimp cross-s 5 min. 4 kg 10 °C up to +40 °C Part No. Boscl g tool 6 - 300 mm ² RALB2EU n battery KK120NG RALB2EU RALB2EU	7 mm - 300 mm² s to 5 s (depending on crimp cross-section) 5 min. .4 kg 10 °C up to +40 °C Part No. Bosch Part No. Makita g tool 6 - 300 mm² EK6022CFB EK6022CFM g tool 6 - 300 mm² EK6022CFB EK6022CFM n battery LGLB1EU RALB2EU n battery LGLB1EU RAL40 nn battery LGL1 KK120NG RALB2EU RAL40 RAL40



Available dies for Series 22 for EK 60/22

Refer to the limitations when crimping connectors in the technical Suitable for	appendix. Connection material	Crimping range mm ²	Crimp profile	Page
Copper tubular cable lugs and connectors				
Tubular cable lugs and connectors, blue connection® for compacted conductors acc. to DIN EN 60228 Class 2	blue connection	6 - 300	\bigcirc	328
Tubular cable lugs and connectors, standard type, tubular cable lugs for switchgear connections	-	6 - 300		327
Insulated cable lugs and compression joints, standard type, Insulated pin terminals		10 - 150	\bigcirc	327
Tubular cable lugs and connectors for fine stranded conductors		10 - 70	\bigtriangledown	328
Tubular cable lugs and connectors for solid conductors	O	1.5 - 16	\bigcirc	328
Tubular cable lugs and connectors, Ni, VA				
Stainless steel tubular cable lugs and connectors	VA	10 - 50	\bigtriangledown	328
Nickel tubular cable lugs and connectors	Ni	10 - 50	\bigtriangledown	328
Copper compression cable lugs and connectors to DIN				
Copper compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) acc. to DIN	DIN	6 - 300	\bigcirc	329
Double compression cable lugs	OP	2 x 50 - 2 x 70	\bigcirc	329
Terminals, connectors and pin terminals acc. to DIN, copper				
Solderless terminals (DIN 46234), connectors and pin terminals (DIN 46230) acc. to DIN	e	10 - 70	\bigotimes	329
Insulated solderless terminals		10 - 70	\bigtriangledown	329
Sleeves for compacted conductors and sector-shaped conductors,	copper			
Pre-rounding dies for sector-shaped Al and Cu conductors		10 sm - 300 se / 300 sm	\bigcirc	330
Aluminium compression cable lugs and connectors to DIN				
Aluminium compression cable lugs and connectors to DIN	AI	10 - 300	\bigcirc	330
Compression joints connections for Aldrey-conductors DIN EN 50182, Al-conductors DIN EN 50182, 120 - 185 mm ²	Aldrey	25 - 185	\bigcirc	330
Compression joints DIN 48085, part 3 for aluminium/steel conductors DIN EN 50182, aluminium crimping	Al/St	25/4 - 120/20	\bigcirc	331
Compression joints DIN 48085, part 3 for aluminium/steel conductors DIN EN 50182, steel crimping	Al/St	25/4 - 120/20	\bigcirc	331
Aluminium/copper compression cable lugs and connectors				
Aluminum side of aluminum/copper compression cable lugs and connectors: crimping dies A22, copper side of aluminum/copper compression cable lugs and connectors: crimping dies D22	Al/Cu	10 - 300	\bigcirc	330
Clamps				
Clamps, C-type	B	4 - 70	\bigcirc	331
Clamps, H-type	F	70	\bigcirc	331
Cable end-sleeves				
Twin cable end-sleeves	e D	2 x 4 - 2 x 16		332
Cable end-sleeves, trapezodial, for fine stranded conductors		10 - 240	\square	332
Twin cable end-sleeves, trapezodial, for fine stranded conductors	€£	2 x 4 - 2 x 16	\square	332



EK 60 VP Battery powered hydraulic crimping tool 10 - 240 mm²





- Crimps optimised at all times due to the patented centring system
- ► Fast crimp cycles due to Automatic Retraction Stop (ARS)
- ▶ All tool data in view thanks to display and i-press[®] app

