

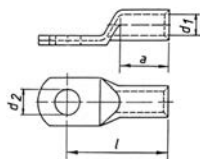


**Electrical connecting  
systems, Hand tools  
2014 / 2015**



**Tubular cable lugs, copper**  
**0,75 - 1000 mm<sup>2</sup>**

- With or without inspection hole
- Material: Copper acc. to EN 13600
- Surface: tin plated

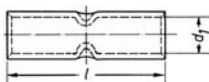


Cable Size mm <sup>2</sup>	Bolt ø	Without inspection hole	With inspection hole	Dimensions mm*			
				l	a	d1	d2
0,75	M 3	NDC 0,75/3	L 0,75/3 MS	15	6	1,3	3,2
1,5	M 5	NDC 1,5/5	L 1,5/5 MS	19	6	1,8	5,3
2,5	M 5	NDC 2,5/5	L 2,5/5 MS	19	6	2,3	5,3
4	M 5	NDC 4/5	L 4/5 MS	22	8	3	5,3
6	M 6	NDC 6/6	L 6/6 MS	26	9	4	6,5
10	M 6	NDC 10/6	L 10/6 MS	28	10	4,4	6,5
16	M 8	NDC 16/8	L 16/8 MS	35	11	5,5	8,5
25	M 8	NDC 25/8	L 25/8 MS	38	12	6,8	8,5
35	M 8	NDC 35 /8	L 35/8 MS	42	15	8,2	8,5
50	M 10	NDC 50/10	L 50/10 MS	50	18	9,5	10,5
70	M 10	NDC 70/10	L 70/10 MS	53	20	11,2	10,5
95	M 12	NDC 95/12	L 95/12 MS	60	22	13,4	13
120	M 12	NDC 120/12	L 120/12 MS	65	26	15	13
150	M 12	NDC 150/12	L 150/12 MS	72	30	16,5	13
185	M 16	NDC 185/16	L 185/16 MS	83	30	19	17
240	M 16	NDC 240 /16	L 240 /16 MS	94	35	21	17
300	M 20	NDC 300 /20	L 300 /20 MS	111	44	23,5	21
400	M 20	NDC 400 /20	L 400 /20 MS	114	44	27	21
500	M 20	NDC 500 /20	L 500 /20 MS	144	68	31	21
630	M 20	NDC 630 /20	L 630 /20 MS	144	68	34	21
800	M 20	NDC 800 /20	L 800 /20 MS	195	100	40	21
1000	M 20	NDC1000 /20	L 1000 /20 MS	200	100	44	21

\* Other bolt sizes are available on request

**Butt-connectors, copper**  
**0,75 - 1000 mm<sup>2</sup>**

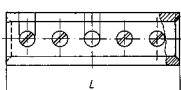
- Material: Copper acc. to EN 13600
- Surface: tin plated



Cable Size mm <sup>2</sup>	Order Reference	l	d1	Cable Size mm <sup>2</sup>	Order Reference	l	d1
0,75	NDC 0,75 L	20	1,3	95	NDC 95 L	60	13,4
1,5	NDC 1,5 L	25	1,8	120	NDC 120 L	65	15
2,5	NDC 2,5 L	25	2,3	150	NDC 150 L	70	16,5
4	NDC 4 L	25	3	185	NDC 185 L	80	19
6	NDC 6 L	25	4	240	NDC 240 L	90	21
10	NDC 10 L	30	4,4	300	NDC 300 L	100	23,5
16	NDC 16 L	35	5,5	400	NDC 400 L	110	27
25	NDC 25 L	40	6,8	500	NDC 500 L	140	31
35	NDC 35 L	45	8,2	630	NDC 630 L	160	34
50	NDC 50 L	50	9,5	800	NDC 800 L	200	40
70	NDC 70 L	55	11,2	1000	NDC 1000 L	200	44

**Brass screw connectors**  
**10 - 300 mm<sup>2</sup>**

- Material: CuZn 40 Pb 2 DIN 17660, Screws: DIN 551 steel zinc plated
- Surface: tin plated



