







KlauKe micro



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a strong **team** for systematic **connections.**



Expertise ____

Recognised worldwide as leading suppliers of connecting material, crimping and cutting tools for electrical, plumbing and heating systems.

Innovation

Our Innovation and Service Center is located at our headquarters in Remscheid. This is where - since 1879 - new solutions have emerged from the discourse between the users and our experts.

Presence

In over 70 countries, our distributors ensure widespread, service-oriented support - **close to the customer at all times.**

Responsibility _____

Certified to the international standard ISO 14001:2004, we create innovative new products with the utmost respect for conservation – **future-oriented for a better environment.**

Quality Assurance _____

We offer the crafts, trade and industry perfectly coordinated products and services - **innovative and application-oriented**.



Electrical connection systems, crimping, cutting and hand tools



Punching and processing tools, cable pulling technology, testing, measuring and inspection equipment

for every connection

Our distribution service:

■ Klauke always close by

alternatives!





- Tubular cable lugs and connectors, blue connection® Cu
- Copper tubular cable lugs and connectors Cu
- Tubular cable lugs and connectors nickel, stainless steel
- Copper compression cable lugs and connectors to DIN
- Terminals, connectors and pin terminals to DIN Cu
- Sleeves for compacted conductors and sector-shaped conductors - Cu
- Aluminum compression cable lugs and connectors to DIN
- Aluminum/copper compression cable lugs and connectors
- Clamps and screw connectors
- Cable end-sleeves
- Cable connections, insulated and non insulated
- Assortments

22

For reliable connections worldwide



Crimping and cutting tools

■ Trading partners have our full support

218

- Mechanical crimping and cutting tools
- Electric and pneumatic crimping tools
- Hand-operated hydraulic crimping and cutting tools

■ At Klauke we have always been committed to the future Our recipe for success: Klauke quality for global markets Solutions for the requirements of today and tomorrow Electrical conductors are the life line of the modern world

We are consistently better than the standards demand

■ Environmental protection and sustainability – for us the only

■ The correct connector for every application and the matching tool

■ Tools need service and users need advice - we offer both and more

- Battery powered crimping and cutting tools Hydraulic universal tools and heads
- Hydraulic crimping and cutting heads
- Hydraulic drive units
- Hvdraulic systems
- Accessories for hydraulic tools
- Force and pressure gauge systems

Crimping dies

- Series 50
- Series 4
- Series 5 ■ Series 18
- Series 22
- Series 13
- Series 25
- Series 45



Hand tools

456

- VDE tools
- Standard tools
- Wire stripping tools ■ Stripping tools
- Stripping tools for communication technology

Holemaking tools

526

410

- Round and special shape punches
 - Punching tools and sets
 - Hole saws
 - Bits and step bits



Processing tools

582

- Special cutting tools
- Machining tools for bus bars
- Pumps and pump accessories



Cable pulling technology

594

- Fish tapes/pulling rods
- Cable pulling systems
- Cable puller
- Pulling grips
- Accessories



Testing and measuring instruments

614

- Voltage testers
 - Digital multimeter
 - Clamp meters
 - VDE Testing instruments
 - Temperature gauges
- Cable and conductor identifiers Network, measuring devices and
 - testers



Technical Appendix

j-1

- Notes on the various crimping profiles
- Legend of pictograms used
- Conversion charts
- Standards, changes, improvements
- Service check list as master copy
- Order form as master copy
- Alphabetical Index
- Alphanumerical Index























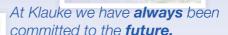














In 1879 Gustav Klauke founded our company. Over time the markets changed, new technologies were developed and later replaced. Klauke constantly evolved and grew with innovative solutions that reflected the new demands of our customers.



10,000 solutions for the trade user

All over the world, Klauke is renowned for its high-quality electrical connection systems and tools for crimping, cutting and punching. By offering special solutions for the connection systems and the tools industry we meet the requirements in the most diverse industries. In total our product range comprises more than 10,000 products for trade, industry and also the growth markets of renewable energies and modern infrastructure.

Since 1996 Klauke belongs to the Greenlee Division of the Textron Group. With the focus on hole punching and cable pulling technology, Greenlee perfectly complements our own areas of competence.



The close cooperation with a Group of 32,000 employees has generated important development impetus for both our customers and ourselves. As an example, we combine the virtues of a German medium-sized company with the strengths and global presence of a large corporation. This enables us to continuously optimise our processes and product quality, to remain a technological leader and to operate in future markets. Developing the future has always been our primary objective.





For more than 130 years now, "Made in Germany" has been a certificate of origin, a claim to quality and the key to the success of our products. Klauke's long and successful history began with pliers production at our headquarters in Remscheid. From that acorn we have continued to grow. We are now an international organisation. All over the world, "Made by Klauke" is synonymous with outstanding quality products. Of that we are proud.

Worldwide presence with local solutions

Currently, more than 800 employees develop, produce and distribute the Klauke range from ten locations in Europe and Asia-Pacific and via Greenlee in North and South America. Backed by a global distribution network and Authorised Service Centers in over 50 countries, we are close to our customers and their needs throughout the world. Allowing us to create local solutions for regional markets and their special requirements.

Made by Klauke stands for quality and proximity to local markets worldwide."

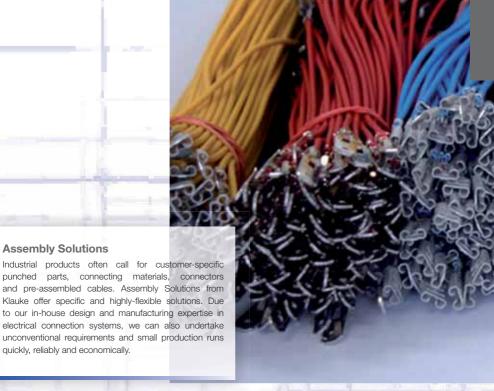
> Jörg Sokat Marketing Manager











Requirement

quickly, reliably and economically.

Assembly Solutions

Customized Tools

Our battery hydraulic crimping tools are market leaders for solder free connections solutions. Furthermore Klauke's professional crimping and cutting tools provide the technological basis for customer specific solutions in many fields. In close collaboration with our customers, our tool experts develop innovative prototypes that eventually lead to production stage and then manufacturing.











All Klauke solutions combine innovative capacity, technological expertise and close dialogue with users. They keep us in touch with the latest trends and our markets. Here are a few examples:

- The new blue connection system makes the connection of compacted conductors simpler, safer and more efficient than ever before. The special cable lugs and precisely-matching crimping dies for Klauke tools pay testimony to our system expertise.
- We rely on technologies that make our tools especially user-friendly, powerful and safe. For example, our tools feature ARS, the automatic retract stop, Li-lon high-performance batteries and a lightweight, resilient steel/aluminum hybrid construction.
- We developed the LS 50-L Flex as a battery powered hydraulic punching tool specifically for working in constricted spaces. It combines an aluminum head that rotates through 360° with an especially narrow and compact design. Weighing just two kilos, it is also one of the lightest battery powered hydraulic tools around. The Li-Ion technology, which is compatible with all Klauke tools, provides the energy source. The LS 50-L Flex shows what we value most: Innovations for the user made in Germany, made by Klauke.













Tools need **service** and users need **advice** – we offer both and more.

In workaday life, Klauke crimping and cutting tools are exposed to hot and cold temperatures and fouling from the harsh conditions prevailing on construction sites. Sometimes it rains, sometimes the sun burns down and dust is often widespread - a durability test for our tools. As with all high-tech solutions, they must therefore be inspected on a regular basis and serviced from time to time.

Worldwide service you can rely on

With an unbeatable technical maintenance and repair service, our company Service Centers along with Authorised Service Centers (ASC) ensure that Klauke tools retain their full functionality and guarantee reliable connections. Services range from regular tool inspection to service and repair work through to the free tool Hotline and an equipment hire facility.

Furthermore: Our mobile service van can be deployed for site operations upon request!



- Worldwide repair and maintenance service through over 50 authorised Service Centers (Klauke ASC).
- Complete maintenance service with annual inspection and work at fixed prices.
- Free Hotline for all questions about the tool service in Germany.
- Fast, uncomplicated equipment hire service for all standard tools.
- Mobile service van for site operations.





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Our distribution service:

- Product presentations and expert advice on-site by our field service team.
- The Klauke demonstration van on the road for our customers.
- Internal and external training courses and workshops for users.
- Information and advice at all important national and international trade fairs.
- Swift technical support from our experts for special applications.
- Upon request, we test your electrical connections and compile test reports.



We are **consistently better** than the standards demand.

Klauke products are used in environments that have to meet tough safety requirements. That's why their reliability and quality is of the utmost importance. For us, simply meeting the requirements of a standard is not enough. In terms of safety, ease-of-use and robustness, all Klauke products comply with the highest specifications and perform in excess of the standards required.

Quality starts with the process

Our internal processes provide the foundation required. Our focus on lean management principles increases efficiency, responsibility and personal commitment - from management to development to production and sales.

Klauke undergoes regular internal and external audits in order to safeguard the quality of our products and processes.

Our certifications

In terms of quality management, we are certified to ISO 9001:2008 and specifically for the automotive industry to ISO/TS 16494:2009. Klauke's environmental management system complies with the requirements of ISO 14001:2004.

These certifications guarantee that our customers can rely on their Klauke products and services at all times.





Environmental issues are extremely important to us. And a question of entrepreneurial responsibility. That's why Klauke is involved in the "Ökoprofit" (Ecoprofit) project of the Bergisch City Triangle, and is today certified to ISO 14001:2004.

Our goal: Continuous improvement

This international standard defines world-recognised standards for environmental management systems. It focuses on a continuous improvement process for environmental performance.

The result for us is clearly defined goals: Avoiding waste and errors, enhancing efficiency and minimising energy consumption in every production phase. Because we want to keep raw materials, fossil fuels and our environment for the next generations.

Employing resources correctly

Resource management is of course also important: In the procurement of material and components, we attach importance to top quality materials and components. To guarantee this, we work only with certified suppliers. This, coupled with our strict quality management principle, ensures our procurement, production and service standards are sustainably maintained.



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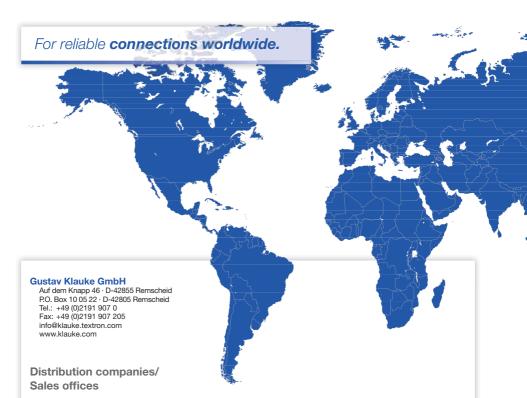
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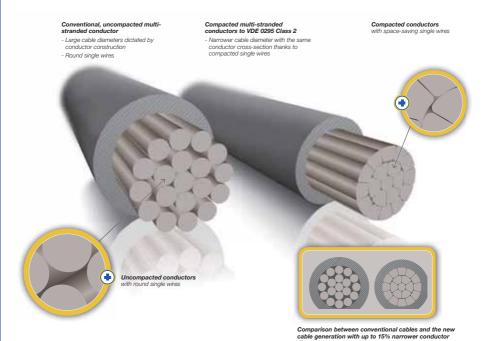
blue connection®

Simple. Safe. Efficient.

blue connection® – because modern cables have narrower diameters

Modern compacted multi-stranded conductors are up to 15 percent thinner than comparable predecessors. At the same time, savings are often made on sheathing and insulation. Here, conventional tubular cable lugs and connectors usually have too much play - a considerable safety risk which has to date necessitated additional sleeves for compacted conductors.

Klauke has developed blue connection®, a special connection system for compacted multi-stranded conductors to VDE 0295 Class 2. Its copper tubular cable lugs and connectors are an exact fit for the new, thinner generation of conductors without any additional sleeves whatsoever. In combination with custom-made blue connection® crimping dies for Klauke's established tools, compacted conductors will in future also be crimped extremely simply, safely and efficiently.





conductor's position

IEC

Cable lug with blue crimp info + blue crimping die + blue crimping tool = blue connection

■ Simply assign and crimp.

- Perfect fit on compacted conductors to VDE 0295 Class 2.
- ▶ Simple assignment of crimping tool/crimping die through colour-coding system.
- Existing tools with replaceable crimping dies can continue to be used with blue connection® products.

Benefits:

- Crimping of compacted conductors without additional sleeves.
- No investment in new tools, only the crimping dies are replaced.



New designation – Safely connected.

- Designated by manufacturer's designation, nominal cross-section and hole dimension.
- Crimping direction and number of crimps.
- Compact design with form radius.
- Tested to IEC 61238, part 1.

Benefits:

- All information available at a glance.
- Bad crimps are avoided.
- ▶ Highly-stable and vibration-proof.

■ Efficient: High productivity, low costs

- New crimp geometries reduce the number of crimps.
- ▶ The processing of sleeves for compacted conductors is eliminated.
- ▶ Up to 35% less material used thanks to the compact design.
- Smaller packing units.

New blue crimp info shows the number of crimps and crimping direction

Renefits:

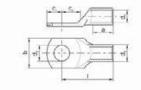
- Less time and lower cost expenditure when using the new cable lug system.
- ▶ Processing of sleeves for compacted conductors is eliminated.
- Lower material costs.
- ▶ Reducing storage costs through reduced material usage.





Tubular cable lugs, blue connection®, Cu







- ▶ For compacted multi-stranded conductors to VDE 0295 Class 2
- Accurate assignment of crimping tool/crimping die through colour-coding system
- Less crimpings due to max. crimping width
- ▶ Reduced costs due to compact dimensions

Characteristics

- Total cross-section: 6 400 mm²
- Rigid design thanks to special shaped radius
- Processing takes place without the use of additional sleeves
- Annealed material optimises material and crimping properties
- Flat contact surface and precise end machining for easy cable insertion

Material

■ Copper acc. to EN 13600

Surface

■ Tin-plated

Order info

- Also available with inspection hole, part number appendix "ms"
- 45° angle version also available, part number appendix "45"
- 90° angle version also available, part number appendix "90"
- Now also available in handy plastic boxes for smaller requirements, part number appendix "SB"

Nominal cross	Size of					Dimens	ion mm				Weight/	
section mm ²	bolt dia.	Part No.	d1	a	b	d2	d4	c1	c2	1	100 pcs. ~ kg	Packing unit/pcs
	M5	6B5	3.20	9.0	10.50	5.30	5.00	5.00	6.50	20.50	0.24	50
	M6	6B6	3.20	9.0	11.00	6.40	5.00	6.00	8.00	22.00	0.26	50*
6	M8	6B8	3.20	9.0	12.50	8.40	5.00	8.00	10.00	24.00	0.29	50*
	M10	6B10	3.20	9.00	14.00	10.50	5.00	10.00	11.50	25.50	0.30	50
	M5	10B5	4.20	9.00	11.50	5.30	6.20	5.00	6.50	21.00	0.35	50
10	M6	10B6	4.20	9.00	12.00	6.40	6.20	6.00	8.00	22.50	0.39	50*
10	M8	10B8	4.20	9.00	14.00	8.40	6.20	8.00	10.00	24.50	0.43	50*
	M10	10B10	4.20	9.00	15.00	10.50	6.20	10.00	11.50	26.00	0.44	50
	M6	16B6	5.50	10.0	13.50	6.40	7.70	6.00	8.00	25.00	0.61	50*
16	M8	16B8	5.50	10.0	15.00	8.40	7.70	8.00	10.00	27.00	0.65	50*
10	M10	16B10	5.50	10.00	16.50	10.50	7.70	10.00	11.50	28.00	0.69	50
	M12	16B12	5.50	10.00	18.50	13.00	7.70	12.00	13.00	29.50	0.72	50
	M6	25B6	6.60	10.0	15.00	6.40	9.00	6.00	8.00	25.50	0.81	25
25	M8	25B8	6.60	10.0	16.00	8.40	9.00	8.00	10.00	27.50	0.88	50*
23	M10	25B10	6.60	10.0	18.00	10.50	9.00	10.00	11.50	29.00	0.93	50*
	M12	25B12	6.60	10.0	19.50	13.00	9.00	12.00	13.00	30.50	0.97	25
	M8	35B8	7.70	11.0	18.00	8.40	10.60	8.00	10.00	29.50	1.34	50*
35	M10	35B10	7.70	11.0	19.50	10.50	10.60	10.00	11.50	31.00	1.42	50*
	M12	35B12	7.70	11.0	21.00	13.00	10.60	12.00	13.00	32.50	1.48	25
	M8	50B8	9.20	11.0	19.00	8.40	12.40	8.00	10.00	31.00	1.87	25*
50	M10	50B10	9.20	11.0	21.00	10.50	12.40	10.00	11.50	32.50	1.95	25*
	M12	50B12	9.20	11.0	23.00	13.00	12.40	12.00	13.00	34.00	2.05	25
	M8	70B8	11.00	21.0	22.00	8.40	14.60	8.00	10.00	41.50	3.17	25
70	M10	70B10	11.00	21.0	24.00	10.50	14.60	10.00	11.50	43.00	3.33	25*
70	M12	70B12	11.00	21.0	25.00	13.00	14.60	12.00	13.00	44.50	3.46	25*
	M16	70B16	11.00	21.0	28.00	17.00	14.60	15.00	17.00	48.50	3.73	10
	M10	95B10	13.00	21.0	26.00	10.50	17.00	10.00	11.50	44.50	4.55	25*
95	M12	95B12	13.00	21.0	28.00	13.00	17.00	12.00	13.00	46.00	4.75	25*
	M16	95B16	13.00	21.0	30.00	17.00	17.00	15.00	17.00	50.00	5.01	10