Characteristics

- Choose your battery system: Bosch or Makita
- All data can be easily read via Bluetooth
- Quad-point indent crimping feature with patented centring system, no dies required
- Open head, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- 2-stage hydraulic system with fast feed and power stroke
- Simple and safe: Automatic retraction when operation is complete
- Always ready-to-use thanks to battery charge and service display

Technical data					
Crimping force	55 kN				
Crimping range	10 - 240 mm ²	10 - 240 mm ²			
Crimping cycle	3 s to 6 s (depending o	3 s to 6 s (depending on crimp cross-section)			
Charging time	45 min.				
Weight incl. battery	5.0 kg				
Ambient temperature	-10 °C up to +40 °C				
Item		Part No. Bosch	Part No. Makita		
Battery powered hydraulic crimp	bing tool 10 - 240 mm ²	EK60VPCFB	EK60VPCFM		
Scope of supply				Page	
Bosch battery 18 V / 5.0 Ah, Li-le	on	RALB2EU		485	
Bosch quick-charger for 18 V Li-	lon battery	LGLB1EU		486	
Makita battery 18 V / 4.0 Ah, Li-	lon		RAL40	484	
Makita quick-charger for 18 V Li-lon battery			LGL1	486	
Plastic case		KK120NG	KK120NG		
Accessories				Page	
Gauge and 10 Test cylinder		TS10B	TS10B		

Suitable for	Connection material	Crimping range mm ²	Crimp profile
Copper tubular cable	lugs and connecto	ors	
Tubular cable lugs, standard type, tubular cable lugs for switchgear connections	T)	10-240	\square
Connectors, standard type	T	10-120	\square
Tubular cable lugs for fine stranded conductors	•	10-240	\square
Connectors for fine stranded conductors		10-95	\square



EK 60 VP/FT Battery powered hydraulic crimping tool 16 - 300 mm²





c(VL)us

- > Suitable for crimping tubular cable lugs and connectors "standard type" and fine and superfine stranded conductors to 300 mm²
- Fast crimp cycles due to Automatic Retraction Stop (ARS)
- All tool data in view thanks to display and i-press[®] app

Characteristics

- Choose your battery system: Bosch or Makita
- All data can be easily read via Bluetooth
- Quad-point indent crimping feature with patented centring system, no dies required
- Closed head with bolt interlock, rotatable, flip top style
- Quality assurance via visual and audible signals in case of error
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- 2-stage hydraulic system with fast feed and power stroke
- Simple and safe: Automatic retraction when operation is complete
- Automatic retract stop (ARS) for positioning control in case of multiple crimps
- Always ready-to-use thanks to battery charge and service display

Technical data				
Crimping force	55 kN			
Crimping range	16 - 300 mm ²			
Crimping cycle	3 s to 6 s (depending o	3 s to 6 s (depending on crimp cross-section)		
Charging time	45 min.			
Weight incl. battery	5.1 kg			
Ambient temperature	-10 °C up to +40 °C			
Item		Part No. Bosch	Part No. Makita	
Battery powered hydraulic crimp	oing tool 16 - 300 mm ²	EK60VPFTCFB	EK60VPFTCFM	
Scope of supply				Page
Bosch battery 18 V / 5.0 Ah, Li-le	on	RALB2EU		485
Bosch battery 18 V / 5.0 Ah, Li-le Bosch quick-charger for 18 V Li-		RALB2EU LGLB1EU		485 486
	lon battery		RAL40	
Bosch quick-charger for 18 V Li-	lon battery lon		RAL40 LGL1	486
Bosch quick-charger for 18 V Li- Makita battery 18 V / 4.0 Ah, Li-	lon battery lon			486 484
Bosch quick-charger for 18 V Li- Makita battery 18 V / 4.0 Ah, Li- Makita quick-charger for 18 V Li	lon battery lon	LGLB1EU	LGL1	486 484
Bosch quick-charger for 18 V Li- Makita battery 18 V / 4.0 Ah, Li- Makita quick-charger for 18 V Li Plastic case	-lon battery lon i-lon battery	LGLB1EU	LGL1	486 484 486