Cable Size mm <sup>2</sup>	Order Reference	l	number of screws	Cable Size mm <sup>2</sup>	Order Reference	l	number of screws
10	NDC 10 SS	30	2	95	NDC 95 SS	55	4
16	NDC 16 SS	40	4	120	NDC 120 SS	55	4
25	NDC 25 SS	45	4	150	NDC 150 SS	60	4
35	NDC 35 SS	45	4	185	NDC 185 SS	60	10
50	NDC 50 SS	48	4	240	NDC 240 SS	65	10
70	NDC 70 SS	52	4	300	NDC 300 SS	65	10

Screws of the screw connectors are for fixation purposes of conductors only. A firm connection needs to be soldered.

## Mechanical crimping tools

### ■ K 35

Mechanical crimping tool for cable end-sleeves 10 - 35 mm<sup>2</sup>

- Indent crimping for round clamp opening, lateral insertion
- For large cross sections up to 35 mm<sup>2</sup>, ergonomic handles

Part No.	Range	Length	Weight
<b>K35</b>	10-35 mm <sup>2</sup>	230 mm	0.24 kg



35 mm<sup>2</sup>



### ■ K 2

Mechanical crimping tool for tubular cable lugs and connectors, standard type 0.75 - 16 mm<sup>2</sup>

- Indent crimping
- With ratchet, spring supported tool opening

Part No.	Range	Length	Weight
<b>K2</b>	0,75-16 mm <sup>2</sup>	325 mm	0.6 kg



16 mm<sup>2</sup>



### ■ K 5

Mechanical crimping tool for tubular cable lugs and connectors standard type and tubular cable lugs and compression joints for fine stranded conductors 6 - 50 mm<sup>2</sup>

- Indent crimping, with revolving dies

Part No.	Range	Length	Weight
<b>K5</b>	6-50 mm <sup>2</sup>	600 mm	2.4 kg



50 mm<sup>2</sup>



### ■ K 05 L, K 06 L, K 08 L, K 09 L

Mechanical crimping tool for tubular cable lugs and connectors

- Hexagonal crimping, lateral insertion
- With revolving dies

Part No.	Range	Length	Weight
<b>K05L</b>	6-70 mm <sup>2</sup>	390 mm	1.1 kg
<b>K06L</b>	10-120 mm <sup>2</sup>	650 mm	2.9 kg
<b>K08L</b>	16-95 mm <sup>2</sup>	530 mm	1.8 kg
<b>K09L</b>	25-150 mm <sup>2</sup>	650 mm	2.9 kg



150 mm<sup>2</sup>

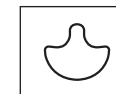


### ■ K 6, K 7, K 07, K 8

Mechanical crimping tools for tubular cable lugs and connectors standard type and tubular cable lugs and connectors for fine stranded conductors

- Indent crimping, with revolving dies, telescopic lever handles

Part No.	Range	Length	Weight
<b>K6</b>	50-120 mm <sup>2</sup>	970 mm	4.4 kg
<b>K7</b>	120-240 mm <sup>2</sup>	975 mm	4.6 kg
<b>K07</b>	185-400 mm <sup>2</sup>	975 mm	4.7 kg
<b>K8</b>	35-95 mm <sup>2</sup>	970 mm	4.4 kg



400 mm<sup>2</sup>

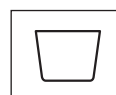


### ■ K 507

Mechanical crimping tool for interchangeable dies

- Exchangeable crimping dies, easy change by locking pins
- Tool complete with dies

Part No.	Range	Length	Weight
<b>K507</b>		220 mm	0.6 kg
	0.5 - 6 mm <sup>2</sup>	die for insulated cable connection	
	0.14 - 10 mm <sup>2</sup>	die for cable end-sleeves	
	0.5 - 10 mm <sup>2</sup>	die for solderless terminals	



10 mm<sup>2</sup>





## Mechanical crimping tools and cable cutters

### K 22

Crimping tool for interchangeable dies 6 - 300 mm<sup>2</sup>

- Crimping head rotates 360°, flip top style
- Optimised for cable glands and panel building
- With telescopic handles

**22**  
Klauke

300 mm<sup>2</sup>



Part No.	Range	Length	Weight
<b>K22</b>	6 - 300 mm <sup>2</sup>	stepless 560 - 860 mm	2.5 kg

Please ask for dies series 22.