Tubular cable lugs, blue connection®, Cu

Nominal	Size of					Dimens	sion mm				Mainht/	
cross section mm²	bolt dia.	Part No.	d1	a	b	d2	d4	c1	c2	ı	Weight/ 100 pcs. ~ kg	Packing unit/pcs
	M10	120B10	14.50	22.0	28.00	10.50	19.00	10.00	11.50	47.00	6.02	25*
120	M12	120B12	14.50	22.0	29.50	13.00	19.00	12.00	13.00	48.50	6.26	25*
	M16	120B16	14.50	22.0	32.00	17.00	19.00	15.00	17.00	52.50	6.73	10
	M10	150B10	16.20	22.0	30.00	10.50	21.00	10.00	11.50	48.50	7.41	10
450	M12	150B12	16.20	22.0	32.00	13.00	21.00	12.00	13.00	50.00	7.71	10
150	M16	150B16	16.20	22.0	34.00	17.00	21.00	15.00	17.00	54.00	8.25	10
	M20	150B20	16.20	22.0	36.50	21.00	21.00	18.50	21.00	58.00	8.84	10
	M10	185B10	18.00	24.0	33.00	10.50	23.00	10.00	11.50	52.00	9.21	10
185	M12	185B12	18.00	24.0	33.00	13.00	23.00	12.00	13.00	53.50	9.43	10
185	M16	185B16	18.00	24.0	36.00	17.00	23.00	15.00	17.00	57.70	10.14	10
	M20	185B20	18.00	24.0	38.50	21.00	23.00	18.50	21.00	61.50	10.90	10
	M12	240B12	20.60	24.0	38.00	13.00	26.00	12.00	13.00	56.00	12.46	10
240	M16	240B16	20.60	24.0	38.00	17.00	26.00	15.00	17.00	60.00	13.24	10
	M20	240B20	20.60	24.0	41.00	21.00	26.00	18.50	21.00	64.00	14.14	10
	M12	300B12	23.10	33.0	41.00	13.00	28.00	12.00	13.00	67.00	14.39	5
300	M16	300B16	23.10	33.0	41.00	17.00	28.00	15.00	17.00	71.00	15.27	5
	M20	300B20	23.10	33.0	41.00	21.00	28.00	18.50	21.00	75.00	16.2	5
400	M16	400B16	26.10	34.0	47.00	17.00	32.00	15.00	17.00	74.50	22.16	5
400	M20	400B20	26.10	34.0	47.00	21.00	32.00	18.50	21.00	78.50	23.36	5

^{▶ 10-300} mm² IEC tested

 $^{^{\}blacktriangleright} \quad {}^{\star} = \text{Also available in small handy packs}$

> Tools: see chart page 29



Butt connectors, blue connection®, Cu







- ▶ For compacted multi-stranded conductors to VDE 0295 Class 2
- Accurate assignment of crimping tool/crimping die through colour-coding system
- Less crimpings due to max. crimping width
- ▶ Reduced costs due to compact dimensions

Characteristics

- Total cross-section: 6 400 mm²
- Processing takes place without the use of additional sleeves
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion

Material

Copper acc. to EN 13600

Surface

■ Tin-plated

Order info

Now also available in handy plastic boxes for smaller requirements, part number appendix "SB"

Nominal cross section			Dimension mm		Weight/	
mm ²	Part No.	d1	d4	1	100 pcs. ~ kg	Packing unit/pcs
6	6B	3.20	5.00	25.00	0.255	50*
10	10B	4.20	6.20	25.00	0.360	50*
16	16B	5.50	7.70	27.00	0.543	50*
25	25B	6.60	9.00	27.00	0.699	50*
35	35B	7.70	10.60	28.00	1.026	50*
50	50B	9.20	12.40	28.00	1.334	25*
70	70B	11.00	14.60	48.00	3.065	25*
95	95B	13.00	17.00	48.00	3.987	25*
120	120B	14.50	19.00	50.00	5.157	25*
150	150B	16.20	21.00	52.00	6.379	10
185	185B	18.00	23.00	56.00	7.889	10
240	240B	20.60	26.00	58.00	10.000	10
300	300B	23.10	28.00	76.00	13.079	5
400	400B	26.10	32.00	78.00	18.453	5

^{▶ 10-300} mm² IEC tested

▶ Tools: see chart page 29

^{* =} Also available in small handy packs





■ Tool application chart

Tubular cable lugs and butt connectors blue connection®

	Crimpin	g tools			Tool	type				
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)
6-50	K05BC		•						\bigcirc	246
6-150	K354			•					\bigcirc	260
	EK354					•			\bigcirc	314
	EK354L					•			\bigcirc	316
6-240	HK60UNV	+UA5			•				\bigcirc	354
	EK505L					•			\bigcirc	318
	EKM60UNVL	+UA5				•			\bigcirc	356
	EK60UNVL	+UA5				•			\bigcirc	357
6-300	K22		•						\bigcirc	264
	HK6022				•				\bigcirc	288
	HK60UNV	+UA22			•				\bigcirc	354
	EK6022L					•			\bigcirc	324
	EKM6022L					•			\bigcirc	322
	EKM60UNVL					•			\bigcirc	356
	EK60UNVL					•			\bigcirc	357
	THK22						•		\bigcirc	364
	PK22							•	\bigcirc	364
	PK60UNV	+UA22						•	\bigcirc	355
10-120	K06BC		•						\bigcirc	249
16-400	HK12030				•				\bigcirc	292
	HK12042				•				\bigcirc	294
	HK120U				•				\bigcirc	296
	EK12030L					•			\bigcirc	330
	EK12042L					•			\bigcirc	332
	EK120UNVL					•			\bigcirc	358
	EK120UL					•			\bigcirc	334
	HK122EL380						•		\bigcirc	390
	PK12042							•	\bigcirc	368
	PK120U							•	\bigcirc	370
25-150	K09BC		•						\bigcirc	250



Safe connections to Klauke standards.



Copper tubular cable lugs and connectors for all applications.

Safe electrical connections are crucial. Power outages caused by faulty cable connections can cause severe damage. The power supply is interrupted. Production comes to a stand-still. Traffic is disrupted.

Tubular cable lugs and connectors from Klauke meet the highest quality requirements and satisfy international standards. Traditional applications are power supply, transportation, trade and industry, as well as building installation and railway technology.

We also develop and produce tailor made solutions.



- Distinct chamfer for easy entry of the conductor, burr-free edges.
- Consistent precision, high safety and rating properties thanks to high-quality pure electrolytic copper.
- Klauke coding system with manufacturer's identification, nominal cross-section and hole size.



Klauke tubular cable lugs are suitable for practically every application that uses copper conductors.



Make sure, when using Klauke connecting materials, that you always crimp towards the cable.

■ Connections with system for every application.













- Products to Klauke standards in various designs and shapes.
- To international standards such as IEC, UL, DNV and German Lloyd.
- Solutions for cables with compacted round conductors, cables with sector-shaped conductors and to suit individual requirements.
- Plus all corresponding manual and hydraulic crimping tools.



- The right products for every installation scenario.
- Highest flexibility for connecting cables.
- Standards-compliance permits international application.
- A single source for everything from cable lugs to tools.
- Guarantees the correct tools for professional electrical installation.







1. Basic

material

4. Annealing





3. Punching 2. Folding and pressing





■ Pure material, special processing.

- Klauke tubular cable lugs are made from quality E-Cu tubes. All suppliers are certified.
- Defined, unique material properties by annealing the cable lugs.

- Optimised conductivity, enhanced safety and high cable lug rating thanks to high quality material.
- The annealing of cable lugs during production sets Klauke products apart and guarantees outstanding installation properties, with minimised crimp force and less tool wear.

■ Hold even under strong and severe vibrations.

- ▶ Consistent material thickness, precise diameters and an accurate fit mean optimised processing and ultimate safety.
- Tested to DIN EN 61373 Class 1B "Railway applications".

- With professional installation of the correct types, optimised stability even with mechanically stressed or severely vibrating connections.
- Less repair and maintenance.
- > Safe connections even under high load, e.g. in public transport services.





Tubular cable lugs, Cu, standard type





- ▶ Cable lug for fine stranded conductors to VDE 0295 Class 5
- With inspection hole for monitoring the inserted cable



Characteristics



- Total cross-section: 0.75 6 mm²
- Annealed material optimises material and crimping properties
- Flat contact surface and precise end machining for easy cable insertion



Material

■ Copper acc. to EN 13600

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Order in

Now also available in handy plastic boxes for smaller requirements, part number appendix "SB"

Nominal	01 (Dimens	ion mm					
cross section mm ²	Size of bolt dia.	Part No.	d1	a	b	d2	d4	c1	c2	1	Weight/ 100 pcs. ~ kg	Packing unit/pcs
	M3	91R3	1.3	6	6.0	3.2	2.8	3.25	4.0	12	0.060	100*
0.75	M4	91R4	1.3	6	6.5	4.3	2.8	4.00	5.0	13	0.060	100
	M5	91R5	1.3	6	7.5	5.3	2.8	4.75	5.5	14	0.060	100
	M3	92R3	1.8	6	6.5	3.2	3.3	3.25	4.0	12	0.080	100
1.5	M4	92R4	1.8	6	6.5	4.3	3.3	4.00	5.0	13	0.080	100
1.5	M5	92R5	1.8	6	7.5	5.3	3.3	4.75	5.5	14	0.080	100*
	M6	92R6	1.8	6	9.0	6.5	3.3	6.50	6.5	16	0.090	100
	М3	93R3	2.3	6	7.5	3.2	4.2	3.25	4.0	12	0.120	100
	M4	93R4	2.3	6	7.5	4.3	4.2	4.00	5.0	13	0.120	100
2.5	M5	93R5	2.3	6	8.5	5.3	4.2	4.75	5.5	14	0.130	100*
	M6	93R6	2.3	6	9.5	6.5	4.2	6.50	6.5	16	0.150	100
	M8	93R8	2.3	6	13.0	8.5	4.2	7.75	9.5	20	0.180	100
	M4	94R4	3.0	8	8.5	4.3	5.0	4.75	5.5	18	0.210	100
4	M5	94R5	3.0	8	9.0	5.3	5.0	4.75	6.0	18	0.213	100*
4	M6	94R6	3.0	8	10.0	6.5	5.0	6.50	6.5	19	0.220	100
	M8	94R8	3.0	8	13.0	8.5	5.0	8.50	9.5	22	0.280	100
	M4	95R4	4.0	9	9.5	4.3	6.0	5.00	5.5	18	0.290	100
6	M5	95R5	4.0	9	9.5	5.3	6.0	6.00	6.0	19	0.300	100
U	M6	95R6	4.0	9	10.0	6.5	6.0	7.00	6.5	19	0.300	100
	M8	95R8	4.0	9	14.0	8.5	6.0	8.50	9.5	22	0.320	100

^{* =} Also available in small handy packs

[►] Tools: see chart page 55



Tubular cable lugs, Cu, fork type

- For fine stranded conductors
- Fork-type version for simple and direct screw mounting
- With inspection hole for monitoring the inserted cable

Characteristics

- Total cross-section: 0.75 16 mm²
- Annealed material optimises material and crimping properties
- Flat contact surface and precise end machining for easy cable insertion

■ Copper acc. to EN 13600

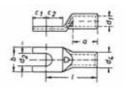
■ Tin-plated to protect against corrosion (other surfaces available upon request)











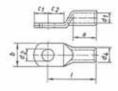
Nominal cross	Size of		Dimension mm								Weight/	
section mm ²	bolt dia.	Part No.	d1	a	b	d2	d4	c1	c2	1	100 pcs. ~ kg	Packing unit/pcs
	M3	91C3	1.3	6	6.0	3.2	2.8	3.25	4.0	12	0.06	100
0.75	M4	91C4	1.3	6	6.5	4.3	2.8	4.00	5.0	13	0.05	100
	M5	91C5	1.3	6	7.5	5.3	2.8	4.75	5.5	14	0.06	100
	M3	92C3	1.8	6	6.5	3.2	3.3	3.25	4.0	12	0.07	100
1.5	M4	92C4	1.8	6	6.5	4.3	3.3	4.00	5.0	13	0.07	100
1.5	M5	92C5	1.8	6	7.5	5.3	3.3	4.75	5.5	14	0.07	100
	M6	9206	1.8	6	9.0	6.5	3.3	6.50	6.5	16	0.08	100
	M3	93C3	2.3	6	7.5	3.2	4.2	3.25	4.0	12	0.12	100
2.5	M4	93C4	2.3	6	7.5	4.3	4.2	4.00	5.0	13	0.11	100
2.3	M5	93C5	2.3	6	8.5	5.3	4.2	4.75	5.5	14	0.12	100
	M6	93C6	2.3	6	9.5	6.5	4.2	6.50	6.5	16	0.10	100
	M4	94C4	3.0	8	8.5	4.3	5.0	4.75	5.5	17	0.19	100
4	M5	94C5	3.0	8	9.0	5.3	5.0	4.75	6.0	17	0.19	100
4	M6	94C6	3.0	8	10.0	6.5	5.0	6.50	6.5	19	0.21	100
	M8	94C8	3.0	8	13.0	8.5	5.0	8.50	9.5	22	0.24	100
	M4	95C4	4.0	9	9.5	4.3	6.0	5.00	5.5	18	0.27	100
6	M5	95C5	4.0	9	9.5	5.3	6.0	6.00	6.0	19	0.32	100
O	M6	95C6	4.0	9	10.0	6.5	6.0	7.00	6.5	19	0.27	100
	M8	95C8	4.0	9	14.0	8.5	6.0	8.50	9.0	22	0.31	100
	M5	96C5	4.5	10	12.0	5.5	7.0	6.50	7.5	22	0.45	100
10	M6	96C6	4.5	10	12.0	6.5	7.0	6.50	7.5	22	0.41	100
	M8	96C8	4.5	10	15.0	8.5	7.0	10.00	10.0	25	0.52	100
	M5	97C5	5.5	13	12.0	5.5	8.5	5.50	6.5	26	0.81	100
16	M6	97C6	5.5	13	12.0	6.5	8.5	6.25	7.5	27	0.81	100
	M8	97C8	5.5	13	15.0	8.5	8.5	8.50	9.5	29	0.90	100

[▶] Tools: see chart page 55



Tubular cable lugs, Cu, standard type







- Ideal cable lug for panel building
- ▶ For multi-stranded round shaped conductors e.g. VDE 0295 Class 2
- ▶ For pre-rounded multi-stranded sector shaped conductors

Characteristics



- Total cross-section: 6 400 mm²
- Annealed material optimises material and crimping properties
- Flat contact surface and precise end machining for easy cable insertion
- Item identification on cable lug
- Acc. to DIN EN 61373 class 1 B approved to vibration



Material

■ Copper acc. to EN 13600

Surface

Tin-plated to protect against corrosion (other surfaces available upon request)

. . .

- Also available with inspection hole, part number appendix "ms"
- Now also available in handy plastic boxes for smaller requirements, part number appendix "SB"

Nominal cross	Size of					Dimens	ion mm				Weight/	
section mm ²	bolt dia.	Part No.	d1	a	b	d2	d4	c1	c2	ı	100 pcs. ~ kg	Packing unit/pcs
	M5	1R5	3.5	9	10	5.5	6.5	6.50	7.5	21	0.50	100
-	M6	1R6	3.5	9	12	6.5	6.5	6.50	7.5	21	0.47	100*
6	M8	1R8	3.5	9	15	8.5	6.5	10.00	10.0	23	0.54	100
	M10	1R10	3.5	9	17	10.5	6.5	12.00	12.0	25	0.59	100
	M12	1R12	3.5	9	19	13.0	6.5	13.00	13.0	28	0.63	100
	M5	2R5	4.5	10	12	5.5	7.0	6.50	7.5	22	0.50	100
	M6	2R6	4.5	10	12	6.5	7.0	6.50	7.5	22	0.49	100
10	M8	2R8	4.5	10	15	8.5	7.0	10.00	10.0	25	0.58	100*
	M10	2R10	4.5	10	17	10.5	7.0	12.00	12.0	27	0.62	100
	M12	2R12	4.5	10	19	13.0	7.0	13.00	13.0	29	0.64	100
	M5	3R5	5.5	13	12	5.5	8.5	5.50	6.5	26	0.84	100
	M6	3R6	5.5	13	12	6.5	8.5	6.25	7.5	27	0.86	100
16	M8	3R8	5.5	13	15	8.5	8.5	8.50	9.5	29	0.93	100*
	M10	3R10	5.5	13	17	10.5	8.5	10.50	11.5	31	0.99	100
	M12	3R12	5.5	13	19	13.0	8.5	12.00	13.0	33	1.02	100
	M5	4R5	7.0	15	14	5.5	10.0	7.50	7.5	30	1.22	25
	M6	4R6	7.0	15	14	6.5	10.0	7.50	7.5	30	1.20	100
25	M8	4R8	7.0	15	16	8.5	10.0	10.00	10.0	32	1.31	100*
23	M10	4R10	7.0	15	18	10.5	10.0	12.00	12.0	34	1.57	100
	M12	4R12	7.0	15	19	13.0	10.0	13.00	13.0	35	1.39	25
	M14	4R14	7.0	15	21	15.0	10.0	14.50	14.5	38	1.49	25
	M6	5R6	8.5	17	17	6.5	12.0	7.50	7.5	32	1.85	100
	M8	5R8	8.5	17	17	8.5	12.0	10.00	10.0	34	2.00	100*
35	M10	5R10	8.5	17	19	10.5	12.0	12.00	12.0	37	2.13	100
	M12	5R12	8.5	17	21	13.0	12.0	13.00	13.0	38	2.12	100
	M14	5R14	8.5	17	21	15.0	12.0	14.50	14.5	40	2.18	25
	M16	5R16	8.5	17	26	17.0	12.0	16.00	16.0	42	2.24	25
	M6	6R6	10.0	19	20	6.5	14.0	10.00	10.0	37	3.00	25
50	M8	6R8	10.0	19	20	8.5	14.0	10.00	10.0	37	2.93	50
	M10	6R10	10.0	19	20	10.5	14.0	12.00	12.0	39	3.08	50*
	M12	6R12	10.0	19	23	13.0	14.0	13.00	13.0	43	3.23	50