Suitable for	Connection material	Crimping range mm ²	Crimp profile
Tubular cable lugs an	d connectors - Cu		
Tubular cable lugs and connectors, standard type, tubular cable lugs for switchgear connections	Ø	16-300	\Box
Tubular cable lugs and connectors for fine stranded conductors		16-300	$\left[\begin{array}{c} \\ \end{array} \right]$



EKM 60 ID Battery powered hydraulic crimping tool 10 - 240 mm²







Suitable for	Connection material	Crimping range mm ²	Crimp profile
Copper tubular cable lug	gs and connecto	ors	
Tubular cable lugs and connectors, standard type, Tubular cable lugs for switch gear connections	Ø	10 - 240	\bigtriangledown
Tubular cable lugs and connectors for fine stranded conductors	ø	10 - 240	\bigtriangledown
Terminals, connectors a	nd pin terminals	s acc. to DIN	
Solderless terminals (DIN 46234) connectors and pin terminals (DIN 46230, DIN 46341)	I	10 - 240	\bigotimes
Aluminum compression	cable lugs and	connectors	
Aluminum compression cable lugs and connec- tors acc. to DIN	AI	50 - 240	\bigtriangledown
Compression joints for full tension connections of Aldrey conductors accor- ding to DIN EN 50182	Aldrey	50 - 185	\bigtriangledown
Compression joints acc. to DIN 48085, part 3 for Al/St-cable acc. to DIN EN 50182	Al/St	50 - 240	\bigtriangledown
Aluminum/copper comp	ression cable lu	igs and connect	ors
Aluminum/copper compression cable lugs and connectors	Al/Cu	50 - 240	\bigtriangledown

- > Extra large crimping area due to innovative 2-stage telescopic cylinder
- Indent crimping no changing of dies required
- > All tool data in view thanks to display and i-press® app

Characteristics

- Choose your battery system: Bosch or Makita
- All data can be easily read via Bluetooth
- With innovative 2-stage telescopic cylinder
- Closed head, flip top style, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- Always ready-to-use thanks to battery charge and service display

Suitable for

- Very well suited for compacted conductors
- Especially for fine strand conductors to DIN VDE 60228
- Certified from 16 mm² onwards

Technical data				
Crimping force	30 - 60 kN			
Stroke / opening width	40.5 mm			
Crimping range Cu	10 - 240 mm ²			
Crimping range Al	50 - 240 mm ²			
Crimping cycle	2 s (for ARS) to 7 s (de	pending on cross	-section)	
Charging time	15 min.			
Weight incl. battery	2.5 kg			
Ambient temperature	-10 °C up to +40 °C			
Item		Part No. Bosch	Part No. Makita	
Battery powered hydraulic crir	mping tool 10 - 240 mm ²	EKM60IDCFB	EKM60IDCFM	
Scope of supply				Page
Bosch battery 18 V / 2.0 Ah, Li	-lon	RALB1EU		484
Bosch quick-charger for 18 V	Li-lon battery	LGLB1EU		486
Makita battery 18 V / 1.5 Ah, L	.i-lon		RAL1	483
Makita quick-charger for 18 V	Li-lon battery		LGL1	486
Plastic case		KK50NG	KK50NG	
Accessories				Page
Bosch battery 18 V / 5.0 Ah, Li	-lon	RALB2EU		485
Makita battery 18 V / 4.0 Ah, L	i-lon		RAL40	484
Variants				Page
L-BOXX with battery powered EKM60IDCFB, 10 - 240 mm ²	crimping tool	LBOXXEKM60IDCFB		203
L-BOXX with battery powered EKM60IDCFM, 10 - 240 mm ²	crimping tool		LBOXXEKM60IDCFM	203



EK 120 ID Battery powered hydraulic crimping tool 35 - 500 mm²





- ▶ For superfine-stranded conductors to 500 mm²
- Indent crimping, no dies required
- > All tool data in view thanks to display and i-press[®] app