### K 100

Hand-operated cutting tool for Cu and Al cables up to 14 mm Ø

- For fine and multi-stranded cable
- Short design

Cu/Al

14 mm Ø



Part No.	Range	Length	Weight
<b>K100</b>	max 14 mm Ø	280 mm	0.55 kg

### K 106/1

Hand-operated cutting tool for Cu and Al cables up to 32 mm Ø

- For earth, plastic and rubber cables
- One hand operation, high leverage (1-tooth system)

Cu/Al

32 mm Ø



Part No.	Cutting range	Length	Weight
<b>K1061</b>	max 32 mm Ø	250 mm	0.55 kg

### K 106/2

Hand operated cutting tool for Cu and Al cables up to 52 mm Ø

- For earth, plastic and rubber cables
- One hand operation, high leverage (1-tooth system)

Cu/Al

52 mm Ø



Part No.	Cutting range	Length	Weight
<b>K1062</b>	max 52 mm Ø	280 mm	0.74 kg

### K 150

Hand operated cutting tool for Cu and Al cables up to 50 mm Ø

- High performance because of specially designed flat blades
- Also for fine stranded conductors e.g. VDE 0295 Class 5
- Two hand operation, excellent leverage

Cu/Al

50 mm Ø



Part No.	Cutting range	Length	Weight
<b>K150</b>	max 50 mm Ø	710 mm	3.0 kg

### K 101/1

Hand operated cutting tool for Cu and Al cables up to 26 mm Ø

- With interchangeable cutting heads
- Also for fine stranded conductors e.g. VDE 0295 Class 5
- Two hand operation, excellent leverage

Cu/Al

26 mm Ø



Part No.	Cutting range	Length	Weight
<b>K1011</b>	max 26 mm Ø	570 mm	1.8 kg

### K 101/2

Hand operated cutting tool for Cu and Al cables up to 38 mm Ø

- With interchangeable cutting head
- Also for fine stranded conductors e.g. VDE 0295 Class 5
- Two hand operation, telescopic lever handles

Cu/Al

38 mm Ø



Part No.	Cutting range	Length	Weight
<b>K1012</b>	max 38 mm Ø	930 mm	4.2 kg

## Hand-operated hydraulic crimping and cutting tools

### HK 60/22

Hand-operated crimping tool 6 - 300 mm<sup>2</sup>

- Slim crimping head - ideal when space is critical
- For interchangeable dies, series 22, narrow crimping
- Crimping head rotates 360°, flip top style
- Two stage hydraulics
- Automatic retraction when crimp is complete
- Manual retraction in case of need

Part No.	Crimping force	Crimping range	Stroke	Length	Weight
<b>HK6022</b>	60 kN	6 - 300 mm <sup>2</sup>	17 mm	460 mm	3.3 kg

Please ask for dies series 22.

Scope of supply	Part No.
Steel carrying case	MK6022

**22**  
Klauke

300 mm<sup>2</sup>



Accessories:	Part No.
Digital meter for force and pressure measurement	TC1U
Measuring adapter series 22	MA22
Force sensor 70 kN	TF70L

### HK 120/42

Hand-operated crimping tool 16 - 400 mm<sup>2</sup>

- For interchangeable dies, series 13, wide crimping
- C-shape crimping head, rotates 360°
- Two stage hydraulics
- Automatic retraction when crimp is complete
- Manual retraction in case of need

Part No.	Crimping force	Crimping range	Stroke	Length	Weight
<b>HK12042</b>	120 kN	16 - 400 mm <sup>2</sup>	42 mm	560 mm	5.9 kg

Please ask for dies series 13.

