

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

- ▶ Superior performance by special strong motor, 2-stage hydraulic system and 18V / 3.0 Ah Li-Ion battery
- ▶ Large crimping range up to 300 mm²
- ▶ Slim crimping head - ideal when space is critical

Characteristics

- For interchangeable dies, series 22, narrow crimping
- Closed crimping head, flip top style, rotatable
- Electronic control and monitoring of crimping operation
- Integrated pressure measurement with visual and audible signals in case of failure
- Evaluation function using optical interface and USB adapter
- One-button operating concept for controlling all tooling functions
- Ergonomic 2-component plastic housing with soft linings
- Balanced centre of gravity for easy handling
- LED for workplace illumination
- High-performance 18V Li-Ion battery with high capacity
- High-performance motors for maximum operating speed
- 2-stage hydraulic system with fast feed and power stroke
- Energy saving function by stopping motor after successful crimping process
- Quick motor stop for high user safety
- Automatic retraction when crimping is complete
- Manual retract in case of need
- Automatic retract stop (ARS) for positioning control in case of multiple crimpings
- Multi-function LED for maintenance control, charge level indicator of the battery and for data transmission via USB adapter
- Environmentally-friendly hydraulic oil, quickly biodegradable















































Technical data	
Crimping force	60 kN
Stroke / opening width	17 mm
Crimping range	6 - 300 mm ²
Crimping cycle	3 s to 5 s (depending on cross-section)
Number of crimps	approx. 300 at 150 mm ² Cu DIN
Battery voltage	18 V
Battery capacity	3.0 Ah, Li-Ion
Charging time	22 min.
Weight incl. battery	4.2 kg
Ambient temperature	-12°C to +40 °C

Item	Part No.
Battery powered hydraulic crimping tool 6 - 300 mm ²	EK6022L
Scope of supply	
Battery 18 V / 3.0 Ah, Li-Ion (54 Wh)	NG2230 398
Quick-charger for 18V Li-Ion batteries, 230 V	LGL1 400
Plastic case	KK120L

Accessories	Part No.	Page
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408
Digital meter for force and pressure measurement	TC1U	406
Measuring adapter, series 22	MA22	406
Force sensor, 70 kN	TF70L	406

Variants	Part No.	Page
EK 60/22-L with crimping die set R 22 from 16 - 240 mm ²	EK6022LSETR	
EK 60/22-L with crimping die set D 22 from 16 - 240 mm ²	EK6022LSETD	

Available dies for Series 22 for EK 60/22-L

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 VDE 0295, class 2		6 - 300		433
Tubular cable lugs and connectors, Cu, standard type, tubular cable lugs for switchgear connections		6 - 300		434
Insulated tubular cable lugs and connectors, insulated pin terminals		10 - 150		434
Tubular cable lugs and connectors for fine stranded conductors		10 - 70		435
Tubular cable lugs and connectors for solid conductors		1.5 - 16		435
Tubular cable lugs and connectors, Ni, stainless steel				
Tubular cable lugs and connectors, stainless steel		0.5 - 16		435
Tubular cable lugs and connectors, Ni		10 - 50		435
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu		6 - 300		436
Double crimping compression cable lugs		2 x 50 - 2 x 70		436
Terminals, connectors and pin terminals acc. to DIN - Cu				
Terminals (DIN 46234) and pin terminals (DIN 46230) Cu, solderless connectors (DIN 46341) Cu		10 - 70		437
Insulated terminals and pin terminals		10 - 70		437
Sleeves for compacted conductors and sector shaped conductors, Cu				
Pre-rounding crimping dies for Al and Cu sector shaped conductors		10 sm - 300 se / 240sm		437
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN		10 - 300		438
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182, Al conductors DIN EN 50182, 120 - 185 mm ²		25 - 185		438
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping		25/4 - 120/20		439
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping		25/4 - 120/20		439
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors		10 - 300		438
Clamps				
Clamps, C-type		4 - 50		439
Clamps, H-type		70		439
Cable end-sleeves				
Cable end-sleeves		10 - 240		440
Twin cable end-sleeves		2 x 4 - 2 x 16		440
Cable end-sleeves, trapezoidal, for fine stranded conductors		10 - 240		440
Twin cable end-sleeves, trapezoidal, for fine stranded conductors		2 x 4 - 2 x 16		441

Please observe the restrictions in the technical index when crimping connectors!