Characteristics

- Choose your battery system: Bosch or Makita
- All data can be easily read via Bluetooth
- Closed head, flip top style, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- 2-stage hydraulic system with fast feed and power stroke
- Simple and safe: Automatic retraction when operation is complete
- Automatic retract stop (ARS) for positioning control in case of multiple crimps
- Always ready-to-use thanks to battery charge and service display

Technical data				
Crimping force	108 kN			
Stroke / opening width	52 mm			
Crimping range	35 - 500 mm²			
Crimping cycle	10 s to 11 s (depending	g on crimp cross-	-section)	
Charging time	45 min.			
Weight incl. battery	7.0 kg			
Ambient temperature	-10 °C up to +40 °C			
Item		Part No. Bosch	Part No. Makita	
Battery powered hydraulic crimp	bing tool 35 - 500 mm ²	EK120IDCFB	EK120IDCFM	
Scope of supply				Page
Bosch battery 18 V / 5.0 Ah, Li-le	on	RALB2EU		485
Bosch quick-charger for 18 V Li-	lon battery	LGLB1EU		486
Makita battery 18 V / 4.0 Ah, Li-	lon		RAL40	484
Makita quick-charger for 18 V Li	-lon battery		LGL1	486
Plastic case		KK120NG	KK120NG	
Accessories				Page
Bosch battery 18 V / 5.0 Ah, Li-le	on	RALB2EU		485
Makita battery 18 V / 4.0 Ah, Li-	lon		BAI 40	484

Suitable for	Connection material	Crimping range mm ²	Crimp profile
Copper tubular cable lug	gs and connecto	ors	
Tubular cable lugs and connectors, standard type, Tubular cable lugs for switch gear connections	Ø	70 - 185	\bigtriangledown
Tubular cable lugs and connectors for fine stranded conductors	Ø	70 - 240	\bigcirc
Terminals, connectors a	nd pin terminals	s acc. to DIN	
Solderless terminals (DIN 46234) connectors and pin terminals (DIN 46230, DIN 46341)	J	95 - 500	\bigtriangledown

NEXT GENERATION

EK 120/32 Battery powered hydraulic crimping tool 16 - 400 mm²







- Very large crimping range up to 400 mm²
- > Up to 60% fewer crimps thanks to wide crimping in comparison to 6 t tools
- > All tool data in view thanks to display and i-press[®] app

Characteristics

- Choose your battery system: Bosch or Makita
- All data can be easily read via Bluetooth
- Open head, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- 2-stage hydraulic system with fast feed and power stroke
- Simple and safe: Automatic retraction when operation is complete
- Automatic retract stop (ARS) for positioning control in case of multiple crimps
- Always ready-to-use thanks to battery charge and service display

Suitable for

- 13-series interchangeable dies, wide crimping

Technical data				
Crimping force	120 kN			
Stroke / opening width	32 mm			
Crimping range	16 - 400 mm ²			
Crimping cycle	7 s to 8 s (depending o	n crimp cross-se	ection)	
Charging time	45 min.			
Weight incl. battery	6.8 kg			
Ambient temperature	-10° C up to +40 °C			
Item		Part No. Bosch	Part No. Makita	
Battery powered hydraulic crir	nping tool 16 - 400 mm ²	EK12032CFB	EK12032CFM	
Scope of supply				Page
Bosch battery 18 V / 5.0 Ah, Li	-lon	RALB2EU		485
Bosch quick-charger for 18 V I	i-lon battery	LGLB1EU		486
Makita battery 18 V / 4.0 Ah, L	i-lon		RAL40	484
Makita quick-charger for 18 V	Li-lon battery		LGL1	486
Plastic case		KK120NG	KK120NG	
Accessories				Page
Bosch battery 18 V / 5.0 Ah, Li	-lon	RALB2EU		485
Makita battery 18 V / 4.0 Ah, L	: Ion		BAL40	484