Scope of supply	Part No.
Steel carrying case	MK12042

**13**  
Klauke

400 mm<sup>2</sup>



Accessories:	Part No.
Digital meter for force and pressure measurement	TC1U
Measuring adapter series 13	MA120
Force sensor 130 kN	TF130L

### HSG 55

Hand-operated hydraulic cutting tool max. cable size 55 mm Ø

- Close cutting head with bolt interlock, rotates 360°, flip top style
- Two stage hydraulics
- Automatic retraction when cut is complete
- Manual retraction in case of need

Part No.	Cutting force	Cutting range	Length	Weight
<b>HSG55</b>	120 kN	max. 55 mm Ø	605 mm	7.3 kg

Scope of supply	Part No.
Steel carrying case	MK55

**Cu/Al**  
**Al/St**

55 mm Ø



Accessories:	Part No.
Outer, stationary blade	ESG55EF
Inner, moving blade	ESG55ES

### HSG 85/2

Hand-operated hydraulic cutting tool max. cable size 85 mm Ø

- Close cutting head with bolt interlock, rotates 360°, flip top style
- Two stage hydraulics
- Automatic retraction when cut is complete
- Manual retraction in case of need

Part No.	Cutting force	Cutting range	Length	Weight
<b>HSG85</b>	60 kN	max. 85 mm Ø	677 mm	5.9 kg

Scope of supply	Part No.
Steel carrying case	MK85

**Cu/Al**

85 mm Ø



Accessories:	Part No.
Outer, stationary blade	ESG85EF1
Inner, moving blade	ESG85ES1

## Battery powered crimping tools

### EK 35/4

Battery powered crimping tool 6 - 150 mm<sup>2</sup>

- Slim crimping head - ideal when space is critical
- For interchangeable dies, series 4, narrow crimping
- Crimping head rotates 345°, flip top style
- Automatic retraction when crimp is complete
- Manual retraction in case of need
- Quick motor stop
- Light diode for battery charge and maintenance control

Part No.	Crimping force	Crimping range mm <sup>2</sup>	Stroke	Crimping cycle	Weight
<b>EK354</b>	35 kN	6 - 150	9 mm	approx. 4 s	1.7 kg

Please ask for dies series 4.

Scope of supply	Part No.
Battery 9.6 V / 2.0 Ah NiMH	RAM2
Charger for NiCd and NiMH batteries 230 V mains operated	LG4F
Plastic case 450 x 370 x 105 mm	KK35B2

**4**  
Klauke  
150 mm<sup>2</sup>



Accessories:	Part No.
Battery 9.6 V / 3.0 Ah NiMH	RAM3
USB-Adapter	PGA1
Digital meter for force and pressure measurement	TC1U
Measuring adapter series 4	MA4
Force sensor 70 kN	TF70L
Quick charger for NiCd and NiMH batteries 230 V	LG5

### EKM 60 ID-L

Battery powered crimping tool 10 - 240 mm<sup>2</sup>

- With innovative two-stage telescopic cylinder
- Indent crimping, no dies required
- Extra large crimping range for copper and aluminium conductors
- Compact and lightweight tool
- Automatic retraction in case of need
- Manual retract stop with „teach-in“ (MRS+) for positioning control in case of multiple crimpings

Part No.	Crimping force	Crimping range mm <sup>2</sup>	Stroke	Crimping cycle	Weight
<b>EKM60IDL</b>	30-60 kN	10-240	35.5 mm	2s up to 7s	2.5 kg

Scope of supply	Part No.
Battery 18 V / 1.3 Ah Li-Ion (23.4 Wh)	RAL1
Quick charger for 18 V Li-Ion-Batteries	LGL1
LBOXX (W/D/H 442 x 357 x 151 mm)	LBOXX136LFG

**Cu/Al**  
240mm<sup>2</sup>



Accessories:	Part No.
Mains adapter for 230 V	NG2230
Battery 18 V / 3.0 Ah, Li-Ion (54 Wh)	RAL2
USB Adapter	PGA1

### EK 60/22-L

Battery powered crimping tool 6 - 300 mm<sup>2</sup>

- Slim crimping head - ideal when space is critical
- For interchangeable dies, series 22, narrow crimping
- Crimping head rotates 360°, flip top style
- Automatic retraction when crimp is complete
- Manual retraction in case of need
- High performance 18 V Lithium-Ion battery offering 50% higher capacity and extremely short charging times

Part No.	Crimping force	Crimping range mm <sup>2</sup>	Stroke	Crimping cycle	Weight
<b>EK6022L</b>	60 kN	6 - 300	17 mm	approx. 4 s	4.2 kg

Please ask for dies series 22.