Tubular cable lugs, Cu, standard type

Nominal cross	Size of					Dimens	ion mm				Weight/	
section	bolt	Don't No				-10	.14		.0		100 pcs.	Packing
mm²	dia. M14	Part No. 6R14	d1 10.0	19	23	d2 15.0	14.0	c1 14.50	c2 14.5	45	~ kg 3.32	unit/pcs 25
50	M16	6R16	10.0	19	28	17.0	14.0	16.00	16.0	46	3.38	25
	M20	6R20	10.0	19	30	21.0	14.0	19.00	19.0	48	3.46	25
	M6	7R6	12.0	21	23	6.5	16.5	10.00	10.0	43	4.49	25
	M8	7R8	12.0	21	23	8.5	16.5	10.00	10.0	43	4.38	50
70	M10	7R10	12.0	21	23	10.5	16.5	12.00	12.0	44	4.54	50*
70	M12	7R12	12.0	21	23	13.0	16.5	13.00	13.0	46	4.63	50
	M14	7R14	12.0	21	23	15.0	16.5	14.50	14.5	48	4.76	25
	M16	7R16	12.0	21	28	17.0	16.5	16.00	16.0	50	4.24	25
	M20	7R20	12.0	21	30	21.0	16.5	19.00	19.0	53	5.09	25
	M8	8R8	13.5	25	26	8.5	18.0	12.00	12.0	48	5.44	25
	M10	8R10	13.5	25	26	10.5	18.0	12.00	12.0	48	5.40	50*
95	M12	8R12	13.5	25	26	13.0	18.0	13.00	13.0	49	5.56	50
	M14	8R14	13.5	25	26	15.0	18.0	14.50	14.5	51	5.62	25
	M16	8R16	13.5	25	28	17.0	18.0	16.00	16.0	54	5.82	50
	M20	8R20	13.5	25	36	21.0	18.0	22.00	22.0	60	6.71	25
	M8	9R8	15.0	26	28	8.5	19.5	14.00	14.0	51	6.72	25
	M10	9R10	15.0	26	28	10.5	19.5	14.00	14.0	51	6.57	50
120	M12	9R12	15.0	26	28	13.0	19.5	14.00	14.0	51	6.38	50*
-	M14	9R14	15.0	26	28	15.0	19.5	15.00	15.0	52	6.45	25
	M16	9R16	15.0	26	30	17.0	19.5	16.00	16.0	54	6.51	50
	M20	9R20	15.0	26	36	21.0	19.5	22.00	22.0	63	7.74	25
	M8	10R8	16.5	30	31	8.5	21.0	14.00	14.0	56	7.78	10
	M10	10R10	16.5	30	31	10.5	21.0	14.00	14.0	56	7.62	10
150	M12	10R12	16.5	30	31	13.0	21.0	15.00	15.0	57	7.73	25
	M14	10R14	16.5	30	31	15.0	21.0	15.00	15.0	57	7.64	10
	M16	10R16	16.5	30	31	17.0	21.0	16.00	16.0	58	7.53	10
	M20	10R20	16.5	30	36	21.0	21.0	22.00	22.0	66	8.80	10
	M10	11R10	19.0	30	35	10.5	24.0	18.00	18.0	65	11.75	10
	M12	11R12	19.0	30	35	13.0	24.0	18.00	18.0	65	11.82	10
185	M14	11R14	19.0	30	35	15.0	24.0	18.00	18.0	65	11.39	10
	M16	11R16	19.0	30	35	17.0	24.0	18.00	18.0	65	11.24	25
	M20	11R20	19.0	30	39	21.0	24.0	22.00	22.0	69	12.00	10
	M10	12R10	21.0	35	39	10.5	26.0	21.50	19.0	72	14.72	10
	M12	12R12	21.0	35	39	13.0	26.0	21.50	19.0	72	14.55	10
240	M14	12R14	21.0	35	39	15.0	26.0	21.50	19.0	72	14.24	10
	M16	12R16	21.0	35	39	17.0	26.0	21.50	19.0	72	14.09	25
	M20	12R20	21.0	35	39	21.0	26.0	21.50	19.0	72	13.60	10
	M12	13R12	23.5	44	43	13.0	29.5	24.00	24.0	87	23.33	5
300	M14	13R14	23.5	44	43	15.0	29.5	24.00	24.0	87	23.14	5
300	M16	13R16	23.5	44	43	17.0	29.5	24.00	24.0	87	22.74	5
	M20	13R20	23.5	44	43	21.0	29.5	24.00	24.0	87	22.19	5
	M12	14R12	27.0	44	49	13.0	34.0	24.00	24.0	90	32.41	5
400	M14	14R14	27.0	44	49	15.0	34.0	24.00	24.0	90	32.24	5
400	M16	14R16	27.0	44	49	17.0	34.0	24.00	24.0	90	31.98	5
	M20	14R20	27.0	44	49	21.0	34.0	24.00	24.0	90	31.41	5

^{▶ 10-400} mm² IEC tested

^{* =} Also available in small handy packs

O Sleeves for compacted conductors and sleeves for 3- and 4-core conductors see chapter "Sleeves for compacted and sector shaped conductors-Cu"

[▶] Tools: see chart page 55



Angle tubular cable lugs, copper, 90° angled, standard type







- For multi-stranded round shaped conductors e.g. VDE 0295 Class 2
- ▶ For pre-rounded multi-stranded sector shaped conductors
- ▶ Flat contact surface by special angle punching technology

Characteristics



- Total cross-section: 6 400 mm²
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion

Material

Copper acc. to EN 13600

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Order info

Also available with inspection hole, part number appendix "ms"

Nominal cross section	Size of bolt					Dimension mm	1			Weight/ 100 pcs.	Packing unit/
mm ²	dia.	Part No.	d1	a	b	d2	d4	c1	13	~ kg	pcs
	M5	41R5	3.5	9	10	5.5	6.5	7.5	9	0.59	50
_	M6	41R6	3.5	9	12	6.5	6.5	7.5	10	0.58	50
6	M8	41R8	3.5	9	14	8.5	6.5	10.0	13	0.61	50
	M10	41R10	3.5	9	17	10.5	6.5	12.0	15	0.65	50
_	M12	41R12	3.5	9	19	13.0	6.5	13.0	17	0.62	50
	M5	42R5	4.5	10	12	5.5	7.0	6.5	10	0.57	50
_	M6	42R6	4.5	10	12	6.5	7.0	6.5	10	0.57	50
10	M8	42R8	4.5	10	15	8.5	7.0	10.0	13	0.63	50
_	M10	42R10	4.5	10	17	10.5	7.0	12.0	15	0.66	50
_	M12	42R12	4.5	10	19	13.0	7.0	13.0	18	0.81	50
	M5	43R5	5.5	13	12	5.5	8.5	7.5	10	1.01	50
_	M6	43R6	5.5	13	12	6.5	8.5	7.5	11	1.01	50
16	M8	43R8	5.5	13	15	8.5	8.5	10.0	13	1.08	50
_	M10	43R10	5.5	13	17	10.5	8.5	12.0	15	1.09	50
_	M12	43R12	5.5	13	19	13.0	8.5	13.0	18	1.15	50
	M5	44R5	7.0	15	14	5.5	10.0	7.5	11	1.40	25
_	M6	44R6	7.0	15	14	6.5	10.0	7.5	11	1.32	25
05	M8	44R8	7.0	15	16	8.5	10.0	10.0	13	1.44	25
25 -	M10	44R10	7.0	15	18	10.5	10.0	12.0	15	1.49	25
	M12	44R12	7.0	15	19	13.0	10.0	13.0	18	1.44	25
	M14	44R14	7.0	15	21	15.0	10.0	14.5	20	1.55	25
	M6	45R6	8.5	17	17	6.5	12.0	7.5	11	2.05	25
	M8	45R8	8.5	17	17	8.5	12.0	10.0	13	2.20	25
35 -	M10	45R10	8.5	17	19	10.5	12.0	12.0	15	2.28	25
30	M12	45R12	8.5	17	21	13.0	12.0	13.0	18	2.38	25
	M14	45R14	8.5	17	21	15.0	12.0	14.5	20	2.41	25
	M16	45R16	8.5	17	26	17.0	12.0	16.0	22	2.40	25
	M6	46R6	10.0	19	20	6.5	14.0	10.0	13	3.34	25
	M8	46R8	10.0	19	20	8.5	14.0	10.0	13	3.28	25
	M10	46R10	10.0	19	20	10.5	14.0	12.0	16	3.47	25
50	M12	46R12	10.0	19	23	13.0	14.0	13.0	18	3.42	25
	M14	46R14	10.0	19	23	15.0	14.0	14.5	20	3.55	25
-	M16	46R16	10.0	19	28	17.0	14.0	16.0	22	3.58	25
_	M20	46R20	10.0	19	30	21.0	14.0	19.0	24	3.15	25



Angle tubular cable lugs, copper, 90° angled, standard type

Nominal cross section	Size of bolt			,		Dimension mm			,	Weight/ 100 pcs.	Packing unit/
mm ²	dia.	Part No.	d1	a	b	d2	d4	c1	13	~ kg	pcs
	M6	47R6	12.0	21	23	6.5	16.5	10.0	13	4.90	25
	M8	47R8	12.0	21	23	8.5	16.5	10.0	14	4.80	25
	M10	47R10	12.0	21	23	10.5	16.5	12.0	16	4.88	25
70	M12	47R12	12.0	21	23	13.0	16.5	13.0	18	4.99	25
_	M14	47R14	12.0	21	23	15.0	16.5	14.5	20	5.38	25
_	M16	47R16	12.0	21	28	17.0	16.5	16.0	22	5.35	25
	M20	47R20	12.0	21	30	21.0	16.5	19.0	24	5.30	25
_	M8	48R8	13.5	25	26	8.5	18.0	12.0	14	5.89	25
	M10	48R10	13.5	25	26	10.5	18.0	12.0	17	5.88	25
95 -	M12	48R12	13.5	25	26	13.0	18.0	13.0	18	5.93	25
-	M14	48R14	13.5	25	26	15.0	18.0	14.5	20	6.03	25
-	M16	48R16	13.5	25	28	17.0	18.0	16.0	22	6.17	25
	M20	48R20	13.5	25	36	21.0	18.0	22.0	24	6.42	25
_	M8	49R8	15.0	26	28	8.5	19.5	14.0	16	7.26	10
_	M10	49R10	15.0	26	28	10.5	19.5	14.0	17	7.30	10
120 -	M12	49R12	15.0	26	28	13.0	19.5	14.0	18	7.19	10
-	M14	49R14	15.0	26	28	15.0	19.5	15.0	20	7.30	10
-	M16	49R16	15.0	26	30	17.0	19.5	16.0	22	7.35	10
	M20	49R20	15.0	26	36	21.0	19.5	22.0	24	7.60	10
_	M8	50R8	16.5	30	31	8.5	21.0	14.0	16	8.41	10
-	M10	50R10	16.5	30	31	10.5	21.0	14.0	17	8.27	10
150 -	M12	50R12	16.5	30	31	13.0	21.0	15.0	18	8.34	10
-	M14	50R14	16.5	30	31	15.0	21.0	15.0	20	8.52	10
-	M16	50R16	16.5	30	31	17.0	21.0	16.0	22	8.62	10
	M20	50R20	16.5	30	36	21.0	21.0	22.0	24	9.10	10
-	M10	51R10	19.0	30	35	10.5	24.0	18.0	22	12.17	10
-	M12	51R12	19.0	30	35	13.0	24.0	18.0	22	11.97	10
185	M14	51R14	19.0	30	35	15.0	24.0	18.0	22	11.77	10
-	M16	51R16	19.0	30	35	17.0	24.0	18.0	22	11.53	10
	M20	51R20	19.0	30	39	21.0	24.0	22.0	24	12.00	10
-	M10	52R10	21.0	35	39	10.5	26.0	21.5	22	15.60	10
-	M12	52R12	21.0	35	39	13.0	26.0	21.5	22	15.60	10
240	M14	52R14	21.0	35	39	15.0	26.0	21.5	22	15.41	10
-	M16	52R16	21.0	35	39	17.0	26.0	21.5	22	15.18	10
	M20	52R20	21.0	35	39	21.0	26.0	21.5	24	14.80	10
-	M12	53R12	23.5	44	43	13.0	29.5	24.0	24	23.60	5
300 -	M14	53R14	23.5	44	43	15.0	29.5	24.0	24	23.40	5
-	M16	53R16	23.5	44	43	17.0	29.5	24.0	24	20.99	5
	M20	53R20	23.5	44	43	21.0	29.5	24.0	24	22.70	5
-	M12	54R12	27.0	44	49	13.0	34.0	24.0	24	32.53	5
400 -	M14	54R14	27.0	44	49	15.0	34.0	24.0	24	33.40	5
-	M16	54R16	27.0	44	49	17.0	34.0	24.0	24	32.60	5
	M20	54R20	27.0	44	49	21.0	34.0	24.0	24	31.80	5

^{▶ 10-400} mm² IEC tested

O Sleeves for compacted conductors and sleeves for 3- and 4-core conductors see chapter "Sleeves for compacted and sector shaped conductors-Cu

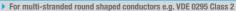
[▶] Tools: see chart page 55



Angle tubular cable lugs, copper, 45° angled, standard type







▶ For pre-rounded multi-stranded sector shaped conductors

▶ Flat contact surface by special angle punching technology



Characteristics

■ Total cross-section: 6 - 400 mm²







Copper acc. to EN 13600



Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Order info

Also available with inspection hole, part number appendix "ms"

Nominal cross section	Size of bolt					Dimension mm				Weight/ 100 pcs.	Packing
mm²	dia.	Part No.	d1	a	b	d2	d4	c1	13	~ kg	unit/pcs
_	M5	41R545	3.5	9	10	5.5	6.5	7.5	9	0.60	50
_	M6	41R645	3.5	9	12	6.5	6.5	7.5	10	0.58	50
6	M8	41R845	3.5	9	14	8.5	6.5	10.0	13	0.68	50
_	M10	41R1045	3.5	9	17	10.5	6.5	12.0	15	0.70	50
	M12	41R1245	3.5	9	19	13.0	6.5	13.0	17	0.70	50
_	M5	42R545	4.5	10	12	5.5	7.0	6.5	10	0.57	50
_	M6	42R645	4.5	10	12	6.5	7.0	6.5	10	0.57	50
10	M8	42R845	4.5	10	15	8.5	7.0	10.0	13	0.63	50
_	M10	42R1045	4.5	10	17	10.5	7.0	12.0	15	0.68	50
	M12	42R1245	4.5	10	19	13.0	7.0	13.0	18	0.68	50
_	M5	43R545	5.5	13	12	5.5	8.5	7.5	10	1.01	50
_	M6	43R645	5.5	13	12	6.5	8.5	7.5	11	1.06	50
16	M8	43R845	5.5	13	15	8.5	8.5	10.0	13	1.15	50
_	M10	43R1045	5.5	13	17	10.5	8.5	12.0	15	1.09	50
	M12	43R1245	5.5	13	19	13.0	8.5	13.0	18	1.15	50
_	M5	44R545	7.0	15	14	5.5	10.0	7.5	11	1.40	25
_	M6	44R645	7.0	15	14	6.5	10.0	7.5	11	1.32	25
25 -	M8	44R845	7.0	15	16	8.5	10.0	10.0	13	1.44	25
25	M10	44R1045	7.0	15	18	10.5	10.0	12.0	15	1.49	25
_	M12	44R1245	7.0	15	19	13.0	10.0	13.0	18	1.44	25
	M14	44R1445	7.0	15	21	15.0	10.0	14.5	20	1.55	25
_	M6	45R645	8.5	17	17	6.5	12.0	7.5	11	2.05	25
_	M8	45R845	8.5	17	17	8.5	12.0	10.0	13	2.20	25
35 -	M10	45R1045	8.5	17	19	10.5	12.0	12.0	15	2.28	25
- 33	M12	45R1245	8.5	17	21	13.0	12.0	13.0	18	2.38	25
_	M14	45R1445	8.5	17	21	15.0	12.0	14.5	20	2.41	25
	M16	45R1645	8.5	17	26	17.0	12.0	16.0	22	2.40	25
_	M6	46R645	10.0	19	20	6.5	14.0	10.0	13	3.43	25
_	M8	46R845	10.0	19	20	8.5	14.0	10.0	13	3.28	25
50 -	M10	46R1045	10.0	19	20	10.5	14.0	12.0	16	3.47	25
JU _	M12	46R1245	10.0	19	23	13.0	14.0	13.0	18	3.42	25
_	M14	46R1445	10.0	19	23	15.0	14.0	14.5	20	3.65	25
	M16	46R1645	10.0	19	28	17.0	14.0	16.0	22	3.76	25



Angle tubular cable lugs, copper, 45° angled, standard type

Nominal cross section	Size of bolt					Dimension mm				Weight/ 100 pcs.	Packing
mm²	dia.	Part No.	d1	a	b	d2	d4	c1	13	~ kg	unit/pcs
50	M20	46R2045	10.0	19	30	21.0	14.0	19.0	24	3.30	25
	M6	47R645	12.0	21	23	6.5	16.5	10.0	13	5.06	25
	M8	47R845	12.0	21	23	8.5	16.5	10.0	14	5.06	25
_	M10	47R1045	12.0	21	23	10.5	16.5	12.0	16	5.25	25
70	M12	47R1245	12.0	21	23	13.0	16.5	13.0	18	5.30	25
_	M14	47R1445	12.0	21	23	15.0	16.5	14.5	20	5.60	25
	M16	47R1645	12.0	21	28	17.0	16.5	16.0	22	5.61	25
	M20	47R2045	12.0	21	30	21.0	16.5	19.0	24	5.60	25
	M8	48R845	13.5	25	26	8.5	18.0	12.0	14	6.19	25
_	M10	48R1045	13.5	25	26	10.5	18.0	12.0	17	5.70	25
-	M12	48R1245	13.5	25	26	13.0	18.0	13.0	18	6.67	25
95 –	M14	48R1445	13.5	25	26	15.0	18.0	14.5	20	6.60	25
	M16	48R1645	13.5	25	28	17.0	18.0	16.0	22	6.78	25
	M20	48R2045	13.5	25	36	21.0	18.0	22.0	24	6.80	25
	M8	49R845	15.0	26	28	8.5	19.5	14.0	16	7.92	10
_	M10	49R1045	15.0	26	28	10.5	19.5	14.0	17	7.99	10
-	M12	49R1245	15.0	26	28	13.0	19.5	14.0	18	7.96	10
120 —	M14	49R1445	15.0	26	28	15.0	19.5	15.0	20	7.94	10
	M16	49R1645	15.0	26	30	17.0	19.5	16.0	22	8.26	10
_	M20	49R2045	15.0	26	36	21.0	19.5	22.0	24	8.20	10
	M8	50R845	16.5	30	31	8.5	21.0	14.0	16	9.00	10
_	M10	50R1045	16.5	30	31	10.5	21.0	14.0	17	9.15	10
150	M12	50R1245	16.5	30	31	13.0	21.0	15.0	18	8.75	10
150 —	M14	50R1445	16.5	30	31	15.0	21.0	15.0	20	9.20	10
	M16	50R1645	16.5	30	31	17.0	21.0	16.0	22	9.22	10
	M20	50R2045	16.5	30	36	21.0	21.0	22.0	24	9.26	10
_	M10	51R1045	19.0	30	35	10.5	24.0	18.0	22	13.30	10
	M12	51R1245	19.0	30	35	13.0	24.0	18.0	22	13.32	10
185	M14	51R1445	19.0	30	35	15.0	24.0	18.0	22	13.40	10
_	M16	51R1645	19.0	30	35	17.0	24.0	18.0	22	12.80	10
	M20	51R2045	19.0	30	39	21.0	24.0	22.0	24	13.10	10
_	M10	52R1045	21.0	35	39	10.5	26.0	21.5	22	16.28	10
_	M12	52R1245	21.0	35	39	13.0	26.0	21.5	22	16.80	10
240 _	M14	52R1445	21.0	35	39	15.0	26.0	21.5	22	16.40	10
_	M16	52R1645	21.0	35	39	17.0	26.0	21.5	22	16.10	10
	M20	52R2045	21.0	35	39	21.0	26.0	21.5	24	16.10	10
_	M12	53R1245	23.5	44	43	13.0	29.5	24.0	24	24.08	5
300 -	M14	53R1445	23.5	44	43	15.0	29.5	24.0	24	24.20	5
_	M16	53R1645	23.5	44	43	17.0	29.5	24.0	24	23.23	5
	M20	53R2045	23.5	44	43	21.0	29.5	24.0	24	23.50	5
	M12	54R1245	27.0	44	49	13.0	34.0	24.0	24	34.00	5
400 —	M14	54R1445	27.0	44	49	15.0	34.0	24.0	24	33.40	5
400 -	M16	54R1645	27.0	44	49	17.0	34.0	24.0	24	34.28	5
	M20	54R2045	27.0	44	49	21.0	34.0	24.0	24	31.80	5