Available dies for Series 13 for EK 120/32

Refer to the limitations when crimping connectors in the technical	appendix.			
Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Tubular cable lugs and connectors, Cu				
Tubular cable lugs, Cu, standard type, tubular cable lugs for switchgear connections	, esp	16 - 400	\bigcirc	333
Butt connectors, standard type	(SP)	16 - 185	\bigcirc	333
Insulated tubular cable lugs and connectors, insulated pin terminals		10 - 150	\bigcirc	333
Tubular cable lugs and connectors for fine stranded conductors		10 - 150	\bigtriangledown	334

See next page



Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Tubular cable lugs and connectors - stainless steel, Ni				
Tubular cable lugs and connectors – VA	VA	10 - 50	\bigtriangledown	334
Tubular cable lugs and connectors – VA	VA	70 - 95	\bigtriangledown	334
Tubular cable lugs and connectors - Ni	Ni	10 - 50	\bigtriangledown	334
Tubular cable lugs and connectors - Ni	Ni	70 - 95	\bigtriangledown	334
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN46230) and connectors (DIN 46267, part 1) Cu		10 - 300	\bigcirc	334
Compression joints DIN 46267 part 1		10 - 150	\bigcirc	334
Double compression cable lugs	(III)	2 x 50 - 2 x 120	\bigcirc	334
Terminals, connectors and pin terminals acc. to DIN - Cu				
Terminals (DIN 46234) and pin terminals (DIN 46230) Cu, solderless connectors (DIN 46341) Cu	T	10 - 150	\bigotimes	335
Insulated terminals and pin terminals		10 - 95	$\overline{\bigcirc}$	335
Sleeves for compacted conductors and sector shaped conductors,	Cu			
Pre-rounding crimping dies for Al and Cu sector shaped conductors		10 sm - 300 se / 300 sm	\bigcirc	335
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN	AI	10-300 rm/sm, 16 - 300 re/se	\bigcirc	336
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182, Al conductors DIN EN 50182, 120 - 185 mm²	Aldrey	25 - 185	\bigcirc	336
Compression joints acc. to DIN 45085, part 3 for Al-steel cable acc. to DIN EN 50182, aluminum crimping	Al/St	4-20 (St) - 25-120 (Al)	\bigcirc	336
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	4-20 (St) - 25-120 (Al)	\bigcirc	336
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10-300 rm/sm, 16 - 300 re/se	\bigcirc	336
Clamps				
Clamps, C-type	B	10 - 70	\bigcirc	337
Clamps, H-type	F	70 - 120	\bigcirc	337
Cable end-sleeves				
Cable end-sleeves		25 - 240		337

EK 120/42 Battery powered hydraulic crimping tool 16 - 400 mm²







- C-head with very wide crimping range to 400 mm²
- > Up to 60% fewer crimps thanks to wide crimping in comparison to 6 t tools
- > Easy handling by optimum weight distribution
- All tool data in view thanks to display and i-press[®] app

Characteristics

- Choose your battery system: Bosch or Makita
- All data can be easily read via Bluetooth
- Open head, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- 2-stage hydraulic system with fast feed and power stroke
- Simple and safe: Automatic retraction when operation is complete
- Automatic retract stop (ARS) for positioning control in case of multiple crimps
- Always ready-to-use thanks to battery charge and service display

Suitable for

- 13-series interchangeable dies, wide crimping

Technical data				
Crimping force	120 kN			
Stroke / opening width	42 mm			
Crimping range	16 - 400 mm ²			
Crimping cycle	8 s to 9 s (depending c	on crimp cross-se	ection)	
Charging time	45 min.			
Weight incl. battery	7.1 kg			
Ambient temperature	-10 °C up to +40 °C			
Item		Part No. Bosch	Part No. Makita	
Battery powered hydraulic cr	rimping tool 16 - 400 mm ²	EK12042CFB	EK12042CFM	
Scope of supply				Page
Bosch battery 18 V / 5.0 Ah,	Li-lon	RALB2EU		485
Bosch quick-charger for 18	/ Li-lon battery	LGLB1EU		486
Makita battery 18 V / 4.0 Ah,	Li-lon		RAL40	484
Makita quick-charger for 18	V Li-lon battery		LGL1	486
Plastic case		KK120NG	KK120NG	
Accessories				Page
Bosch battery 18 V / 5.0 Ah,	Li-lon	RALB2EU		485
Makita battery 18 V / 4.0 Ah,	Li-lon		RAL40	484