Scope of supply	Part No.
Battery 18 V / 3.0 Ah Li-Ion	RAL2
Charger for Li-Ion batteries, 230 V main operated	LGL1
Plastic case	KK120L

**22**  
Klauke  
300 mm<sup>2</sup>



Accessories:	Part No.
Mains adapter 18 V, 230 V mains operated	NG2230
USB-Adapter	PGA1
Digital meter for force and pressure measurement	TC1U
Measuring adapter series 22	MA22
Force sensor 70 kN	TF70L

## Battery powered crimping and cutting tools

### EK 120/42-L

Battery powered crimping tool 16 - 400 mm<sup>2</sup>

- C-head with 42 mm opening width
- For interchangeable dies, series 13, wide crimping
- Wide crimps mean 60% less crimps
- Easy handling by optimized position of centre of gravity
- Intelligent Pressing System "IPS"
- Automatic retraction stop (ARS)

Part No.	Crimping force	Crimping range mm <sup>2</sup>	Stroke	Crimping cycle	Weight
<b>EK12042L</b>	120 kN	16 - 400	42 mm	approx. 8 s	6.8 kg

Please ask for dies series 13.

Scope of supply	Part No.
Battery 18 V / 3.0 Ah Li-Ion	RAL2
Charger for 18V Li-Ion Batteries	LGL1
Plastic case	KK120L

**13**  
Klauke

400 mm<sup>2</sup>



Accessories:	Part No.
Mains adapter 18 V, 230 V mains operated	NG2230
USB-Adapter	PGA1
Digital meter for force and pressure measurement	TC1U
Measuring adapter series 13	MA120
Force sensor 130 kN	TF130L

### ESG 55-L

Battery powered cutting tool 55 mm Ø

- Cuts armoured copper and aluminium cables and Al/St cables (ACSR)
- High performance, 18 V/3.0 Ah Li-Ion battery
- Closed cutting head with bolt interlock, rotates, flip top style
- Analysis of data via optical interface and USB adapter
- Manual retraction stop (MRS)

Part No.	Cutting force	Cutting range	Cutting cycle	Weight
<b>ESG55L</b>	120 kN	55 mm Ø	depending on cable type	8.0 kg

Scope of supply	Part No.
Battery 18 V / 3.0 Ah Li-Ion	RAL2
Quick charger for 18 V Li-Ion batteries	LGL1
Plastic case	KK120L

Cu/Al  
Al/St

55 mm Ø



Accessories:	Part No.
Outer, stationary blade	ESG55EF
Inner, moving blade	ESG55ES
Mains adapter 18 V, 230 V mains operated	NG2230
USB-Adapter	PGA1

### ESG 105-L

Battery powered cutting tool 105 mm Ø

- Cuts armoured copper and aluminium cables
- Large cutting range
- Closed cutting head with bolt interlock, rotates, flip top style
- Powerful motor for fast pressing cycles and efficient work
- Manual retraction stop (MRS)

Part No.	Cutting force	Cutting range	Cutting cycle	Weight
<b>ESG105L</b>	74 kN	105 mm Ø	depending on cable	4.2 kg

Scope of supply	Part No.
Battery 18 V / 3.0 Ah Li-Ion	RAL2
Quick charger for 18 V Li-Ion batteries	LGL1
Plastic case	MK105L

Cu/Al

105 mm Ø



Accessories:	Part No.
Outer, stationary blade	ESG105EF
Inner, moving blade	ESG105ES
Mains adapter 18 V, 230 V mains operated	NG2230
USB-Adapter	PGA1