K22 SERIE



K 22

HK 60/22

HK 60 UNV + UA22

EK 60/22

EKM 60/22

EKM 60/22 IS

EKM 60 UNV + UA22

EK 60 UNV + UA22

THK 22

PK 22

PK 60 UNV + UA22

Crimping dies R 22

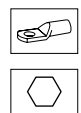


Suitable for

- Tubular cable lugs and connectors - Cu, standard type
- Tubular cable lugs for switchgear connections

Cross section mm ²	Part No.	Crimp width mm
6	R226	5
10	R2210	5
16	R2216	5
25	R2225	5
35	R2235	5
50	R2250	5
70	R2270	5
95	R2295	5
120	R22120	5
150	R22150	5
185	R22185	5
240	R22240	5
300	R22300	5

Crimping die set, 6 - 300 mm² R 22 in plastic case, 14-pce.

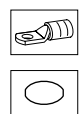


Suitable for

- Tubular cable lugs and connectors - Cu, standard type
- Tubular cable lugs for switchgear connections

Part No.
R22SET

Crimping dies IS 22



Suitable for

- Insulated tubular cable lugs and connectors
- Insulated pin terminals

Cross section mm ²	Part No.	Crimp width mm
10	IS2210	5
16	IS2216	5
25	IS2225	5
35	IS2235	5
50	IS2250	5
70	IS2270	5
95	IS2295	5
120	IS22120	5
150	IS22150	5



Crimping dies, blue connection® B 22



► Accurate assignment of crimping tool/crimping die through colour-coding system

Suitable for

- Tubular cable lugs and connectors, blue connection® for compacted conductors acc. to DIN EN 60228 Class 2

Cross section mm ²	Part No.	Crimp width mm	Number of crimps
6	B226	9	1
10	B2210	9	1
16	B2216	9	1
25	B2225	9	1
35	B2235	9	1
50	B2250	9	1
70	B2270	9	1
95	B2295	9	1
120	B22120	9	1
150	B22150	9	1
185	B22185	5	2
240	B22240	5	2
300	B22300	5	3

Crimping die set 6 - 300 mm², blue connection® B22 in plastic case, 14-pce.



Suitable for

- Tubular cable lugs and connectors, blue connection® for compacted conductors acc. to DIN EN 60228 Class 2

Part No.
B22SET

Crimping dies F 22



Suitable for

- Tubular cable lugs and connectors for fine stranded conductors

Cross section mm ²	Part No.
10	F2210
16	F2216
25	F2225
35	F2235
50	F2250
70	F2270

Crimping dies M 22



Suitable for

- Tubular cable lugs and connectors for solid conductors

Cross section mm ²	Part No.	Crimp width mm
1.5 - 4	M22154	5
6 - 10	M22610	5
16	M2216	5

Crimping dies N 22



Suitable for

- Tubular cable lugs and connectors - Ni
- Tubular cable lugs and connectors - stainless steel

Cross section mm ²	Part No.
10	N2210
16	N2216
25	N2225
35	N2235
50	N2250

Crimping dies D 22



Suitable for

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

Cross section mm ²	Part No.	Code	Crimp width mm
6	D226	5	5
10	D2210	6	5
16	D2216	8	5
25	D2225	10	5
35	D2235	12	5
50	D2250	14	5
70	D2270	16	5
95	D2295	18	5
120	D22120	20	5
150	D22150	22	5
185	D22185	25	5
240	D22240	28	5
300	D22300	32	5

Crimping die set, 6-300 mm² D 22 in plastic case, 14-pce.

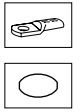


Suitable for

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

Part No.
D22SET

Crimping dies DP 22

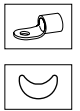


Suitable for

- Double compression cable lugs

Cross section mm ²	Part No.	Code
2 x 50	DP2250	22 DP
2 x 70	DP2270	24 DP

Crimping dies Q 22

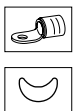


Suitable for

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

Cross section mm ²	Part No.
10	Q2210
16	Q2216
25	Q2225
35	Q2235
50	Q2250
70	Q2270

Crimping dies ISQ 22

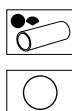


Suitable for

- Insulated solderless terminals and pin terminals

Cross section mm ²	Part No.
10	ISQ2210
16	ISQ2216
25	ISQ2225
35	ISQ2235
50	ISQ2250
70	ISQ2270

Crimping dies RU 22

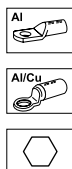


Suitable for

- Pre-rounding of sector-shaped Al- and Cu-conductors
- 3- and 4-core sector-shaped conductors