Available dies for Series 13 for EK 120/42

Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Tubular cable lugs and connectors, Cu				
Tubular cable lugs and connectors, Cu, standard type, tubular cable lugs for switchgear connections	T	16 - 400	\bigcirc	333
Insulated tubular cable lugs and connectors, insulated pin terminals	ET]]	10 - 150	\bigcirc	333
Tubular cable lugs and connectors for fine stranded conductors		10 - 150	\bigotimes	334
Tubular cable lugs and connectors - stainless steel, Ni				
Tubular cable lugs and connectors – VA	VA	10 - 50	\bigtriangledown	334
Tubular cable lugs and connectors – VA	VA	70 - 95	\bigtriangledown	334
Tubular cable lugs and connectors - Ni	Ni	10 - 50	\bigtriangledown	334
Tubular cable lugs and connectors - Ni	Ni	70 - 95	\bigotimes	334
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu		10 - 300	\bigcirc	334
Double compression cable lugs	(I)	2 x 50 - 2 x 120	\bigcirc	334
Terminals, connectors and pin terminals acc. to DIN - Cu				
Terminals (DIN 46234) and pin terminals (DIN 46230) Cu, solderless connectors (DIN 46341) Cu	T	10 - 150	\bigotimes	335
Insulated terminals and pin terminals	I	10 - 95	\bigotimes	335
Sleeves for compacted conductors and sector shaped conductors,	Cu			
Pre-rounding crimping dies for Al and Cu sector shaped conductors		10 sm - 300 se / 300 sm	\bigcirc	335
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN	Al	10-300 rm/sm, 16 - 300 re/se	\bigcirc	336
Compression points for full tension connections of Aldrey cables acc. to DIN EN 50182, Al conductors DIN EN 50182, 120 - 185 mm ²	Aldrey	25 - 185	\bigcirc	336
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	4-20 (St) - 25-120 (Al)	\bigcirc	336
Compression joints acc. to DIN 45085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	4-20 (St) - 25-120 (Al)	\bigcirc	336
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10-300 rm/sm, 16 - 300 re/se	\bigcirc	336
Clamps				
Clamps, C-type	B	10 - 70	\bigcirc	337
Clamps, H-type	T	70 - 120	\bigcirc	337
Cable end-sleeves				
Cable end-sleeves		25 - 240	\square	337

EK 120 U Battery powered hydraulic crimping tool 16 - 400 mm²





- H-head for deep groove crimps
- > Up to 60% fewer crimps thanks to wide crimping in comparison to 6 t tools
- All tool data in view thanks to display and i-press[®] app

Characteristics

- Choose your battery system: Bosch or Makita
- All data can be easily read via Bluetooth
- Closed head, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- 2-stage hydraulic system with fast feed and power stroke
- Simple and safe: Automatic retraction when operation is complete
- Automatic retract stop (ARS) for positioning control in case of multiple crimps
- Always ready-to-use thanks to battery charge and service display

Suitable for

- 13-series interchangeable dies, wide crimping

Technical data				
Crimping force	120 kN			
Stroke / opening width	20 mm			
Crimping range	16 - 400 mm ²			
Crimping cycle	7 s to 8 s (depending o	n crimp cross-se	ection)	
Charging time	45 min.			
Weight incl. battery	6.2 kg			
Ambient temperature	-10° C up to +40 °C			
Item		Part No. Bosch	Part No. Makita	
Battery powered hydraulic cri	imping tool 16 - 400 mm ²	EK120UCFB	EK120UCFM	
Scope of supply				Page
Bosch battery 18 V / 5.0 Ah, L	_i-lon	RALB2EU		485
Bosch quick-charger for 18 V	Li-lon battery	LGLB1EU		486
Makita battery 18 V / 4.0 Ah,	Li-lon		RAL40	484
Makita quick-charger for 18	/ Li-lon battery		LGL1	486
Plastic case		KK120NG	KK120NG	
Accessories				Page
Bosch battery 18 V / 5.0 Ah, L	_i-lon	RALB2EU		485
Makita battery 18 V / 4.0 Ah,	Li-lon		RAL40	484