^{▶ 10-400} mm² IEC tested

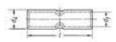
¹ Sleeves for compacted conductors and sleeves for 3- and 4-core conductors see chapter "Sleeves for compacted and sector shaped conductors-Cu"

[▶] Tools: see chart page 55



Butt connectors, Cu, standard type







- For multi-stranded conductors e.g. VDE 0295 Class 2
- ▶ For pre-rounded multi-stranded sector shaped conductors
- Precise end machining for easy cable insertion

Characteristics



- Total cross-section: 0.75 400 mm²
- With buttmarks for precise cable insertion
- Annealed material optimises material and crimping properties

Material

■ Copper acc. to EN 13600

Surface

Tin-plated to protect against corrosion (other surfaces available upon request)

Order info

- Also available without buttmarks, part number appendix "om"
- Now also available in handy plastic boxes for smaller requirements, part number appendix "SB"

Nominal cross section			Dimension mm		Weight/ 100 pcs.	
mm ²	Part No.	d1	d4	1	~ kg	Packing unit/pcs
0.75	17R	1.3	2.8	20	0.09	100*
1.5	18R	1.8	3.3	25	0.12	100*
2.5	19R	2.3	4.2	25	0.20	100*
4	20R	3.0	5.0	25	0.26	100*
6	21R	3.5	6.5	25	0.50	100*
10	22R	4.5	7.0	30	0.72	100*
16	23R	5.5	8.5	35	1.00	100*
25	24R	7.0	10.0	40	1.41	50*
35	25R	8.5	12.0	45	2.24	50*
50	26R	10.0	14.0	50	3.36	50*
70	27R	12.0	16.5	55	4.87	50*
95	28R	13.5	18.0	60	5.91	25*
120	29R	15.0	19.5	65	7.00	25*
150	30R	16.5	21.0	70	8.12	10
185	31R	19.0	24.0	75	10.06	10
240	32R	21.0	26.0	85	13.82	10
300	33R	23.5	29.5	100	21.94	5
400	34R	27.0	34.0	100	29.65	5

^{▶ 10-400} mm² IEC tested

^{* =} Also available in small handy packs

¹ Sleeves for compacted conductors and sleeves for 3- and 4-core conductors see chapter "Sleeves for compacted and sector shaped conductors-Cu"

[▶] Tools: see chart page 55



Parallel connectors, Cu, standard type

- Ideal for connecting differing cable cross-sections
- ▶ Precise end machining for easy cable insertion

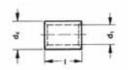
Characteristics

- Total cross-section: 1.5 300 mm²
- Annealed material optimises material and crimping properties

Copper acc. to EN 13600

Surface





Nominal cross section			Dimension mm		Weight/ 100 pcs.	
mm²	Part No.	d1	d4	1	~ kg	Packing unit/pcs
1.5	148R	1.8	3.3	5	0.03	100
2.5	149R	2.3	4.2	5	0.04	100
4	150R	3.0	5.0	7	0.08	100
6	151R	4.0	6.0	7	0.09	100
10	152R	4.5	7.0	9	0.17	100
16	153R	5.5	8.5	10	0.28	100
25	154R	7.0	10.0	13	0.44	100
35	155R	8.5	12.0	16	0.78	100
50	156R	10.0	14.0	19	1.22	100
70	157R	12.0	16.5	19	1.62	50
95	158R	13.5	18.0	20	1.90	50
120	159R	15.0	19.5	22	2.28	50
150	160R	16.5	21.0	26	3.00	50
185	161R	19.0	24.0	30	4.37	50
240	162R	21.0	26.0	32	5.30	25
300	163R	23.5	29.5	36	8.05	25

[▶] The specified nominal cross section is in accordance with the total cross section of the cable.

> Tools: see chart page 55

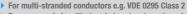




T-connectors, Cu, standard type







- ▶ For pre-rounded multi-stranded sector shaped conductors
- Special version for cable tap conductors



Characteristics

- Total cross-section: 1.5 240 mm²
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion

Material

■ Copper acc. to EN 13600

Nominal cross section			Dimer	ision mm		Weight/ 100 pcs.	
mm ²	Part No.	d1	d4	1	11	~ kg	Packing unit/pcs
1.5	TV15	1.8	3.3	30	12	0.23	50
2.5	TV2.5	2.3	4.2	30	12	0.37	50
4	TV4	3.0	5.0	30	12	0.45	50
6	TV6	4.0	6.0	35	14	0.73	50
10	TV10	4.5	7.0	35	14	1.05	50
16	TV16	5.5	8.5	50	21	2.20	50
25	TV25	7.0	10.0	55	23	2.90	25
35	TV35	8.5	12.0	70	30	5.20	25
50	TV50	10.0	14.0	80	34	7.90	25
70	TV70	12.0	16.5	85	35	11.20	10
95	TV95	13.5	18.0	90	36	13.00	10
120	TV120	15.0	19.5	95	38	14.70	10
150	TV150	16.5	21.0	110	44	18.90	10
185	TV185	19.0	24.0	115	45	25.00	5
240	TV240	21.0	26.0	130	52	31.10	5

¹ Sleeves for compacted conductors and sleeves for 3- and 4-core conductors see chapter "Sleeves for compacted and sector shaped conductors-Cu"

[▶] Tools: see chart page 55



Cross-connectors, Cu, standard type

- For multi-stranded conductors e.g. VDE 0295 Class 2
- ▶ For pre-rounded multi-stranded sector shaped conductors
- Version for double cable tap conductors

Characteristics

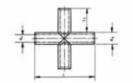
- Total cross-section: 1.5 240 mm²
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion

■ Copper acc. to EN 13600









Nominal cross section			Dimensi	ion mm		Weight/ 100 pcs.	
mm²	Part No.	d1	d4		l1	~ kg	Packing unit/pcs
1.5	KV15	1.8	3.3	30	12	0.320	25
2.5	KV2.5	2.3	4.2	30	12	0.490	25
4	KV4	3.0	5.0	30	12	0.650	25
6	KV6	4.0	6.0	35	14	0.950	25
10	KV10	4.5	7.0	35	14	1.350	25
16	KV16	5.5	8.5	50	21	2.950	25
25	KV25	7.0	10.0	55	23	4.000	15
35	KV35	8.5	12.0	70	30	6.900	15
50	KV50	10.0	14.0	80	34	10.400	15
70	KV70	12.0	16.5	85	35	14.600	15
95	KV95	13.5	18.0	90	36	17.100	15
120	KV120	15.0	19.5	95	38	19.400	5
150	KV150	16.5	21.0	110	44	24.100	5
185	KV185	19.0	24.0	115	45	32.100	5
240	KV240	21.0	26.0	130	52	41.100	5

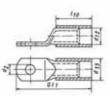
- 10 Sleeves for compacted conductors and sleeves for 3- and 4-core conductors see chapter "Sleeves for compacted and sector shaped conductors-Cu"
- > Tools: see chart page 55

KlauKe®

Copper tubular cable lugs and connectors - Cu

Insulated tubular cable lugs, Cu, standard type







- For multi-stranded conductors e.g. VDE 0295 Class 2
- ▶ For pre-rounded multi-stranded sector shaped conductors
- No additional insulation of the crimped connection required

Characteristics

- Total cross-section: 10 150 mm²
- Is directly crimped with the insulation
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion
- Heat resistant to 105° C

Material

- Cable lug: Copper acc. to EN 13600
- Insulation sleeve: PA, halogen-free

Surface

Tin-plated

Order info

Also available with inspection hole, part number appendix "ms"

Nominal cross section	Size of bolt					Dimension mm			Weight 10	Packing unit	
mm ²	dia.	Part No.	Colour	d12	d13	d2	GI1	110	Cu	Total	pcs
	M5	602R5		7.0	9.0	5.5	35.5	17.0	0.50	0.548	25
	M6	602R6		7.0	9.0	6.5	35.5	17.0	0.49	0.538	25
10	M8	602R8		7.0	9.0	8.5	42.0	17.0	0.58	0.628	25
_	M10	602R10		7.0	9.0	10.5	46.0	17.0	0.62	0.668	25
_	M12	602R12		7.0	9.0	13.0	49.0	17.0	0.64	0.688	25
	M5	603R5		8.5	10.5	5.5	39.5	21.0	0.84	0.907	25
_	M6	603R6		8.5	10.5	6.5	41.3	21.0	0.86	0.927	25
16	M8	603R8		8.5	10.5	8.5	45.5	21.0	0.93	0.997	25
-	M10	603R10		8.5	10.5	10.5	49.5	21.0	0.99	1.057	25
_	M12	603R12		8.5	10.5	13.0	54.0	21.0	1.02	1.087	25
	M5	604R5		10.0	12.0	5.5	45.0	24.0	1.22	1.312	25
_	M6	604R6		10.0	12.0	6.5	46.5	24.0	1.20	1.292	25
-	M8	604R8		10.0	12.0	8.5	51.0	24.0	1.31	1.402	25
25 -	M10	604R10		10.0	12.0	10.5	55.0	24.0	1.57	1.662	25
_	M12	604R12		10.0	12.0	13.0	57.0	24.0	1.39	1.482	25
	M14	604R14		10.0	12.0	15.0	61.5	24.0	1.49	1.582	25
	M6	605R6		12.0	14.5	6.5	49.5	27.0	1.85	2.010	25
	M8	605R8		12.0	14.5	8.5	54.0	27.0	2.00	2.160	25
-	M10	605R10		12.0	14.5	10.5	59.0	27.0	2.13	2.290	25
35 -	M12	605R12		12.0	14.5	13.0	61.0	27.0	2.12	2.280	25
_	M14	605R14		12.0	14.5	15.0	64.5	27.0	2.18	2.340	25
_	M16	605R16		12.0	14.5	17.0	68.0	27.0	2.24	2.400	25
	M6	606R6		14.0	16.5	6.5	59.0	32.0	3.00	3.220	25
_	M8	606R8		14.0	16.5	8.5	59.0	32.0	2.93	3.150	25
-	M10	606R10		14.0	16.5	10.5	63.0	32.0	3.08	3.300	25
50	M12	606R12		14.0	16.5	13.0	68.0	32.0	3.23	3.450	25
-	M14	606R14		14.0	16.5	15.0	71.5	32.0	3.32	3.540	25
_	M16	606R16		14.0	16.5	17.0	77.0	32.0	3.38	3.600	25
-	M20	606R20		14.0	16.5	21.0	83.5	32.0	3.46	3.680	25



Insulated tubular cable lugs, Cu, standard type

Nominal	Size of					Dimension mm	ı		Weight 10	0 pcs. ~kg	Daaliinait/
cross section mm ²	bolt dia.	Part No.	Colour	d12	d13	d2	GI1	l10	Cu	Total	Packing unit/ pcs
	M6	607R6		16.4	18.9	6.5	65.5	33.5	4.49	4.760	25
-	M8	607R8		16.4	18.9	8.5	65.5	33.5	4.38	4.650	25
-	M10	607R10		16.4	18.9	10.5	66.5	33.5	4.54	4.810	25
70	M12	607R12		16.4	18.9	13.0	70.5	33.5	4.63	4.900	25
-	M14	607R14		16.4	18.9	15.0	73.5	33.5	4.76	5.030	25
	M16	607R16		16.4	18.9	17.0	78.5	33.5	4.24	4.510	25
-	M20	607R20		16.4	18.9	21.0	84.5	33.5	5.09	5.360	25
	M8	608R8		17.8	20.8	8.5	74.0	40.0	5.44	5.85	25
-	M10	608R10		17.8	20.8	10.5	74.0	40.0	5.40	5.81	25
05	M12	608R12		17.8	20.8	13.0	76.0	40.0	5.56	5.97	25
95	M14	608R14		17.8	20.8	15.0	79.5	40.0	5.62	6.03	25
	M16	608R16		17.8	20.8	17.0	84.0	40.0	5.82	6.23	25
	M20	608R20		17.8	20.8	21.0	96.0	40.0	6.71	7.12	25
	M8	609R8		19.3	22.3	8.5	80.5	41.5	6.72	7.18	10
	M10	609R10		19.3	22.3	10.5	80.5	41.5	6.57	7.03	10
120	M12	609R12		19.3	22.3	13.0	80.5	41.5	6.38	6.84	10
120	M14	609R14		19.3	22.3	15.0	82.5	41.5	6.45	6.91	10
	M16	609R16		19.3	22.3	17.0	85.5	41.5	6.51	6.97	10
	M20	609R20		19.3	22.3	21.0	100.5	41.5	7.74	8.20	10
	M8	610R8		20.8	23.8	8.5	88.0	48.0	7.78	8.36	10
	M10	610R10		20.8	23.8	10.5	88.0	48.0	7.62	8.20	10
150	M12	610R12		20.8	23.8	13.0	89.0	48.0	7.73	8.31	10
150	M14	610R14		20.8	23.8	15.0	90.0	48.0	7.64	8.22	10
-	M16	610R16		20.8	23.8	17.0	92.0	48.0	7.53	8.11	10
_	M20	610R20		20.8	23.8	21.0	106.0	48.0	8.80	9.38	10

Dimensions of tubular cable lugs can be found on page 34 and onwards
 Sleeves for compacted conductors and sleeves for 3- and 4-core conductors see chapter "Sleeves for compacted and sector shaped conductors-Cu"

[▶] Tools: see chart page 57





Insulated butt connectors, Cu, standard type







- For multi-stranded conductors e.g. VDE 0295 Class 2
- ▶ For pre-rounded multi-stranded sector shaped conductors
- No additional insulation of the crimped connection required
- Is directly crimped with the insulation

Characteristics

- Total cross-section: 10 150 mm²
- With buttmarks for precise cable insertion
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion
- Heat resistant to 105° C

Material

- Connector: copper acc. to EN 13600
- Insulation sleeve: PA, halogen-free

Nominal cross section				Dimension mm		Weight 100		
mm ²	Part No.	Colour	d12	d13	l10	Cu	Total	Packing unit/pcs
10	622R		7.0	9.0	42	0.72	0.84	25
16	623R		8.5	10.5	50	1.00	1.16	25
25	624R		10.0	12.0	57	1.41	1.63	25
35	625R		12.0	14.4	65	2.24	2.60	25
50	626R		14.0	16.4	72	3.36	3.81	25
70	627R		16.4	19.0	80	4.87	5.46	25
95	628R		17.8	20.8	87	5.91	6.74	25
120	629R		19.3	22.3	94	7.00	7.96	10
150	630R		20.8	23.8	103	8.12	9.32	10

¹ Dimensions of butt connectors can be found on page 40

¹ Sleeves for compacted conductors and sleeves for 3- and 4-core conductors see chapter "Sleeves for compacted and sector shaped conductors-Cu"

[▶] Tools: see chart page 57



Tubular cable lugs, Cu, F-series

- For fine stranded conductors, DIN EN 60228 (e.g. VDE 0295 Class 5 and 6)
- Tube dimensions suitable for fine stranded conductors
- Precise end machining and easy entry for cable insertion

Characteristics

- Total cross-section: 10 300 mm²
- Annealed material optimises material and crimping properties
- Acc. to DIN EN 61373 class 1 B approved to vibration

■ Copper acc. to EN 13600

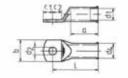
■ Tin-plated to protect against corrosion (other surfaces available upon request)

Order info

Also available with inspection hole, part number appendix "ms"







lominal cross section	Size of bolt					Dimens	ion mm				Weight/ 100 pcs.	Packin
mm²	dia.	Part No.	d1	a	b	d2	d4	c1	c2	1	~ kg	unit/po
_	M5	702F5	5.5	14	12	5.3	8.0	6.25	7.5	27	0.72	100
	M6	702F6	5.5	14	12	6.5	8.0	6.25	7.5	27	0.71	100
10	M8	702F8	5.5	14	16	8.5	8.0	8.50	9.5	29	0.77	100
	M10	702F10	5.5	14	16	10.5	8.0	10.50	11.5	31	0.82	100
	M12	702F12	5.5	14	19	13.0	8.0	12.00	13.0	32	0.82	100
_	M5	703F5	6.6	15	13	5.3	9.5	6.25	7.5	30	1.10	100
	M6	703F6	6.6	15	13	6.5	9.5	6.25	7.5	30	1.07	100
16	M8	703F8	6.6	15	16	8.5	9.5	10.00	10.0	32	1.21	100
	M10	703F10	6.6	15	17	10.5	9.5	12.00	12.0	34	1.28	100
	M12	703F12	6.6	15	19	13.0	9.5	13.00	13.0	35	1.28	100
	M5	704F5	7.9	17	15	5.3	11.0	7.50	7.5	32	1.52	25
	M6	704F6	7.9	17	15	6.5	11.0	7.50	7.5	32	1.50	100
25	M8	704F8	7.9	17	17	8.5	11.0	10.00	10.0	34	1.61	100
_	M10	704F10	7.9	17	17	10.5	11.0	12.00	12.0	37	1.71	100
-	M12	704F12	7.9	17	19	13.0	11.0	13.00	13.0	38	1.74	25
_	M6	705F6	9.2	19	17	6.5	12.5	7.50	7.5	35	1.91	100
	M8	705F8	9.2	19	18	8.5	12.5	10.00	10.0	37	2.08	100
35	M10	705F10	9.2	19	18	10.5	12.5	12.00	12.0	40	2.24	100
-	M12	705F12	9.2	19	19	13.0	12.5	13.00	13.0	41	2.22	25
	M14	705F14	9.2	19	21	15.0	12.5	14.50	14.5	43	2.41	25
	M6	706F6	11.0	21	21	6.5	15.0	10.00	10.0	41	3.54	25
	M8	706F8	11.0	21	21	8.5	15.0	10.00	10.0	41	3.44	50
-	M10	706F10	11.0	21	21	10.5	15.0	12.00	12.0	43	3.64	50
50 -	M12	706F12	11.0	21	21	13.0	15.0	13.00	13.0	46	3.73	50
-	M14	706F14	11.0	21	23	15.0	15.0	14.50	14.5	48	3.89	25
	M16	706F16	11.0	21	28	17.0	15.0	16.00	16.0	50	4.02	25
	M8	707F8	13.0	25	25	8.5	17.0	10.00	10.0	46	4.46	50
	M10	707F10	13.0	25	25	10.5	17.0	12.00	12.0	48	4.62	50
70	M12	707F12	13.0	25	25	13.0	17.0	13.00	13.0	50	4.71	50
-	M14	707F14	13.0	25	25	15.0	17.0	14.50	14.5	52	4.87	25
-	M16	707F16	13.0	25	25	17.0	17.0	16.00	16.0	54	5.85	25
	M8	708F8	14.5	26	28	8.5	19.0	12.00	12.0	52	6.35	25
-	M10	708F10	14.5	26	28	10.5	19.0	12.00	12.0	52	6.23	50
95	M12	708F12	14.5	26	28	13.0	19.0	13.00	13.0	53	6.31	50
-	M14	708F14	14.5	26	28	15.0	19.0	14.50	14.5	55	6.46	25
-	M16	708F16	14.5	26	28	17.0	19.0	16.00	16.0	56	6.56	50