## Hydraulic cutting head and crimping and cutting tools with foot pump

### SDG 105

Hydraulic cutting head max. 105 mm Ø

- Cuts light steel armoured copper and aluminium cables (depending on type of cable)
- Extreme light and short design
- Remarkable low weight for tools of this capacity and size range
- Closed and rotating cutting head with quick action coupling

Cu/Al

105 mm Ø



Part No.	Cutting force	Cutting range	Cutting cycle	Weight
<b>SDG105</b>	120 kN	max. 105 mm Ø	depending on cable	7.7 kg

Scope of supply	Part No.
Carrying bag	TT2

Accessories:	Part No.
Outer, stationary blade	ESG105EF
Inner, moving blade	ESG105ES

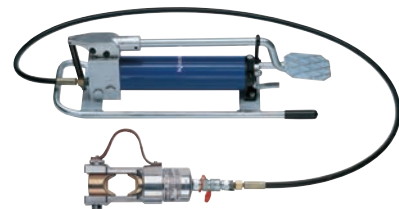
### HK 25/2 SET HL

Hydraulic crimping tool with foot pump 16 - 630 mm<sup>2</sup>

- For interchangeable dies series 25 acc. to DIN 48083, part 3
- Hydraulic system with 250 kN crimping force
- Foot pump with two-stage hydraulics
- Crimping head H-type with quick coupling, rotating
- Manual retraction in case of need, even at high pressure

**25**  
Klauke

630 mm<sup>2</sup>



Part No.	Crimping force	Crimping range mm <sup>2</sup>	Operating pressure	Weight
<b>HK252SETHL*</b>	250 kN	16 - 630	max. 700 bar	48 kg

\* Complete with HL dies from 16-630 mm<sup>2</sup> (HL2516 - HL25630) !

Scope of supply	Part No.
High pressure hose, 2 m	HS22
Steel carrying case	MK202NW
Hydraulic crimping head PK 25/2, 16 - 630 mm <sup>2</sup>	PK252
Foot pump 700 bar	FHP2

### AS 105 FHP / AS 120 FHP

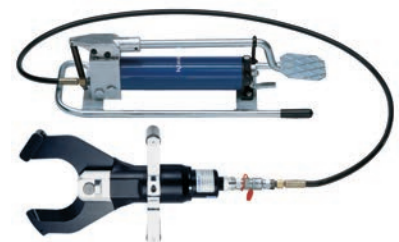
Hydraulic cutting tool with foot pump 105 mm Ø / 120 mm Ø

- Cuts light steel armoured copper and aluminium cables (depending on type of cable)
- Foot pump with two-stage hydraulic system
- Cutting head with quick coupling, rotating
- Manual retraction in case of need, even at high pressure

Cu/Al

105 mm Ø

120 mm Ø



(Figure = AS105FHP)

Part No.	Cutting force	Cutting range max.	Operating pressure	Weight
<b>AS105FHP</b>	74 kN	105 mm Ø	max. 700 bar	19.7 kg
<b>AS120FHP</b>	55 kN	120 mm Ø	max. 700 bar	20.7 kg

Scope of supply	Part No.
High pressure hose, 2 m	HS22
Steel carrying case	MKU
Hydraulic cutting head SDK 105 for AS105FHP	SDK105
Hydraulic cutting head SDK 120 for AS120FHP	SDK120
Foot pump 700 bar	FHP2



## Drive unit for crimping, cutting and punching operations

### AHP 700-L

Battery powered hydraulic drive unit with 700 bar

- Programme switching for crimping, cutting and punching operations
- Shock proof housing made of fibreglass reinforced Polyamid
- Large display serves monitoring operations with pressure reading, diagnosis and adjustment of the pump
- Powerful motor for maximum operating speed
- Manual retract in case of need
- Manual retract stop with „teach in“ (MRS+)
- Remote control with cable for easy operation the drive unit
- Integrated pocket for storage of remote control
- LED for maintenance control, charge level indicator of batteries and for data transmission via USB adapter
- Environmentally friendly hydraulic oil, quickly biodegradable
- All high pressure hoses are supplied with coupling plug and coupling sleeve, filled with oil
- Shoulder belt with cushion for optimum wearing comfort