Available dies for Series 13 for EK 120 U

Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Tubular cable lugs and connectors, Cu				,
Tubular cable lugs and connectors, Cu, standard type, tubular cable lugs for switchgear connections	<u>e</u>	16 - 400	\bigcirc	333
Insulated tubular cable lugs and connectors, insulated pin terminals		10 - 150	\bigcirc	333
Tubular cable lugs and connectors for fine stranded conductors		10 - 150	\bigotimes	334
Tubular cable lugs and connectors - stainless steel, Ni				
Tubular cable lugs and connectors – VA	VA	10 - 50	\bigtriangledown	334
Tubular cable lugs and connectors – VA	VA	70 - 95	\bigcirc	334
Tubular cable lugs and connectors - Ni	Ni	10 - 50	\bigtriangledown	334
Tubular cable lugs and connectors - Ni	Ni	70 - 95	\bigcirc	334
Compression cable lugs and connectors acc. to DIN - Cu			_	
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	10 - 300	\bigcirc	334
Double compression cable lugs	OP)	2 x 50 - 2 x 120	\bigcirc	334
Terminals, connectors and pin terminals acc. to DIN - Cu				
Terminals (DIN 46234) and pin terminals (DIN 46230) Cu, solderless connectors (DIN 46341) Cu	I	10 - 150	\bigcirc	335
Insulated terminals and pin terminals		10 - 95	$\overline{\bigcirc}$	335
Sleeves for compacted conductors and sector shaped conductors, (Cu			
Pre-rounding crimping dies for Al and Cu sector shaped conductors		10 sm - 300 se / 300 sm	\bigcirc	335
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN	AI	10-300 rm/sm, 16 - 300 re/se	\bigcirc	336
Compression points for full tension connections of Aldrey cables acc. to DIN EN 50182, Al conductors DIN EN 50182, 120 - 185 mm ²	Aldrey	25 - 185	\bigcirc	336
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	4-20 (St) - 25-120 (Al)	\bigcirc	336
Compression joints acc. to DIN 45085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	4-20 (St) - 25-120 (Al)		336
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10-300 rm/sm, 16 - 300 re/se	\bigcirc	336
Clamps				
Clamps, C-type	G	10 - 70	\bigcirc	337
Clamps, H-type	T	70 - 120	\bigcirc	337
Cable end-sleeves				
Cable end-sleeves		25 - 240	\square	337

EK 135 FT Battery powered hydraulic crimping tool 10 - 630 mm²







- Very large crimping range to 630 mm²
- Very powerful with a crimping force of 13.5 t
- All tool data in view thanks to display and i-press[®] app

Characteristics

- Choose your battery system: Bosch or Makita
- All data can be easily read via Bluetooth
- Closed head, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- 2-stage hydraulic system with fast feed and power stroke
- Simple and safe: Automatic retraction when operation is complete
- Automatic retract stop (ARS) for positioning control in case of multiple crimps
- Always ready-to-use thanks to battery charge and service display

Suitable for

- 13-series interchangeable dies, wide crimping
- 15-series interchangeable dies, wide crimping