Tubular cable lugs, Cu, F-series

Nominal cross section	Size of bolt					Dimens	sion mm				Weight/ 100 pcs.	Packing
mm ²	dia.	Part No.	d1	a	b	d2	d4	c1	c2	1	~ kg	unit/pcs
	M10	709F10	16.2	30	30	10.5	21.0	14.00	14.0	57	8.31	50
	M12	709F12	16.2	30	30	13.0	21.0	15.00	15.0	58	8.39	50
120	M14	709F14	16.2	30	30	15.0	21.0	15.00	15.0	58	8.06	25
	M16	709F16	16.2	30	30	17.0	21.0	16.00	16.0	59	8.17	50
	M20	709F20	16.2	30	36	21.0	21.0	22.00	22.0	66	9.56	25
	M10	710F10	18.0	32	34	10.5	23.0	15.00	16.0	64	10.91	10
	M12	710F12	18.0	32	34	13.0	23.0	16.00	17.0	65	10.89	25
150	M14	710F14	18.0	32	34	15.0	23.0	18.00	19.0	67	11.42	10
	M16	710F16	18.0	32	34	17.0	23.0	19.00	20.0	68	11.30	10
	M20	710F20	18.0	32	40	21.0	23.0	21.00	22.0	70	11.36	10
_	M12	711F12	20.6	35	39	13.0	26.0	21.50	19.0	72	15.40	10
185	M14	711F14	20.6	35	39	15.0	26.0	21.50	19.0	72	15.20	10
100	M16	711F16	20.6	35	39	17.0	26.0	21.50	19.0	72	15.00	25
	M20	711F20	20.6	35	39	21.0	26.0	21.50	19.0	72	14.20	10
_	M10	712F10	23.1	44	41	10.5	28.0	16.00	17.0	80	16.50	10
	M12	712F12	23.1	44	41	13.0	28.0	16.00	17.0	80	16.30	10
240	M14	712F14	23.1	44	41	15.0	28.0	19.00	20.0	83	16.80	10
	M16	712F16	23.1	44	41	17.0	28.0	19.00	20.0	83	16.71	25
	M20	712F20	23.1	44	41	21.0	28.0	21.00	22.0	85	17.12	10
	M12	713F12	26.1	44	47	13.0	32.0	19.00	22.0	96	25.60	5
300	M14	713F14	26.1	44	47	15.0	32.0	19.00	22.0	96	26.56	5
300	M16	713F16	26.1	44	47	17.0	32.0	19.00	22.0	96	25.60	5
	M20	713F20	26.1	44	47	21.0	32.0	22.00	22.0	96	26.24	5

[▶] Tools: see chart page 58



Angle tubular cable lugs, Cu, 90° angled, F-series

- For fine stranded conductors, DIN EN 60228 (e.g. VDE 0295 Class 5 and 6)
- Precise end machining and easy entry for cable insertion
- ▶ Flat contact surface by special angle punching technology

Characteristics

- Total cross-section: 10 240 mm²
- Annealed material optimises material and crimping properties
- Tube dimensions suitable for fine stranded conductors

Material

■ Copper acc. to EN 13600

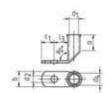
■ Tin-plated to protect against corrosion (other surfaces available upon request)

Order info

- 45° angle version also available, part number appendix "45"
- Also available with inspection hole, part number appendix "ms"







Nominal cross section	Size of bolt					Dimension mm				Weight/ 100 pcs.	Packing unit
mm ²	dia.	Part No.	d1	a	b	d2	d4	c1	min. for I3	~ kg	pcs
	M5	742F5	5.5	14	12	5.3	8.0	6.25	7.5	0.80	50
_	M6	742F6	5.5	14	12	6.5	8.0	6.25	7.5	0.78	50
10	M8	742F8	5.5	14	16	8.5	8.0	9.00	9.5	0.84	50
_	M10	742F10	5.5	14	16	10.5	8.0	10.50	12.0	0.88	50
	M12	742F12	5.5	14	19	13.0	8.0	12.00	13.0	0.90	50
_	M5	743F5	6.6	15	13	5.3	9.5	6.25	7.5	1.12	50
	M6	743F6	6.6	15	13	6.5	9.5	6.25	7.5	1.12	50
16	M8	743F8	6.6	15	16	8.5	9.5	10.00	10.0	1.30	50
_	M10	743F10	6.6	15	17	10.5	9.5	12.00	12.0	1.38	50
	M12	743F12	6.6	15	19	13.0	9.5	13.00	13.0	1.34	50
_	M5	744F5	7.9	17	15	5.3	11.0	7.50	7.5	1.52	25
_	M6	744F6	7.9	17	15	6.5	11.0	7.50	7.5	1.54	25
25	M8	744F8	7.9	17	17	8.5	11.0	10.00	10.0	1.80	25
	M10	744F10	7.9	17	17	10.5	11.0	12.00	12.0	1.79	25
	M12	744F12	7.9	17	19	13.0	11.0	13.00	13.0	1.76	25
_	M6	745F6	9.2	19	17	6.5	12.5	7.50	7.5	2.02	25
_	M8	745F8	9.2	19	18	8.5	12.5	10.00	10.0	2.18	25
35	M10	745F10	9.2	19	18	10.5	12.5	12.00	12.0	2.30	25
_	M12	745F12	9.2	19	19	13.0	12.5	13.00	13.0	2.26	25
	M14	745F14	9.2	19	21	15.0	12.5	14.50	14.5	2.65	25
_	M6	746F6	11.0	21	21	6.5	15.0	10.00	10.0	3.75	25
	M8	746F8	11.0	21	21	8.5	15.0	10.00	10.0	3.57	25
50 -	M10	746F10	11.0	21	21	10.5	15.0	12.00	12.0	3.83	25
JU _	M12	746F12	11.0	21	21	13.0	15.0	13.00	13.0	3.74	25
_	M14	746F14	11.0	21	23	15.0	15.0	14.50	14.5	4.20	25
	M16	746F16	11.0	21	28	17.0	15.0	16.00	16.0	4.35	25
_	M8	747F8	13.0	25	25	8.5	17.0	10.00	10.0	4.83	25
	M10	747F10	13.0	25	25	11.0	17.0	12.00	12.0	5.18	25
70	M12	747F12	13.0	25	25	13.0	17.0	13.00	13.0	5.16	25
	M14	747F14	13.0	25	25	15.0	17.0	14.50	14.5	5.38	25
	M16	747F16	13.0	25	25	17.0	17.0	16.00	16.0	6.50	25
	M8	748F8	14.5	26	28	8.5	19.0	12.00	12.0	6.66	25
	M10	748F10	14.5	26	28	11.0	19.0	12.00	12.0	6.04	25
95	M12	748F12	14.5	26	28	13.0	19.0	13.00	13.0	6.58	25
	M14	748F14	14.5	26	28	15.0	19.0	14.50	14.5	7.24	25
_	M16	748F16	14.5	26	28	17.0	19.0	16.00	16.0	7.34	25





Angle tubular cable lugs, Cu, 90° angled, F-series

Nominal cross section	Size of bolt					Dimension mm		ı		Weight/ 100 pcs.	Packing unit/
mm²	dia.	Part No.	d1	a	b	d2	d4	c1	min. for I3	~ kg	pcs
_	M10	749F10	16.2	30	30	11.0	21.0	14.00	14.0	8.76	10
	M12	749F12	16.2	30	30	13.0	21.0	15.00	15.0	8.76	10
120	M14	749F14	16.2	30	30	15.0	21.0	15.00	15.0	9.15	10
	M16	749F16	16.2	30	30	17.0	21.0	16.00	16.0	8.54	10
	M20	749F20	16.2	30	36	21.0	21.0	22.00	22.0	9.60	10
	M10	750F10	18.0	32	34	11.0	23.0	15.00	16.0	11.54	10
	M12	750F12	18.0	32	34	13.0	23.0	16.00	18.0	11.58	10
150	M14	750F14	18.0	32	34	15.0	23.0	18.00	19.0	11.90	10
	M16	750F16	18.0	32	34	17.0	23.0	19.00	20.0	11.80	10
	M20	750F20	18.0	32	40	21.0	23.0	21.00	22.0	12.00	10
	M12	751F12	20.6	35	39	13.0	26.0	21.50	19.0	16.36	10
185 -	M14	751F14	20.6	35	39	15.0	26.0	21.50	19.0	16.20	10
100	M16	751F16	20.6	35	39	17.0	26.0	21.50	19.0	15.36	10
	M20	751F20	20.6	35	39	21.0	26.0	21.50	19.0	15.80	10
240	M16	752F16	23.1	44	41	17.0	28.0	19.00	20.0	17.80	5

[▶] Tools: see chart page 58

Butt connectors, Cu, F-series







- For fine stranded conductors, DIN EN 60228 (e.g. VDE 0295 Class 5 and 6)
- Precise end machining and easy entry for cable insertion



Characteristics

- Total cross-section: 10 185 mm²
- With buttmarks for precise cable insertion
- Annealed material optimises material and crimping properties
- Tube dimensions suitable for fine stranded conductors

Material

■ Copper acc. to EN 13600

Nominal cross section			Dimension mm		Weight/ 100 pcs.	
mm²	Part No.	d1	d4	1	~ kg	Packing unit/pcs
10	722F	5.5	8.0	38	0.90	100
16	723F	6.6	9.5	38	1.25	100
25	724F	7.9	11.0	38	1.56	50
35	725F	9.2	12.5	45	2.19	50
50	726F	11.0	15.0	45	3.37	50
70	727F	13.0	17.0	54	4.65	50
95	728F	14.5	19.0	56	6.05	25
120	729F	16.2	21.0	60	7.58	25
150	730F	18.0	23.0	68	9.83	10
185	731F	20.6	26.0	75	13.30	10

[▶] Tools: see chart page 58



Tubular cable lugs, Cu, for solid conductors

For solid conductors e.g. VDE 0295 Class 1

Characteristics

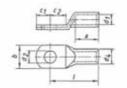
- Total cross-section: 6 50 mm²
- Annealed material optimises material and crimping properties
- Flat contact surface by special punching technology
- Precise end machining for easy cable insertion

Material

■ Copper acc. to EN 13600

Surface





Nominal cross section	Size of bolt					Dimens	ion mm				Weight/ 100 pcs.	Packing
mm ²	dia.	Part No.	d1	a	b	d2	d4	c1	c2	1	~ kg	unit/pcs
	M5	SR65	3.0	8	9.0	5.3	5	4.75	6.0	17.0	0.213	25
6 -	M6	SR66	3.0	8	10.0	6.5	5	6.50	6.5	19.0	0.220	25
40	M6	SR106	4.0	9	10.0	6.5	6	7.00	6.5	19.0	0.300	25
10 -	M8	SR108	4.0	9	14.0	8.5	6	8.50	9.5	22.0	0.320	25
40	M6	SR166	5.0	12	12.5	6.5	8	6.50	7.0	23.5	0.800	25
16	M8	SR168	5.0	12	15.0	8.5	8	9.00	9.0	26.0	0.900	25
05	M6	SR256	6.2	15	14.0	6.5	10	7.50	7.5	30.0	1.560	25
25	M8	SR258	6.2	15	16.0	8.5	10	10.00	10.0	32.0	1.700	25
	M6	SR356	7.0	15	14.0	6.5	10	7.50	7.5	30.0	1.200	25
35	M8	SR358	7.0	15	16.0	8.5	10	10.00	10.0	32.0	1.310	25
-	M10	SR3510	7.0	15	18.0	10.5	10	12.00	12.0	34.0	1.570	25
	M6	SR506	8.5	17	17.0	6.5	12	7.50	7.5	32.0	1.850	25
50	M8	SR508	8.5	17	17.0	8.5	12	10.00	10.0	34.0	2.000	25
-	M10	SR5010	8.5	17	19.0	10.5	12	12.00	12.0	37.0	2.130	25

[▶] Tools: see chart page 60

KlauKe®

Copper tubular cable lugs and connectors - Cu

Butt connectors, Cu, for solid conductors







- For solid conductors e.g. VDE 0295 Class 1
- Tube dimensions suitable for solid conductors

Characteristics

- Total cross-section: 1.5 50 mm²
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion

Copper acc. to EN 13600

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

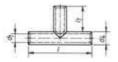
Nominal cross section			Dimens	sion mm		Weight/ 100 pcs.	
mm²	Part No.	d1	d4	1	Wire dia. mm	~ kg	Packing unit/pcs
1.5-2.5	SV1525	1.9	3.9	25	1.38/1.78	0.210	100
4	SV4	2.4	4.4	25	2.25	0.240	100
6	SV6	3.0	5.0	25	2.75	0.275	100
10	SV10	4.0	6.0	25	3.55	0.350	100
16	SV16	5.0	8.0	35	4.5	0.960	100
25	SV25	6.2	10.0	40	5.65	1.700	50
35	SV35	7.0	10.0	40	6.7	1.420	50
50	SV50	8.5	12.0	70	8	3.550	50

[►] Tools: see chart page 60

T-connectors, Cu, for solid conductors









- For solid conductors e.g. VDE 0295 Class 1
- ▶ Special version for cable tap conductors

Characteristics

- Total cross-section: 1.5 50 mm²
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion

■ Copper acc. to EN 13600

Surface

Nominal cross section			Dimensi	on mm			Weight/ 100 pcs.	
mm²	Part No.	d1	d4	1	l1	Wire dia. mm	~ kg	Packing unit/pcs
1.5-2.5	STV1525	1.9	3.9	30	12	1.38/1.78	0.34	50
4	STV4	2.4	4.4	30	12	2.25	0.40	50
6	STV6	3.0	5.0	30	12	2.75	0.48	50
10	STV10	4.0	6.0	35	14	3.55	0.72	50
16	STV16	5.0	8.0	35	14	4.5	1.40	50
25	STV25	6.2	10.0	50	21	5.65	3.20	25
35	STV35	7.0	10.0	55	23	6.7	2.95	25
50	STV50	8.5	12.0	76	32	8	5.60	25

[▶] Tools: see chart page 60



Cross connectors, Cu, for solid conductors

- For solid conductors e.g. VDE 0295 Class 1
- ▶ Special version for double cable tap conductors

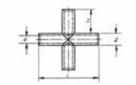
Characteristics

- Total cross-section: 1.5 50 mm²
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion

■ Copper acc. to EN 13600

Surface





Nominal cross section				Dimension mm			Weight/ 100 pcs.	
mm ²	Part No.	d1	d4	1	l1	Wire Ø mm	~ kg	Packing unit/pcs
1.5-2.5	SKV1525	1.9	3.9	30	12	1.38/1.78	0.47	25
4	SKV4	2.4	4.4	30	12	2.25	0.56	25
6	SKV6	3.0	5.0	30	12	2.75	0.67	25
10	SKV10	4.0	6.0	35	14	3.55	0.92	25
16	SKV16	5.0	8.0	35	14	4.5	1.86	25
25	SKV25	6.2	10.0	50	21	5.65	4.20	15
35	SKV35	7.0	10.0	55	23	6.7	3.80	15
50	SKV50	8.5	12.0	76	32	8	7.35	15

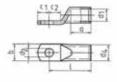
[▶] Tools: see chart page 60



Tubular cable lugs for switch gear connections, standard type









- For multi-stranded conductors e.g. VDE 0295 Class 2
- For pre-rounded multi-stranded sector shaped conductors
- For assembly in switch cabinets with reduced connecting space
- Narrow version owed to new manufacturing processes without material loss



Characteristics

- Total cross-section: 35 300 mm²
- Annealed material optimises material and crimping properties
- Flat contact surface by special punching technology
- Precise end machining for easy cable insertion



Material

■ Copper acc. to EN 13600

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Also available with inspection hole, part number appendix "ms"