Technical data	
Operating pressure:	max. 700 bar
Oil volume:	approx. 800 ml
Flow rate low pressure range:	up to 0.9 l/min
Flow rate high pressure range:	0.3 l/min
Battery voltage:	18 V
Battery capacity:	3.0 Ah, Li-Ion
Charging time:	22 min.
Weight with two batteries:	approx. 6.4 kg
Type of protection:	IP 43
Ambient temperature:	-12°C up to +40°C
Dimension (L x W x H):	330 x 160 x 280 mm



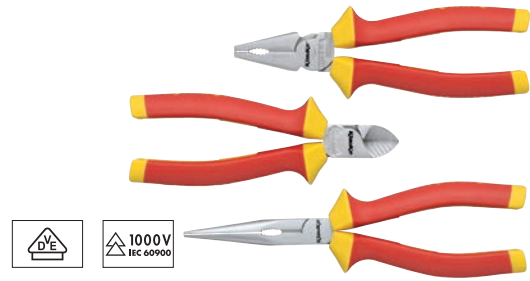
Item	Part No.
Hydraulic drive unit with Ceijn coupling	AHP700L
Scope of supply	Part No.
2 Batteries 18 V / 3.0 Ah, Li-ion (54 Wh)	RAL2
Quick charger for 18 V Li-Ion-batteries	LGL1
High pressure hose, 2 m, filled with oil	HSOEL2
Adjustable shoulder belt with cushion	TG3
Carrying bag for batteries and charger	TT2
Remote control with 1.5 m cable	HTA4

Accessories	Part No.
High pressure hose, 3 m, filled with oil	HSOEL3
High pressure hose, 4 m, filled with oil	HSOEL4
High pressure hose, 5 m, filled with oil	HSOEL5
High pressure hose, 6 m, filled with oil	HSOEL6
High pressure hose, 8 m, filled with oil	HSOEL8
High pressure hose, 10 m, filled with oil	HSOEL10
18 V mains adapter for 230 V	NG2230
USB adapter	PGA1
Digital meter for force and pressure measurement	TC1U
Two-hand safety control	ZST4
Foot switch	FTA4
Pressure sensor 1000 bar	TP1000

VDE tools

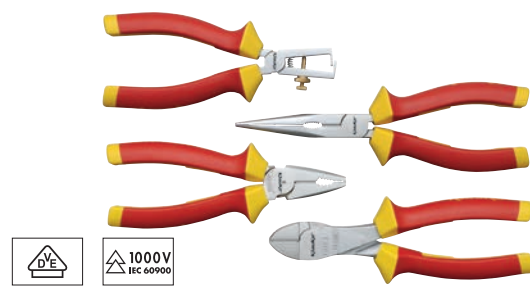
■ VDE Plier set, 3-pce.

Item	Part No.
VDE Plier set, 3-pce.	<b>KL303IS</b>
Scope of supply	Part No.
Heavy-duty combination plier	KL020180IS
Side cutters	KL040160IS
Long nose pliers	KL050205IS



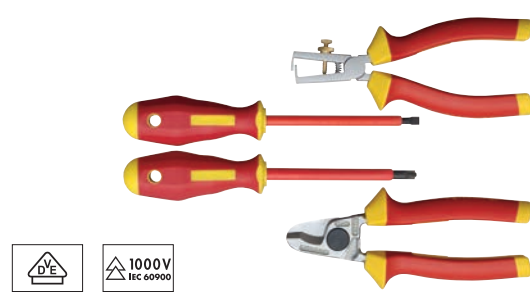
■ VDE Plier set, 4-pce.

Item	Part No.
VDE Plier set, 4-pce.	<b>KL304IS</b>
Scope of supply	Part No.
Heavy-duty combination plier	KL020180IS
Side cutters	KL040160IS
Long nose pliers	KL050205IS
Wire stripper	KL060160IS



■ VDE Plier set, 4-pce.