Technical data				
Crimping force	135 kN			
Stroke / opening width	50.8 mm			
Crimping range	10 - 630 mm ²			
Crimping cycle	ca. 10 s to 11 s (depen	ding on cross-se	ction)	
Charging time	45 min.			
Weight incl. battery	10.2 kg			
Ambient temperature	-10 °C up to +40 °C			
Item		Part No. Bosch	Part No. Makita	
Battery powered hydraulic crim	iping tool 10 - 630 mm ²	EK135FTCFB	EK135FTCFM	
Scope of supply				Page
Scope of supply Adapter for crimping dies series	s 13	UA15T	UA15T	Page
1 112		UA15T RALB2EU	UA15T	Page 485
Adapter for crimping dies series	lon		UA15T	0
Adapter for crimping dies series Bosch battery 18 V / 5.0 Ah, Li-	lon i-lon battery	RALB2EU	UA15T RAL40	485
Adapter for crimping dies series Bosch battery 18 V / 5.0 Ah, Li- Bosch quick-charger for 18 V L	lon i-lon battery -lon	RALB2EU		485 486
Adapter for crimping dies serie: Bosch battery 18 V / 5.0 Ah, Li- Bosch quick-charger for 18 V L Makita battery 18 V / 4.0 Ah, Li-	lon i-lon battery -lon	RALB2EU	RAL40	485 486 484
Adapter for crimping dies serie: Bosch battery 18 V / 5.0 Ah, Li- Bosch quick-charger for 18 V L Makita battery 18 V / 4.0 Ah, Li Makita quick-charger for 18 V L	lon i-lon battery -lon	RALB2EU LGLB1EU	RAL40 LGL1	485 486 484
Adapter for crimping dies series Bosch battery 18 V / 5.0 Ah, Li- Bosch quick-charger for 18 V L Makita battery 18 V / 4.0 Ah, Li Makita quick-charger for 18 V L Plastic case	lon i-lon battery -lon i-lon battery	RALB2EU LGLB1EU	RAL40 LGL1	485 486 484 486



Available dies for Series 13 for EK 135 FT

Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Tubular cable lugs and connectors, Cu				
Tubular cable lugs and connectors, Cu, standard type, tubular cable lugs for switchgear connections	Ś	16 - 400	\bigcirc	333
Insulated tubular cable lugs and connectors, insulated pin terminals	I	10 - 150	\bigcirc	333
Tubular cable lugs and connectors for fine stranded conductors		10 - 150	\bigcirc	334
Tubular cable lugs and connectors - stainless steel, Ni				
Tubular cable lugs and connectors – VA	VA	10 - 50	\bigtriangledown	334
Tubular cable lugs and connectors – VA	VA	70 - 95	\sum	334
Tubular cable lugs and connectors - Ni	Ni	10 - 50	\bigtriangledown	334
Tubular cable lugs and connectors - Ni	Ni	70 - 95	\bigcirc	334
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu		10 - 300	\bigcirc	334
Double compression cable lugs	OF)	2 x 50 - 2 x 120	\bigcirc	334
Terminals, connectors and pin terminals acc. to DIN - Cu				
Terminals (DIN 46234) and pin terminals (DIN 46230) Cu, solderless connectors (DIN 46341) Cu	T	10 - 150	\bigtriangledown	335
Insulated terminals and pin terminals		10 - 95	\bigotimes	335
Sleeves for compacted conductors and sector shaped conductors, 0	Cu			
Pre-rounding crimping dies for Al and Cu sector shaped conductors		10 sm - 300 se / 300 sm	\bigcirc	335
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN	AI	10-300 rm/sm, 16 - 300 re/se	\bigcirc	336
Compression points for full tension connections of Aldrey cables acc. to DIN EN 50182, Al conductors DIN EN 50182, 120 - 185 mm ²	Aldrey	25 - 185	\bigcirc	336
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	4-20 (St) - 25-120 (Al)	\bigcirc	336
Compression joints acc. to DIN 45085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	4-20 (St) - 25-120 (Al)	\bigcirc	336
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10-300 rm/sm, 16 - 300 re/se	\bigcirc	336
Clamps				
Clamps, C-type	P	10 - 70	\bigcirc	337
Clamps, H-type	T	70 - 120	\bigcirc	337
Cable end-sleeves				
Cable end-sleeves		25 - 240	\square	337



Available dies for Series 15 for EK 135 FT

Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	400 - 625	\bigcirc	338
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN	AI	400 - 500	\bigcirc	338
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	400 - 500	\bigcirc	338