Nominal cross section	Size of bolt					Dimens					Weight/ 100 pcs.	Packing
mm²	dia.	Part No.	d1	a	b	d2	d4	c1	c2	- 1	~ kg	unit/pcs
35	M6	5SG6	8.5	17	15.0	6.5	12.0	7.5	7.5	32	1.78	25
_	M6	6SG6	10.0	19	15.0	6.5	14.0	10.0	10.0	37	2.95	25
50	M8	6SG8	10.0	19	17.0	8.5	14.0	10.0	10.0	37	2.82	25
	M10	6SG10	10.0	19	19.0	10.5	14.0	11.5	12.0	39	3.08	25
_	M6	7SG6	12.0	21	17.0	6.5	16.5	10.0	10.0	43	4.22	25
70 -	M8	7SG8	12.0	21	17.0	8.5	16.5	10.0	10.0	43	4.10	25
70	M10	7SG10	12.0	21	19.0	10.5	16.5	11.5	12.0	44	4.45	25
	M12	7SG12	12.0	21	19.0	13.0	16.5	13.0	13.0	46	4.22	25
	M6	8SG6	13.5	25	19.0	6.5	18.0	11.5	12.0	48	5.49	25
95 -	M8	8SG8	13.5	25	19.0	8.5	18.0	11.5	12.0	48	5.46	25
95 -	M10	8SG10	13.5	25	19.0	10.5	18.0	11.5	12.0	48	5.13	25
-	M12	8SG12	13.5	25	19.0	13.0	18.0	13.0	13.0	49	5.15	25
	M6	9SG6	15.0	26	19.0	6.5	19.5	11.5	14.0	51	6.16	10
400	M8	9SG8	15.0	26	19.0	8.5	19.5	11.5	14.0	51	5.94	10
120 -	M10	9SG10	15.0	26	19.0	10.5	19.5	11.5	14.0	51	5.81	10
	M12	9SG12	15.0	26	19.0	13.0	19.5	14.0	14.0	51	5.92	10
	M6	10SG6	16.5	30	19.0	6.5	21.0	11.5	14.0	56	6.85	10
450	M8	10SG8	16.5	30	19.0	8.5	21.0	11.5	14.0	56	6.80	10
150 -	M10	10SG10	16.5	30	19.0	10.5	21.0	11.5	14.0	56	6.75	10
-	M12	10SG12	16.5	30	19.0	13.0	21.0	15.0	15.0	57	7.15	10
	M10	11SG10	19.0	30	24.5	10.5	24.0	11.5	18.0	65	10.59	10
185	M12	11SG12	19.0	30	31.0	13.0	24.0	18.0	18.0	65	11.09	10
-	M16	11SG16	19.0	30	31.0	17.0	24.0	18.0	18.0	65	9.76	10
	M10	12SG10	21.0	35	31.0	10.5	26.0	11.5	19.0	72	12.70	5
240	M12	12SG12	21.0	35	31.0	13.0	26.0	21.5	19.0	72	13.72	5
_	M16	12SG16	21.0	35	31.0	17.0	26.0	21.5	19.0	72	13.28	5
	M10	13SG10	23.5	44	31.0	10.5	30.0	11.5	24.0	87	19.70	5
300	M12	13SG12	23.5	44	31.0	13.0	30.0	24.0	24.0	87	22.72	5
	M16	13SG16	23.5	44	31.0	17.0	30.0	24.0	24.0	87	22.50	5

[▶] Tools: see chart page 55

¹ Sleeves for compacted conductors and sleeves for 3- and 4-core conductors see chapter "Sleeves for compacted and sector shaped conductors-Cu"





Tool application chart

Tubular cable lugs, butt connectors, parallel connectors and T-connectors "standard type" and tubular cable lugs for switchgear connections made from Cu

	Crimpir	ng tools			Too	l type				
Crimping range corresponds to nominal cross-section mm ²	Tools	Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)
0.5-6	K13		•						$\overline{}$	240
0.75-2.5	KP1	+KP232		•					Θ	256
	KP1L	+KP232		•					\bigcirc	256
	EKP1	+KP232				•			\bigcirc	312
	TEKP1	+KP232		•					\forall	281
	KPM15	+KP232		•					\bigcirc	282
0.75-10	K50			•					\forall	259
	EK50ML			•					\forall	278
	EK1550					•			\forall	308
	EK1550G					•			Θ	310
0.75-16	K2		•						\odot	241
1-4	K511		•						0	252
4-10	KP1	+KP242		•					\bigcirc	256
	KP1L	+KP242		•					\bigcirc	256
	EKP1	+KP242				•			\supset	312
	TEKP1	+KP242		•					\bigcirc	281
	KPM15	+KP242		•					\bigcirc	282
6-50	K5		•						⊘	243
	K05		•						\bigcirc	247
6+10	K512		•						0	252
6-150	K354			•					\bigcirc	260
	EK354					•			\bigcirc	314
	EK354L					•			\bigcirc	316
6-185	K18			•					\bigcirc	262
	HK6018				•				\bigcirc	286
	EK5018L					•			\bigcirc	320
	PK18							•	\bigcirc	362
	THK18						•		\bigcirc	362
	HK60UNV	+ UA18			•				\bigcirc	354
	EK60UNVL	+ UA18				•			\bigcirc	357
	EKM60UNVL	+ UA18				•			\bigcirc	356
	PK60UNV	+ UA18						•	\bigcirc	355
6-240	EK505L					•			\bigcirc	318

See next page





Tool application chart

Tubular cable lugs, butt connectors, parallel connectors and T-connectors "standard type" and tubular cable lugs for switchgear connections made from Cu

	Crimpii	ng tools			Tool	type				
		Ì		mechanical,						
C-ii				electrical.						
Crimping range corresponds to nominal				pneumatic, crimping tools with		Battery				
cross-section		Crimping head/	Mechanical	interchangeable	hydraulic crimping	Battery powered crimping	Hydraulic crim-	Hydraulic crim-		
mm²	Tools	Adapter	crimping tools	dies/heads	tools	tools	ping systems	ping heads	Crimp profile	(Tool)
6-300	K22			•					0	264
	HK6022				•				0	288
	EK6022L					•			0	324
	EKM6022L					•			0	322
	PK22							•	0	364
	THK22						•		0	364
	HK60UNV	+ UA22			•				0	354
	EK60UNVL	+ UA22				•			0	357
	EKM60UNVL	+ UA22				•			<u> </u>	356
10-25	PK60UNV K04	+ UA22	•					•	0	355 246
10-25	K04		•						0	249
			•		•				<u> </u>	290
10-240	HK60VP				•	•			<u> </u>	326
	EK60VPL EKM60IDL					•			$\stackrel{\square}{\otimes}$	328
	PK60VP							•	<u> </u>	366
10.05										
16-95	K08		•						0	248
	K95		•						9	242
10.000	TK95		•		•					243
16-300	HK60VPFTL				•	•			<u> </u>	291 327
						•			<u> </u>	
	PK60VPFT							•	Ω	367
16-400	HK12030				•				0	292
	HK12042				•				0	294
	HK120U				•				0	296
	EK12030L					•			0	330
	EK12042L EK120UL					•				332
						•			0	
	EK120UNVL					•			$\frac{\circ}{\circ}$	358
	HK122EL380 PK12042						•	•		390 368
									0	
	PK120U HK252							•	0	370 388
	HK252 HK252EL380						•			388
							•	•	0	
05.450	PK252									372
25-150	K09		•						\bigcirc	251
35-95	K8		•						<u>~</u>	245
50-120	K6		•						<u>~</u>	244
120-240	K7		•						<u>٠</u>	245
185-400	K07		•						<i>♦</i>	244





■ Tool application chart

Insulated tubular cable lugs and butt connectors "standard type"

	Crimpir	ng tools			Tool	type				
				mechanical,						
Crimping range				electrical, pneumatic,						
corresponds to				crimping tools	Hand	Battery				
nominal cross-section		Crimping head/	Mechanical	with interchangeable	hydraulic crimping tools	powered crimping tools	Hydraulic crim-	Hydraulic crim-		Page
mm²	Tools	Adapter	crimping tools	dies/heads	tools	tools	ping systems	ping heads	Crimp profile	(Tool)
10-70	K354			•					0	260
	EK354					•			0	314
	EK354L					•			0	316
10-95	K18			•					0	262
	HK6018				•				<u> </u>	286
	EK5018L					•			0	320
	EK505L					•			0	318
	PK18							•	0	362
	THK18						•		0	362
	HK60UNV	+ UA18			•				0	354
	EK60UNVL	+ UA18				•			0	357
	EKM60UNVL	+ UA18				•			0	356
	PK60UNV	+ UA18						•	0	355
10-150	K22			•					0	264
	HK6022				•				0	288
	EK6022L					•			0	324
	EKM6022L					•			0	322
	PK22							•	0	364
	THK22						•		0	364
	HK60UNV	+ UA22			•				0	354
	EK60UNVL	+ UA22				•			0	357
	EKM60UNVL	+ UA22				•			0	356
	PK60UNV	+ UA22						•	0	355
	HK12030				•				0	292
	HK12042				•				0	294
	HK120U				•				0	296
	EK12030L					•			0	330
	EK12042L					•			0	332
	EK120UL					•			0	334
	EK120UNVL					•			0	358
	HK122EL380						•		0	390
	PK12042							•	0	368
	PK120U							•	0	370
	HK252						•		0	388
	HK252EL380						•		0	391
	PK252							•	0	372





Tool application chart

Tubular cable lugs and butt connectors for fine stranded conductors

	Crimpir	ng tools			Tool	type				
		ĭ d								
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	electrical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)
10-35	K354			•					\forall	260
10-50	EK354					•			\forall	314
	EK354L					•			Θ	316
	K5		•						<u></u>	243
	K18			•					\forall	262
	HK6018				•				\forall	286
	EK505L					•			\forall	318
	EK5018L					•			\forall	320
	PK18							•	\forall	362
	THK18						•		\bigcirc	362
	HK60UNV	+ UA18			•				$\overline{\bigcirc}$	354
	EK60UNVL	+ UA18				•			\forall	357
	EKM60UNVL	+ UA18				•			\supset	356
	PK60UNV	+ UA18						•	$\overline{\bigcirc}$	355
10-70	K22			•					\forall	264
	HK6022				•				\bigcirc	288
	EK6022L					•			\forall	324
	EKM6022L					•			$\overline{\vee}$	322
	PK22							•	\bigcirc	364
	THK22						•		\forall	364
	HK60UNV	+ UA22			•				\forall	354
	EK60UNVL	+ UA22				•			\forall	357
	EKM60UNVL	+ UA22				•			\forall	356
	PK60UNV	+ UA22						•	\forall	355
10-240	HK60VP				•				<u> </u>	290
	EK60VPL					•			X	326
	EKM60IDL					•			\bigcirc	328
	PK60VP							•	S	366
16-95	K95		•						\forall	242
	TK95		•						\forall	243
16-150	HK12030				•				$\overline{\vee}$	292
	HK12042				•				\bigcirc	294
	HK120U				•				$\overline{\bigcirc}$	296
	EK12030L					•			\forall	330
	EK12042L					•			\odot	332
	EK120UL					•			\bigcirc	334
	EK120UNVL					•			\bigcirc	358
	PK12042							•	\odot	368
	PK120U							•	$\overline{\bigcirc}$	370
Ct									\forall	

See next page





■ Tool application chart

Tubular cable lugs and butt connectors for fine stranded conductors

	Crimpin	g tools			Tool	type				
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)
16-300	HK60VPFT				•				$\overline{\vee}$	291
	HK252						•		\bigcirc	388
	HK252EL380						•		\bigcirc	391
	EK60VPFTL					•			\square	327
	PK60VPFT							•	\square	367
	PK252							•	\bigcirc	372
35-95	K8		•						\diamond	245
50-120	K6		•						⊘	244
120-240	K7		•						\sim	245





Tool application chart

Tubular cable lugs and compression joints for solid conductors

	Crimpir	ng tools			Tool	type				
Crimping range corresponds to nominal cross-section mm² 0.75-16 1.5-4		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool) 241 239 259
1.0 10	EK50ML			•					-	278
	EK1550					•			Ö	308
	EK1550G					•			Ö	310
1.5-16	K354			•					$\overline{\circ}$	260
	EK354					•			$\overline{\bigcirc}$	314
	EK354L					•			\bigcirc	316
	K18			•					\bigcirc	262
	HK6018				•				\bigcirc	286
	EK5018L					•			\bigcirc	320
	PK18							•	\bigcirc	362
	THK18						•		\bigcirc	362
	HK60UNV	+ UA18			•				\bigcirc	354
	EK60UNVL	+ UA18				•			\bigcirc	357
	EKM60UNVL	+ UA18				•			\bigcirc	356
	PK60UNV	+ UA18						•	\bigcirc	355
	K22			•					\bigcirc	264
	HK6022				•				\bigcirc	288
	EK6022L					•			\bigcirc	324
	EKM6022L					•			\bigcirc	322
	PK22							•	\bigcirc	364
	THK22						•		0	364
	HK60UNV	+ UA22			•				0	354
	EK60UNVL	+ UA22				•			0	357
	EKM60UNVL	+ UA22				•			0	356
	PK60UNV	+ UA22						•	0	355
6-10	K94		•						0	240
25-50*	K05		•						\bigcirc	247

^{*}For sizes $25 + 35 \text{ mm}^2$, use the die size 25 mm^2 .

For size 50 mm² use die size 35 mm². We recommend 2 crimps on each side.









Our specialists.



Nickel and stainless steel tubular cable lugs.

Unique situations require unique solutions.

This is especially true in most of the diverse industrial sectors. For example in furnace construction or in the steel industry: Temperatures of several hundred degrees Celsius are very common here. Connections also have to meet special requirements in the chemical, food and maritime industries.

Klauke meets this demand with a host of solutions in nickel and stainless steel. These materials guarantee consistent electrical, chemical and mechanical properties at extremely high temperatures.



- Acid and rust-resistant stainless steel tubular cable lugs and connectors, heat resistant to 400 °C.
- Special solutions for diverse applications.



Nickel and stainless steel tubular cable lugs cover a diverse range of applications - such as industrial and shipbuilding.



■ When it gets really hot: Nickel.

- Heat resistant up to 650 °C.
- Resistant to oxidation.

Benefits:

- Nickel tubular cable lugs and butt connectors are most suitable for use in heating and annealing furnaces.
 They retain their conductivity and failures are excluded.
- Nickel connectors even guarantee safe electrical connections in aggressive environments.
- More from Page 66.

Oxidation-free and food-industry compliant: Stainless steel.

- ▶ Highly resistant to oxidation.
- ▶ Food industry-compliant.
- Resistant to seawater, acids and solvents.
- ▶ Heat resistant up to 400 °C.

Benefits:

- The cable lugs are capable of meeting the most stringent hygiene requirements in food and pharmaceutical industries.
- Stainless steel cable lugs and connectors can also be used without hesitation in both the chemical and maritime industries.
- More from Page 64.





The adequate solutions

in nickel or stainless steel.

- Up to 95 mm² nominal cross section in nickel and stainless steel.
- Customised solutions upon request.

Benefits:

- We provide suitable cable lug in the fastest possible time for a host of applications.
- You can rely on Klauke's problem-solving skills, even when it comes to meeting the most complicated requirements.



KlauKe®

Tubular cable lugs and connectors - nickel, stainless steel

Tubular cable lugs, stainless steel





- Ideal for aggressive environmental conditions, acid and rust-resistant
- Heat resistant to 400 °C

Characteristics

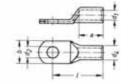
- Total cross-section: 0.5 95 mm²
- Flat contact surface by special steel punching technology
- Precise end machining for easy cable insertion

Material

■ V2A

Order info

Also available in stainless steel (V4A)



Nominal cross section	Size of bolt				Dimens	ion mm			Weight/ 100 pcs.	Packing unit/
mm ²	dia.	Part No.	d1	a	b	d2	d4	1	~ kg	pcs
0.5.4	M4	79V4	1.6	6	6.5	4.3	3.2	13	0.080	100
0.5-1	M5	79V5	1.6	6	7.5	5.3	3.2	14	0.080	100
	M4	80V4	3.0	8	9.0	4.3	5.0	17	0.260	100
1.5-2.5	M5	80V5	3.0	8	9.0	5.5	5.0	17	0.190	100
	M6	80V6	3.0	8	9.5	6.5	5.0	19	0.215	100
	M4	81V4	4.0	9	9.0	4.3	6.0	18	0.260	100
4-6	M5	81V5	4.0	9	9.5	5.5	6.0	19	0.280	100
	M6	81V6	4.0	9	10.0	6.5	6.0	19	0.280	100
	M5	82V5	5.0	10	12.5	5.5	8.0	22	0.710	100
10	M6	82V6	5.0	10	12.5	6.5	8.0	22	0.780	100
	M8	82V8	5.0	10	15.0	8.5	8.0	25	0.780	100
	M5	83V5	6.0	13	12.0	5.5	8.0	28	0.500	50
16 _	M6	83V6	6.0	13	12.0	6.5	8.0	28	0.550	50
	M8	83V8	6.0	13	15.0	8.5	8.0	29	0.600	50
25 -	M6	84V6	7.0	15	14.0	6.5	10.0	30	1.210	50
20 -	M8	84V8	7.0	15	16.0	8.5	10.0	32	1.850	50
35 -	M6	85V6	9.0	17	17.0	6.5	12.0	32	1.600	50
33	M8	85V8	9.0	17	17.0	8.5	12.0	35	1.850	50
	M6	86V6	10.0	19	20.0	6.5	14.0	37	2.800	50
50 -	M8	86V8	10.0	19	20.0	8.5	14.0	37	2.600	50
50	M10	86V10	10.0	19	20.0	10.5	14.0	39	2.800	50
	M12	86V12	10.0	19	20.0	13.0	14.0	43	2.960	50
	M8	87V8	12.0	21	23.0	8.5	16.0	43	3.650	25
70	M10	87V10	12.0	21	23.0	10.5	16.0	44	3.930	25
70 -	M12	87V12	12.0	21	23.0	13.0	16.0	46	3.850	25
_	M16	87V16	12.0	21	26.0	17.0	16.0	46	3.960	25
	M8	88V8	14.0	25	26.0	8.5	18.0	48	4.650	25
95	M10	88V10	14.0	25	26.0	10.5	18.0	48	5.610	25
_	M12	88V12	14.0	25	26.0	13.0	18.0	49	5.540	25

[▶] Tools: see chart page 68

Butt connectors, stainless steel



Tubular cable lugs and connectors - nickel, stainless steel

 \blacktriangleright Ideal for aggressive environmental conditions, acid and rust-resistant \blacktriangleright Heat resistant to 400 °C

VA

Characteristics

- Total cross-section: 0.5 95 mm²
- With buttmarks for precise cable insertion
- Precise end machining for easy cable insertion

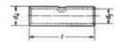
Material

■ V2A

Order info

Also available in stainless steel (V4A)





Nominal cross section			Dimension mm		Weight/ 100 pcs.	
mm ²	Part No.	d1	d4	1	~ kg	Packing unit/pcs
0.5-1	79R	1.6	3.2	25	0.135	50
1.5-2.5	80R	3.0	5.0	25	0.250	50
4-6	81R	4.0	6.0	25	0.325	50
10	82R	5.0	8.0	25	0.360	50
16	83R	6.0	8.0	30	0.510	50
25	84R	7.0	10.0	35	1.100	25
35	85R	9.0	12.0	40	1.560	25
50	86R	10.0	14.0	45	2.670	25
70	87R	12.0	16.0	50	3.400	25
95	88R	14.0	18.0	55	4.300	25

[▶] Tools: see chart page 68



Tubular cable lug, Ni





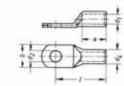
▶ Suitable for high temperatures to 650 °C