Item	Part No.
VDE Plier set, 4-pce.	<b>KL305IS</b>
Scope of supply	Part No.
Cable cutters	KL010160IS
Wire stripper	KL060160IS
VDE Screwdrivers for slotted screws	KL10010035IS
VDE Screwdrivers for plus/minus screws	KL130PM1IS



■ VDE Set, 6-pce.

Item	Part No.
VDE Plier set, 6-pce.	<b>KL306IS</b>
Scope of supply	Part No.
Long nose pliers	KL050205IS
Side cutters	KL040160IS
VDE Screwdrivers for cross-slotted screws (Phillips)	KL110PH1IS
VDE Screwdrivers for cross-slotted screws (Phillips)	KL110PH2IS
VDE Screwdrivers for slotted screws	KL1007525IS
VDE Screwdrivers for slotted screws	KL10010040IS



■ VDE Screwdriver set, 3-pce.

Item	Part No.
VDE Screwdriver set, 3-pce.	<b>KL391IS</b>
Scope of supply	Part No.
VDE Screwdrivers for cross-slotted screws (Phillips)	KL110PH1IS
VDE Screwdrivers for cross-slotted screws (Phillips)	KL110PH2IS
VDE Screwdrivers for slotted screws	KL10010035IS



E-Smart-Box / Tool bag

■ **Klauke E-smart box 12-pce.**

- 10 VDE interchangeable blades for all applications incl. contactless voltage tester
- Secure grip of blades in the handle by automatic locking to prevent unintentional withdrawal
- Snap-on rotating cap and soft coating zone for use as a precision tool
- Blades can be re-ordered individually



Item	Part No.	Packing unit/ pcs
Klauke E-smart box 12-pce.	<b>KL301IS</b>	1
Scope of supply		Part No.
GT12-A Contactless voltage detector		52063422
Blade for slotted screws 2.5 x 0.4 mm		KLE300IS1
Blade for slotted screws 3.5 x 0.6 mm		KLE300IS3
Blade for slotted screws 4.0 x 0.8 mm		KLE300IS4
Blade for slotted screws 5.5 x 1.0 mm		KLE300IS5
Blade Phillips PH1		KLE300IS6
Blade Phillips PH2		KLE300IS7
Blade Pozidriv PZ2		KLE300IS8
Blade Plus/minus Z1		KLE300IS13
Blade Plus/minus Z2		KLE300IS14
Blade Torx TX20		KLE300IS11
E-Smart Handle 93x32 mm		KLE300IS12
Rotating cap		KLE300IS15

■ **Engineers professional tool-bag, 15 pce.**

- Engineers bag for notebooks and tools with high quality zip fasteners
- Material: heavy duty nylon, splash-proof base
- 90° folding pocket
- Two large side pockets with Velcro type fastener
- Adjustable carrying belt with quick fastener and shoulder support
- Double fixed carrying handle
- High quality pocket for business cards
- Additional strap for fixation during transport



Item	Part No.	Weight g	Packing unit/ pcs
Engineers professional tool-bag, 15 pce.	<b>KL905B15</b>	4000	1
Scope of supply		Part No.	
VDE Screwdrivers for plus/minus screws		KL130PM1IS	
VDE Screwdrivers for plus/minus screws		KL130PM2IS	
VDE Phillips screwdriver, PH1		KL110PH1IS	
VDE Phillips screwdriver, PH2		KL110PH2IS	
VDE Slotted screwdriver, 2.5 x 0.4 mm		KL1007525IS	
VDE Slotted screwdriver, 4.0 x 0.8 mm		KL10010040IS	
VDE Slotted screwdriver, 5.5 x 1.0 mm		KL10012555IS	
Phase tester with heavy duty handle, one-pin, VDE 0680 150V - 250V		KL19073IS	
VDE Power side cutter 200 mm		KL045200IS	
Electricians knife with hooked blade		KL745HK	

Scope of supply	Part No.
Round cable stripper	KL710
VDE Telephone plier, straight	KL050205IS
VDE Combination plier	KL020165IS
Measuring tape	KL403
Engineers combination bag	KL905L

[www.nissad.com](http://www.nissad.com)

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