Nominal cross section mm ² re/sm	Nominal cross section mm ² rm/sm	Part No.	Pre-rounding width mm
	10	RU2210	19.5
	16	RU2216	19.5
35	25	RU223525	19.5
50	35	RU225035	19.5
70	50	RU227050	19.5
95	70	RU229570	19.5
120	95	RU2212095	19.5
150	120	RU22150120	19.5
185	150	RU22185150	19.5
240	185	RU22240185	19.5
300	240	RU22300240	19.5
	300	RU22300SM	19,5

Crimping dies A 22

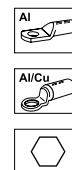


Suitable for

- Compression cable lugs and connectors to DIN - Al
- Compression cable lugs and connectors Al/Cu (aluminium side)

Nominal cross section mm ² re/se	Nominal cross section mm ² rm/sm	Part No.	Code	Crimp width mm
16	10	A2210	10	7
25-35	16-25	A221625	12	7
50	35	A2235	14	7
70	50	A2250	16	7
95	70	A2270	18	7
120-150	95-120	A2295120	22	7
185	150	A22150	25	7
270	185	A22185	28	7
300	240	A22240	32	5
400	300	A22300	34	5

Crimping die set, 10-300 mm² A 22 in plastic case, 11-pce.



Suitable for

- Compression cable lugs and connectors to DIN - Al
- Compression cable lugs and connectors Al/Cu (aluminium side)

Part No.
A22SET

Crimping dies AD 22



Suitable for

- Compression joints for full tension connections of Aldrey conductors according to DIN EN 50182
- Al-conductor acc. to DIN EN 50182, 120 - 185 mm²

Cross section mm ²	Part No.	Code	Crimp width mm
25	AD2225	12	7
35	AD2235	14	7
50	AD2250	16	7
70	AD2270	18	7
95	AD2295	20	7
120	AD22120	25	7
150 - 185	AD22150185	28	7

Crimping dies AST 22



Suitable for

- Compression joints acc. to DIN 48085, part 3 for Al-/St-cable acc. to DIN EN 50182
- Aluminium crimping

Cross section mm ²	Part No.	Code	Crimp width mm
25 - 4	AST2225	12	7
35 - 6	AST2235	14	7
50 - 8	AST2250	16	7
70 - 12	AST2270	18	7
95 - 15	AST2295	22	7
120 - 20	AST22120	25	7

Crimping dies ST 22

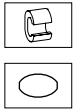


Suitable for

- Compression joints acc. to DIN 48085, part 3 for Al-/St-cable acc. to DIN EN 50182
- Steel crimping

Cross section mm ²	Part No.	Code	Crimp width mm
25 - 4 35 - 6	ST2246	6	5
50 - 8	ST228	7	5
70 - 12 95 - 15	ST221215	9	5
120 - 20	ST2220	13	5

Crimping dies C 22 / MC 22



Suitable for

- C-clamps

Cross section mm ²	Part No.	Crimp width mm
16	C2216	5
25	C2225	5
35	C2235	5
50	C2250	5
70	C2270	5
4 - 4	MC224	5
10 - 10	MC2210	5
10 - 1 10 - 25 35 - 35	MC2235	5

Crimping dies H 22



Suitable for

- H-clamps

Cross section mm ²	Part No.	Crimp width mm
70	H2270	5



Crimping dies AES 22



Suitable for

- Cable end-sleeves
- Special trapezoid crimp for fine stranded conductors

Additional information

- * = Not suitable for THK 22 due to opening width

Cross section mm ²	Part No.	Crimp width mm
10	AES2210S	21
16	AES2216S	21
25	AES2225S	21
35	AES2235S	21
50	AES2250S	21
70	AES2270S	21
95	AES2295S	21
120	AES22120S	21
150	AES22150S	21
185 *	AES22185S	21
240 *	AES22240S	21

Crimping dies ZAE 22



Suitable for

- Twin-cable end-sleeves

Cross section mm ²	Part No.	Crimp width mm
2 x 4	ZAE224	21
2 x 6	ZAE226	21
2 x 10	ZAE2210	21
2 x 16	ZAE2216	21

Crimping dies ZAES 22



Suitable for

- Twin-cable end-sleeves
- Special trapezoid crimp for fine stranded conductors

Cross section mm ²	Part No.	Crimp width mm
2 x 4	ZAES224	21
2 x 6	ZAES226	21
2 x 10	ZAES2210	21
2 x 16	ZAES2216	21