Characteristics

- Total cross-section: 0.5 95 mm²
- Flat contact surface by special steel punching technology
- Precise end machining for easy cable insertion

Material

■ High-grade nickel



Nominal cross section mm ²	Size of bolt dia.	Part No.	d1	a	Dimens b	ion mm d2	d4		Weight/ 100 pcs. ~ kg	Packing unit/
	M4	56N4	1.6	6	6.5	4.3	3.2	13	0.080	100
0.5-1	M5	56N5	1.6	6	7.5	5.3	3.2	14	0.080	100
	M4	57N4	2.3	6	7.0	4.3	3.9	13	0.105	100
1.5-2.5	M5	57N5	2.3	6	7.5	5.3	3.9	14	0.105	100
	M6	57N6	2.3	6	9.5	6.5	3.9	16	0.130	100
	M4	58N4	3.6	9	9.5	4.3	5.6	18	0.275	100
4-6	M5	58N5	3.6	9	9.5	5.3	5.6	19	0.275	100
_	M6	58N6	3.6	9	9.5	6.5	5.6	19	0.260	100
10	M5	59N5	4.5	10	12.0	5.5	6.5	21	0.340	100
10 -	M6	59N6	4.5	10	12.0	6.5	6.5	22	0.360	100
	M5	60N5	5.5	13	12.0	5.5	7.5	26	0.470	100
16	M6	60N6	5.5	13	12.0	6.5	7.5	27	0.480	100
	M8	60N8	5.5	13	13.5	8.5	7.5	29	0.560	100
25 -	M6	61N6	7.0	15	14.0	6.5	10.0	30	1.200	50
20	M8	61N8	7.0	15	16.0	8.5	10.0	32	1.320	50
35 -	M6	62N6	8.5	17	17.0	6.5	12.0	32	1.850	50
33	M8	62N8	8.5	17	17.0	8.5	12.0	34	2.000	50
F0.	M8	63N8	10.0	19	20.0	8.5	14.0	37	2.900	50
50 -	M10	63N10	10.0	19	20.0	10.5	14.0	39	3.100	50
70	M10	64N10	12.0	21	23.0	10.5	16.5	44	4.600	25
70 —	M12	64N12	12.0	21	23.0	13.0	16.5	46	4.660	25
O.E.	M10	65N10	13.5	25	26.0	10.5	18.0	48	5.550	25
95 —	M12	65N12	13.5	25	26.0	13.0	18.0	49	5,600	25

[▶] Tools: see chart page 68



Tubular cable lugs, Ni, fork type

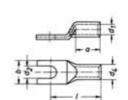
- Suitable for high temperatures to 650 °C
- ▶ Fork-type version for simple and direct screw mounting

Characteristics

- Total cross-section: 0.5 16 mm²
- Flat contact surface by special steel punching technology
- Precise end machining for easy cable insertion

High-grade nickel





Nominal cross section	Size of bolt				Dimens	ion mm	ı		Weight/ 100 pcs.	Packing unit/
mm²	dia.	Part No.	d1	a	b	d2	d4	1	~ kg	pcs
0.5-1	M4	56C4	1.6	6	6.5	4.3	3.2	13	0.070	50
0.5-1	M5	56C5	1.6	6	7.5	5.3	3.2	14	0.075	50
	M4	57C4	2.3	6	7.0	4.3	3.9	13	0.095	50
1.5-2.5	M5	57C5	2.3	6	7.5	5.3	3.9	14	0.095	50
	M6	57C6	2.3	6	9.5	6.5	3.9	16	0.110	50
	M4	58C4	3.6	9	9.5	4.3	5.6	18	0.250	50
4-6	M5	58C5	3.6	9	9.5	5.3	5.6	19	0.255	50
	M6	58C6	3.6	9	9.5	6.5	5.6	19	0.235	50
	M5	59C5	4.5	10	12.0	5.5	6.5	21	0.320	50
10 -	M6	59C6	4.5	10	12.0	6.5	6.5	22	0.340	50
	M5	60C5	5.5	13	12.0	5.5	7.5	26	0.440	50
16	M6	60C6	5.5	13	12.0	6.5	7.5	27	0.450	50
	M8	60C8	5.5	13	13.5	8.5	7.5	29	0.520	50

▶ Tools: see chart page 68

Butt connectors, Ni

Suitable for high temperatures to 650 °C

Characteristics

- Total cross-section: 0.5 16 mm²
- With buttmarks for precise cable insertion
- Precise end machining for easy cable insertion

Material

High-grade nickel



Nominal cross section			Dimension mm		Weight/ 100 pcs.	
mm²	Part No.	d1	d4		~ kg	Packing unit/pcs
0.5-1	62R	1.6	3.2	25	0.135	50
1.5-2.5	63R	2.3	3.9	25	0.170	50
4-6	64R	3.6	5.6	25	0.325	50
10	65R	4.5	6.5	25	0.360	50
16	66R	5.5	7.5	30	0.510	50

[▶] Tools: see chart page 68





Tool application chart

Tubular cable lugs and butt connectors made from stainless steel

	Crimpin	g tools			Tool	type				
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)
0.5-6	K25		•						\simeq	242
0.5-16	K354			•					Θ	260
	EK354					•			\odot	314
	EK354L					•			Θ	316
10-50	K22			•					$\overline{\bigcirc}$	264
	HK6022				•				Θ	288
	EKM6022L					•			$\overline{\bigcirc}$	322
	EK6022L					•			$\overline{\bigcirc}$	324
	PK22							•	Θ	364
	THK22						•		Θ	364
	HK60UNV	+ UA22			•				Θ	354
	EK60UNVL	+ UA22				•			Θ	357
	EKM60UNVL	+ UA22				•			\bigcirc	356
	PK60UNV	+ UA22						•	Θ	355



Tool application chart

Tubular cable lugs and butt connectors made from nickel

	Crimpir	ig tools			Tool	type				
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads		Page (Tool)
0.5-6	K25		•						\simeq	242
0.5-16	K354			•					Θ	260
	EK354					•			\bigcirc	314
	EK354L					•			$\overline{\bigcirc}$	316
10-50	K22			•					Θ	264
	HK6022				•				$\overline{\bigcirc}$	288
	EK6022L					•			\bigcirc	324
	EKM6022L					•			Θ	322
	PK22							•	\bigcirc	364
	THK22						•		Θ	364
	HK60UNV	+ UA22			•				Θ	354
	EK60UNVL	+ UA22				•			\bigcirc	357
	EKM60UNVL	+ UA22				•			$\overline{\bigcirc}$	356
	PK60UNV	+ UA22						•	\bigcirc	355









Best connections

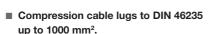
entirely to standard.



Copper compression cable lugs and connectors to DIN.

In project business, customers often request use of standardised materials. Utilities, for example, often specify use of compression cable lugs and connectors according to DIN standards. Klauke offers numerous standard-compliant solutions.

Contrary to popular belief, DIN cable lugs differ from tubular cable lugs not only in terms of dimensions. Markings and standardised coding specify the number of crimps.



- Angled compression cable lugs to DIN dimensions.
- Compression joints for non-tension connections to DIN.
- Sleeves and reducing sleeves for compacted conductors.



DIN-compliant compression cable lugs with specified identification marks for crimps.

Always to **DIN** standards.

- Nominal cross sections up to 1000 mm².
- Conforming to DIN standards, tested to IEC.
- Tin-plated or bright finish available.
- Also with barrier.

Benefits:

- ▶ The Klauke range includes DIN compression cable lugs and connectors to suit every application.
- ▶ Bright finish versions are especially suitable for installations in overvoltage or lightning protection systems.



More from Page 72.



■ Simply angled,

improved fit.

- ▶ Compression cable lugs angled at 45° and 90°.
- Nominal cross sections up to 240 mm².

Benefits:

- You will find the right solution. Even for confined and awkward situations.
- More from Page 74.

Correct crimping mark by mark.

- All DIN compression cable lugs and connectors have markings for correct crimping.
- Designation for narrow and wide crimping.
- ▶ Engraved code, cross-section and hole diameter for fast assignment.
- All compression cable lugs are annealed to optimise material and crimping characteristics.
- Manufacturer's identification for simple re-ordering.

Benefits:

- ▶ The designated crimp markings show you at a glance where and how often the connecting material has to be crimped.
- The annealed material flows more efficiently around the conductor during the crimping operation, so creating a secure connection.
- Crimping is made much easier and the tools' service life is extended due to the low mechanical strain





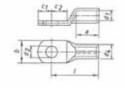
Klauke connecting materials to DIN are designated by two different crimp markings. One for narrow crimps with 6-ton tools and the other for wide crimps with 12-ton tools.



Copper compression cable lugs and connectors to DIN

Compression cable lugs acc. to DIN, Cu







- Acc. to DIN 46235
- ▶ With code number for clear tool assignment
- For round conductors e.g VDE 0295 Class 1, 2, 5 and 6
- ▶ For pre-rounded multi-stranded sector shaped conductors



Characteristics

- Total cross-section: 6 1000 mm²
- With crimp markings for correct crimping
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion

Material

■ Copper acc. to EN 13600

Surface

Tin-plated to protect against corrosion (other surfaces available upon request)

Order inf

- Bright finish version also available, part number appendix "bk"
- Item in barrier design upon request

Nominal cross section	Size of bolt						Dimens	ion mm				Weight/ 100 pcs.	Packing
mm ²	dia.	Part No.	Code	a	b	d1	d2	d4	c1	c2	1	~ kg	unit/pcs
	M 5	101R5	5	10	8.5	3.8	5.3	5.5	6.5	7.5	24	0.24	100
6	M 6	101R6	5	10	8.5	3.8	6.4	5.5	7.5	8.0	24	0.30	100
	M 8	*101R8	5	10	13.0	3.8	8.4	5.5	10.0	10.0	24	0.34	100
	M 5	102R5	6	10	9.0	4.5	5.3	6.0	7.0	8.5	27	0.37	100
10	M 6	102R6	6	10	9.0	4.5	6.4	6.0	7.5	8.5	27	0.36	100
	M 8	*102R8	6	10	13.0	4.5	8.4	6.0	10.0	10.0	27	0.38	100
	M 6	103R6	8	20	13.0	5.5	6.4	8.5	7.5	8.0	36	1.19	100
16	M 8	103R8	8	20	13.0	5.5	8.4	8.5	10.0	10.0	36	1.22	100
10	M 10	103R10	8	20	17.0	5.5	10.5	8.5	12.0	12.0	36	1.30	100
	M 12	*103R12	8	20	18.0	5.5	13.0	8.5	13.0	13.0	36	1.27	100
	M 6	104R6	10	20	14.0	7.0	6.4	10.0	7.5	8.0	38	1.51	50
05	M 8	104R8	10	20	16.0	7.0	8.4	10.0	10.0	10.0	38	1.54	50
25	M 10	104R10	10	20	17.0	7.0	10.5	10.0	12.0	12.0	38	1.62	50
	M 12	104R12	10	20	19.0	7.0	13.0	10.0	13.0	13.0	38	1.66	25
-	M 6	*105R6	12	20	17.0	8.2	6.4	12.5	7.5	8.0	42	2.77	50
	M 8	105R8	12	20	17.0	8.2	8.4	12.5	10.0	10.0	42	2.85	50
35	M 10	105R10	12	20	19.0	8.2	10.5	12.5	12.0	12.0	42	2.84	50
	M 12	105R12	12	20	21.0	8.2	13.0	12.5	13.0	13.0	42	2.79	50
	M 14	*105R14	12	20	21.0	8.2	15.0	12.5	14.5	14.5	42	2.70	25
	M 8	106R8	14	28	20.0	10.0	8.4	14.5	10.0	10.0	52	4.46	50
	M 10	106R10	14	28	22.0	10.0	10.5	14.5	12.0	12.0	52	4.48	50
50	M 12	106R12	14	28	24.0	10.0	13.0	14.5	13.0	13.0	52	4.40	50
	M 14	*106R14	14	28	24.0	10.0	15.0	14.5	14.5	14.5	52	4.30	25
	M 16	106R16	14	28	28.0	10.0	17.0	14.5	16.0	16.0	52	4.57	25
	M 8	107R8	16	28	24.0	11.5	8.4	16.5	10.0	10.0	55	5.92	50
	M 10	107R10	16	28	24.0	11.5	10.5	16.5	12.0	12.0	55	6.02	50
70	M 12	107R12	16	28	24.0	11.5	13.0	16.5	13.0	13.0	55	5.89	50
	M 14	*107R14	16	28	24.0	11.5	15.0	16.5	14.5	14.5	55	5.80	25
	M 16	107R16	16	28	30.0	11.5	17.0	16.5	16.0	16.0	55	6.13	25
	M 8	108R8*	18	35	28.0	13.5	8.4	19.0	12.0	12.0	65	9.21	25
	M 10	108R10	18	35	28.0	13.5	10.5	19.0	12.0	12.0	65	8.97	50
95	M 12	108R12	18	35	28.0	13.5	13.0	19.0	13.0	13.0	65	8.62	50
	M 14	*108R14	18	35	28.0	13.5	15.0	19.0	14.5	14.5	65	8.78	25
	M 16	108R16	18	35	32.0	13.5	17.0	19.0	16.0	16.0	65	9.00	50



Compression cable lugs acc. to DIN, Cu

Nominal	Size of						Dimens	ion mm				Weight/	Packing
cross section mm ²	bolt dia.	Part No.	Code	a	b	d1	d2	d4	c1	c2	1	100 pcs. ~ kg	unit/pcs
	M 10	109R10	20	35	32.0	15.5	10.5	21.0	15.0	16.0	70	11.40	50
-	M 12	109R12	20	35	32.0	15.5	13.0	21.0	16.0	17.0	70	11.31	50
120	M 14	*109R14	20	35	32.0	15.5	15.0	21.0	18.0	19.0	70	11.45	25
	M 16	109R16	20	35	32.0	15.5	17.0	21.0	19.0	20.0	70	11.24	50
-	M 20	109R20	20	35	38.0	15.5	21.0	21.0	21.0	22.0	70	11.03	25
	M 10	110R10	22	35	34.0	17.0	10.5	23.5	15.0	16.0	78	16.38	10
-	M 12	110R12	22	35	34.0	17.0	13.0	23.5	16.0	17.0	78	16.29	25
150	M 14	*110R14	22	35	34.0	17.0	15.0	23.5	19.0	20.0	78	16.38	10
-	M 16	110R16	22	35	34.0	17.0	17.0	23.5	19.0	20.0	78	16.17	10
	M 20	110R20	22	35	40.0	17.0	21.0	23.5	21.0	22.0	78	15.90	10
	M 10	111R10	25	40	37.0	19.0	10.5	25.5	15.0	16.0	82	18.96	10
	M 12	111R12	25	40	37.0	19.0	13.0	25.5	16.0	17.0	82	18.11	10
185	M 14	*111R14	25	40	37.0	19.0	15.0	25.5	19.0	20.0	82	19.21	10
	M 16	111R16	25	40	37.0	19.0	17.0	25.5	19.0	20.0	82	18.74	25
_	M 20	111R20	25	40	40.0	19.0	21.0	25.5	21.0	22.0	82	18.69	10
240 —	M 12	112R12	28	40	42.0	21.5	13.0	29.0	16.0	17.0	92	27.00	10
	M 14	*112R14	28	40	42.0	21.5	15.0	29.0	19.0	20.0	92	27.58	10
	M 16	112R16	28	40	42.0	21.5	17.0	29.0	19.0	20.0	92	27.37	25
	M 20	112R20	28	40	45.0	21.5	21.0	29.0	21.0	22.0	92	26.88	10
	M 14	*113R14	32	50	46.0	24.5	15.0	32.0	19.0	22.0	100	33.29	5
300	M 16	113R16	32	50	46.0	24.5	17.0	32.0	19.0	22.0	100	32.94	5
	M 20	113R20	32	50	46.0	24.5	21.0	32.0	22.0	22.0	100	33.24	5
	M 14	*114R14	38	70	54.0	27.5	15.0	38.5	25.0	25.0	115	69.38	5
400	M 16	114R16	38	70	54.0	27.5	17.0	38.5	25.0	25.0	115	68.54	5
	M 20	114R20	38	70	54.0	27.5	21.0	38.5	25.0	25.0	115	65.40	5
500 -	M 16	*115R16	42	70	60.0	31.0	17.0	42.0	25.0	25.0	125	83.31	1
300	M 20	115R20	42	70	60.0	31.0	21.0	42.0	25.0	25.0	125	81.58	1
625	M 16	*116R16	44	80	64.0	34.5	17.0	44.0	25.0	25.0	135	79.60	1
020	M 20	116R20	44	80	64.0	34.5	21.0	44.0	25.0	25.0	135	79.69	1
800 -	M 16	*117R16	52	100	75.0	40.0	17.0	52.0	30.0	30.0	165	150.00	1
000	M 20	117R20	52	100	75.0	40.0	21.0	52.0	30.0	30.0	165	149.00	1
1000 -	M 16	*118R16	58	100	83.0	44.0	17.0	58.0	30.0	30.0	165	199.00	1
1000	M 20	118R20	58	100	83.0	44.0	21.0	58.0	30.0	30.0	165	195.00	1

^{* =} not standardized

^{▶ 10-800} mm² IEC tested

¹ Sleeves for compacted conductors and sleeves for 3- and 4-core conductors see chapter "Sleeves for compacted and sector shaped conductors-Cu"

[▶] Tools: see chart page 84

KlauKe®

Copper compression cable lugs and connectors to DIN

Angle compression cable lugs, Cu, 90° angled







- Tube dimensions according to DIN 46235
 - With code number for clear tool assignment
 - For round conductors e.g VDE 0295 Class 1, 2, 5 and 6
 - ▶ For pre-rounded multi-stranded sector shaped conductors
 - ▶ Flat contact surface by special angle punching process

Characteristics

- Total cross-section: 6 240 mm²
- With crimp markings for correct crimping
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion

Material

■ Copper acc. to EN 13600

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Order info

■ Bright finish version also available, part number appendix "bk"

Nominal cross section	Size of bolt					[imension mr	n			Weight/ 100 pcs.	Packing
mm ²	dia.	Part No.	Code	a	b	d1	d2	d4	c1	13	~ kg	unit/pcs
6	M 5	161R5	5	10	8.5	3.8	5.3	5.5	6.5	9	0.28	50
0	M 6	161R6	5	10	8.5	3.8	6.4	5.5	7.5	10	0.32	50
	M 5	162R5	6	10	9.0	4.5	5.3	6.0	7.0	10	0.34	50
10	M 6	162R6	6	10	9.0	4.5	6.4	6.0	7.5	10	0.35	50
	M 8	162R8	6	10	13.0	4.5	.0	6.0	10.0	13	0.37	50
	M 6	163R6	8	20	13.0	5.5	6.4	8.5	7.5	11	1.20	50
16	M 8	163R8	8	20	13.0	5.5	8.4	8.5	10.0	13	1.30	50
10	M 10	163R10	8	20	17.0	5.5	10.5	8.5	12.0	15	1.40	50
	M 12	163R12	8	20	18.0	5.5	13.0	8.5	13.0	18	1.33	50
	M 6	164R6	10	20	14.0	7.0	6.4	10.0	7.5	11	1.54	25
0.5	M 8	164R8	10	20	16.0	7.0	8.4	10.0	10.0	13	1.60	25
25	M 10	164R10	10	20	17.0	7.0	10.5	10.0	12.0	15	1.63	25
	M 12	164R12	10	20	19.0	7.0	13.0	10.0	13.0	18	1.70	25
	M 8	165R8	12	20	17.0	8.2	8.4	12.5	10.0	13	2.72	25
	M 10	165R10	12	20	19.0	8.2	10.5	12.5	12.0	15	2.76	25
35	M 12	165R12	12	20	21.0	8.2	13.0	12.5	13.0	18	2.85	25
35 -	M 14	165R14	12	20	21.0	8.2	15.0	12.5	14.5	20	2.92	25
	M 8	166R8	14	28	20.0	10.0	8.4	14.5	10.0	16	4.39	25
	M 10	166R10	14	28	22.0	10.0	10.5	14.5	12.0	16	4.46	25
50	M 12	166R12	14	28	24.0	10.0	13.0	14.5	13.0	18	4.49	25
	M 14	166R14	14	28	24.0	10.0	15.0	14.5	14.5	20	4.73	25
	M 16	166R16	14	28	28.0	10.0	17.0	14.5	16.0	22	4.66	25
	M 8	167R8	16	28	24.0	11.5	8.4	16.5	10.0	14	5.92	25
	M 10	167R10	16	28	24.0	11.5	10.5	16.5	12.0	16	6.31	25
70	M 12	167R12	16	28	24.0	11.5	13.0	16.5	13.0	18	6.34	25
	M 14	167R14	16	28	24.0	11.5	15.0	16.5	14.5	20	6.50	25
	M 16	167R16	16	28	30.0	11.5	17.0	16.5	16.0	22	6.63	25
	M 10	168R10	18	35	28.0	13.5	10.5	19.0	12.0	17	9.03	25
95	M 12	168R12	18	35	28.0	13.5	13.0	19.0	13.0	18	9.27	25
90	M 14	168R14	18	35	28.0	13.5	15.0	19.0	14.5	20	9.06	25
	M 16	168R16	18	35	32.0	13.5	17.0	19.0	16.0	22	9.18	25



Angle compression cable lugs, Cu, 90° angled

Nominal cross section	Size of bolt					D	imension m	m			Weight/ 100 pcs.	Packing
mm ²	dia.	Part No.	Code	a	b	d1	d2	d4	c1	13	~ kg	unit/pcs
	M 10	169R10	20	35	32.0	15.5	10.5	21.0	15.0	17	10.41	10
	M 12	169R12	20	35	32.0	15.5	13.0	21.0	16.0	18	10.65	10
120	M 14	169R14	20	35	32.0	15.5	15.0	21.0	18.0	20	10.75	10
	M 16	169R16	20	35	32.0	15.5	17.0	21.0	19.0	22	10.72	10
	M 20	169R20	20	35	38.0	15.5	21.0	21.0	21.0	24	11.00	10
	M 10	170R10	22	35	34.0	17.0	10.5	23.5	15.0	17	14.18	10
	M 12	170R12	22	35	34.0	17.0	13.0	23.5	16.0	18	14.33	10
150	M 14	170R14	22	35	34.0	17.0	15.0	23.5	19.0	20	15.60	10
	M 16	170R16	22	35	34.0	17.0	17.0	23.5	19.0	22	15.24	10
	M 20	170R20	22	35	40.0	17.0	21.0	23.5	21.0	24	15.70	10
	M 10	171R10	25	40	37.0	19.0	10.5	25.5	15.0	22	18.60	10
	M 12	171R12	25	40	37.0	19.0	13.0	25.5	16.0	22	18.69	10
185	M 14	171R14	25	40	37.0	19.0	15.0	25.5	19.0	22	19.10	10
	M 16	171R16	25	40	37.0	19.0	17.0	25.5	19.0	22	19.00	10
	M 20	171R20	25	40	40.0	19.0	21.0	25.5	21.0	24	18.72	10
	M 12	172R12	28	40	42.0	21.5	13.0	29.0	16.0	22	25.09	10
040	M 14	172R14	28	40	42.0	21.5	15.0	29.0	19.0	22	25.70	10
240	M 16	172R16	28	40	42.0	21.5	17.0	29.0	19.0	22	24.96	10
	M 20	172R20	28	40	45.0	21.5	21.0	29.0	21.0	24	25.26	10

^{▶ 10-240} mm² IEC tested

¹ Sleeves for compacted conductors and sleeves for 3- and 4-core conductors see chapter "Sleeves for compacted and sector shaped conductors-Cu"

[▶] Tools: see chart page 84

KlauKe®

Copper compression cable lugs and connectors to DIN

Angle compression cable lugs, Cu, 45° angled







- Tube dimensions according to DIN 46235
 - With code number for clear tool assignment
 - For round conductors e.g VDE 0295 Class 1, 2, 5 and 6
 - ▶ For pre-rounded multi-stranded sector shaped conductors
 - ▶ Flat contact surface by special angle punching process

Characteristics

- Total cross-section: 6 240 mm²
- With crimp markings for correct crimping
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion

Material

■ Copper acc. to EN 13600

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Order info

■ Bright finish version also available, part number appendix "bk"

Nominal cross section	Size of bolt						imension mr	m			Weight/ 100 pcs.	Packing
mm ²	dia.	Part No.	Code	a	b	d1	d2	d4	c1	13	~ kg	unit/pcs
6 -	M 5	161R545	5	10	8.5	3.8	5.5	5.5	6.5	9	0.32	50
0	M 6	161R645	5	10	8.5	3.8	6.5	5.5	7.5	10	0.34	50
	M 5	162R545	6	10	9.0	4.5	5.5	6.0	7.0	10	0.36	50
10	M 6	162R645	6	10	9.0	4.5	6.5	6.0	7.5	10	0.35	50
	M 8	162R845	6	10	13.0	4.5	8.5	6.0	10.0	13	0.39	50
	M 6	163R645	8	20	13.0	5.5	6.5	8.5	7.5	11	1.20	50
16 -	M 8	163R845	8	20	13.0	5.5	8.5	8.5	10.0	13	0.28	50
16 -	M 10	163R1045	8	20	17.0	5.5	10.5	8.5	12.0	15	1.34	50
	M 12	163R1245	8	20	18.0	5.5	13.0	8.5	13.0	18	1.35	50
	M 6	164R645	10	20	14.0	7.0	6.5	10.0	7.5	11	1.49	25
25 -	M 8	164R845	10	20	16.0	7.0	8.5	10.0	10.0	13	1.60	25
25 -	M 10	164R1045	10	20	17.0	7.0	10.5	10.0	12.0	15	1.64	25
-	M 12	164R1245	10	20	19.0	7.0	13.0	10.0	13.0	18	1.73	25
35 —	M 8	165R845	12	20	17.0	8.2	8.5	12.5	10.0	13	2.72	25
	M 10	165R1045	12	20	19.0	8.2	10.5	12.5	12.0	15	2.92	25
35 -	M 12	165R1245	12	20	21.0	8.2	13.0	12.5	13.0	18	2.98	25
35 —	M 14	165R1445	12	20	21.0	8.2	15.0	12.5	14.5	20	3.03	25
	M 8	166R845	14	28	20.0	10.0	8.5	14.5	10.0	13	4.63	25
-	M 10	166R1045	14	28	22.0	10.0	10.5	14.5	12.0	16	4.84	25
50	M 12	166R1245	14	28	24.0	10.0	13.0	14.5	13.0	18	4.94	25
-	M 14	166R1445	14	28	24.0	10.0	15.0	14.5	14.5	20	4.96	25
-	M 16	166R1645	14	28	28.0	10.0	17.0	14.5	16.0	22	4.92	25
	M 8	167R845	16	28	24.0	11.5	8.5	16.5	10.0	14	6.40	25
-	M 10	167R1045	16	28	24.0	11.5	10.5	16.5	12.0	16	6.76	25
70	M 12	167R1245	16	28	24.0	11.5	13.0	16.5	13.0	18	6.90	25
-	M 14	167R1445	16	28	24.0	11.5	15.0	16.5	14.5	20	6.72	25
-	M 16	167R1645	16	28	30.0	11.5	17.0	16.5	16.0	22	6.96	25
	M 10	168R1045	18	35	28.0	13.5	10.5	19.0	12.0	17	9.64	25
-	M 12	168R1245	18	35	28.0	13.5	13.0	19.0	13.0	18	9.21	25
95 -	M 14	168R1445	18	35	28.0	13.5	15.0	19.0	14.5	20	9.51	25
-	M 16	168R1645	18	35	32.0	13.5	17.0	19.0	16.0	22	9.40	25



Angle compression cable lugs, Cu, 45° angled

Nominal cross section	Size of					[Dimension mr	n			Weight/ 100 pcs.	Packing
mm ²	dia.	Part No.	Code	a	b	d1	d2	d4	c1	13	~ kg	unit/pcs
	M 10	169R1045	20	35	32.0	15.5	10.5	21.0	15.0	17	11.09	10
	M 12	169R1245	20	35	32.0	15.5	13.0	21.0	16.0	18	11.45	10
120	M 14	169R1445	20	35	32.0	15.5	15.0	21.0	18.0	20	11.55	10
	M 16	169R1645	20	35	32.0	15.5	17.0	21.0	19.0	22	11.76	10
-	M 20	169R2045	20	35	38.0	15.5	21.0	21.0	21.0	24	11.55	10
	M 10	170R1045	22	35	34.0	17.0	10.5	23.5	15.0	17	15.93	10
-	M 12	170R1245	22	35	34.0	17.0	13.0	23.5	16.0	18	16.08	10
150	M 14	170R1445	22	35	34.0	17.0	15.0	23.5	19.0	20	16.38	10
	M 16	170R1645	22	35	34.0	17.0	17.0	23.5	19.0	22	16.90	10
_	M 20	170R2045	22	35	40.0	17.0	21.0	23.5	21.0	24	16.49	10
	M 10	171R1045	25	40	37.0	19.0	10.5	25.5	15.0	22	20.16	10
	M 12	171R1245	25	40	37.0	19.0	13.0	25.5	16.0	22	19.60	10
185	M 14	171R1445	25	40	37.0	19.0	15.0	25.5	19.0	22	20.05	10
	M 16	171R1645	25	40	37.0	19.0	17.0	25.5	19.0	22	19.68	10
	M 20	171R2045	25	40	40.0	19.0	21.0	25.5	21.0	24	19.95	10
	M 12	172R1245	28	40	42.0	21.5	13.0	29.0	16.0	22	26.46	10
240 -	M 14	172R1445	28	40	42.0	21.5	15.0	29.0	19.0	22	26.99	10
240 -	M 16	172R1645	28	40	42.0	21.5	17.0	29.0	19.0	22	26.92	10
-	M 20	172R2045	28	40	45.0	21.5	21.0	29.0	21.0	24	26.88	10

- ▶ 10-240 mm² IEC tested
- 1 Sleeves for compacted conductors and sleeves for 3- and 4-core conductors see chapter "Sleeves for compacted and sector shaped conductors-Cu"
- ► Tools: see chart page 84

Compression cable lugs DIN special type, Cu, with 2 long holes

- Tube dimensions according to DIN 46235
- With code number for clear tool assignment
- For round conductors e.g VDE 0295 Class 1, 2, 5 and 6
- ▶ For pre-rounded multi-stranded sector shaped conductors

Characteristics

- Total cross-section: 70 240 mm²
- With crimp markings for correct crimping
- Annealed material optimises material and crimping properties
- Flat contact surface by special pressing technique
- Precise end machining for easy cable insertion

Material

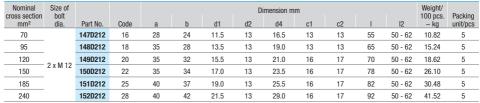
■ Copper acc. to EN 13600

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Order info

■ Bright finish version also available, part number appendix "bk"



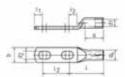


> Tools: see chart page 84











Compression cable lugs, special type, Cu, with one hole, double crimping





Special design for mounting of 2 multi-stranded cables according to VDE 0295 Class 2

Characteristics

- Total cross-section: 2 x 50 2 x 120 mm²
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion

Copper acc. to EN 13600

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Bright finish version also available, part number appendix "bk"

Nominal cross section mm ²	Size of bolt dia.	Part No.	Code	a	b	d2	Dimens c1	ion mm c2	ı	Н	В	Weight/ 100 pcs. ~ kg	Packing unit/pcs
2 x 50		136DP12	22 DP	35	34	13	16	17	78	10.0	20	16.30	5
2 x 70	11.40	137DP12	24 DP	40	37	13	16	17	82	11.5	23	18.90	5
2 x 95	M 12	138DP12	29 DP	40	42	13	16	17	92	13.5	27	27.12	5
2 x 120		139DP12	32 DP	50	48	13	19	22	100	15.5	31	33.50	5

[▶] Tools: see chart page 85

Compression cable lugs, special type, Cu, with two long holes, double crimping



Special design for mounting of 2 multi-stranded cables according to VDE 0295 Class 2





Characteristics

- Total cross-section: 2 x 50 2 x 120 mm²
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion
- Flat contact surface by special pressing technique

■ Copper acc. to EN 13600

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Order info

■ Bright finish version also available, part number appendix "bk"

No	minal cross section mm²	Size of bolt dia.	Part No.	Code	a	b	d2	D c1	imension m	m I	12	н	В	Weight/ 100 pcs. ~ kg	Packing unit/pcs
	2 x 50		136DP212	22 DP	35	34	13	16	17	78	50 - 62	10.0	20	23.20	5
	2 x 70	0 M 10	137DP212	24 DP	40	37	13	16	17	82	50 - 62	11.5	23	29.64	5
	2 x 95	2 x M 12	138DP212	29 DP	40	42	13	16	17	92	50 - 62	13.5	27	38.50	5
	2 x 120		139DP212	32 DP	50	48	13	19	22	100	50 - 62	15.5	31	45.80	5

[▶] Tools: see chart page 85



Compression joints acc. to DIN, Cu

- Acc. to DIN 46267, part 1
- With code number for clear tool assignment
- With crimp markings for correct crimping

Characteristics

- Total cross-section: 6 1000 mm²
- With buttmarks for precise cable insertion
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion

Material

■ Copper acc. to EN 13600

Surface

■ Tin-plated

Order info

Bright finish version also available, part number appendix "bk"



DIN







Nominal cross section				Dimension mm		Weight/ 100 pcs.	
mm ²	Part No.	Code	d1	d4	1	~ kg	Packing unit/pcs
6	121R	5	3.8	5.5	30	0.31	100
10	122R	6	4.5	6.0	30	0.34	100
16	123R	8	5.5	8.5	50	1.45	100
25	124R	10	7.0	10.0	50	1.77	50
35	125R	12	8.2	12.5	50	2.89	50
50	126R	14	10.0	14.5	56	4.26	50
70	127R	16	11.5	16.5	56	5.41	50
95	128R	18	13.5	19.0	70	8.62	25
120	129R	20	15.5	21.0	70	9.66	25
150	130R	22	17.0	23.5	80	14.50	10
185	131R	25	19.0	25.5	85	17.00	10
240	132R	28	21.5	29.0	90	23.41	10
300	133R	32	24.5	32.0	100	29.23	5
400	134R	38	27.5	38.5	150	74.32	5
500	135R	42	31.0	42.0	160	89.09	1
625	136R	44	34.5	44.0	160	79.10	1
800	137R	52	40.0	52.0	200	151.00	1
1000	138R	58	44.0	58.0	200	198.00	1

^{▶ 10-800} mm² IEC tested

¹ Sleeves for compacted conductors and sleeves for 3- and 4-core conductors see chapter "Sleeves for compacted and sector shaped conductors-Cu"

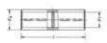
¹ Reduction sleeves to connect different cross sections can be found on page 83

> Tools: see chart page 84

KlauKe®

Compression joints, Cu







- Barrier design with oil stop
- Tube dimension to DIN 46267 part 1
- With code number for clear tool assignment



Characteristics

- Total cross-section: 16 625 mm²
- For non-tension connections
- With crimp markings for correct crimping
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion

Material

■ Copper acc. to EN 13600

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Order info

■ Bright finish version also available, part number appendix "bk"

Nominal cross section				Dimension mm		Weight/ 100 pcs.	
mm²	Part No.	Code	d1	d4	1	~ kg	Packing unit/pcs
16	523R	8	5.5	8.5	50	1.54	25
25	524R	10	7.0	10.0	50	1.84	25
35	525R	12	8.2	12.5	50	2.99	25
50	526R	14	10.0	14.5	56	4.46	25
70	527R	16	11.5	16.5	56	5.61	25
95	528R	18	13.5	19.0	70	8.88	25
120	529R	20	15.5	21.0	70	10.06	5
150	530R	22	17.0	23.5	80	14.89	5
185	531R	25	19.0	25.5	85	17.57	5
240	532R	28	21.5	29.0	90	24.23	5
300	533R	32	24.5	32.0	100	30.15	5
400	534R	38	27.5	38.5	150	75.60	5
500	535R	42	31.0	42.0	160	92.00	1
625	536R	44	34.5	44.0	160	81.50	1

¹ Sleeves for compacted conductors and sleeves for 3- and 4-core conductors see chapter "Sleeves for compacted and sector shaped conductors-Cu"

¹ Reduction sleeves to connect different cross sections can be found at 83

[►] Tools: see chart page 84



Compression joint for cable connections 10-30 kV, copper

- Tube dimension to DIN 46267 part 1
- With code number for clear tool assignment
- For copper medium-voltage cable connections 10-30 kV
- With bevelled edges for reduced winding expenditure for the assembly

Characteristics

- Total cross-section: 25 400 mm²
- For non-tension connections
- Also available as barrier design with oil stop
- With crimp markings for correct crimping
- Annealed material optimises material and crimping properties
- Precise end machining for easy cable insertion

Material

■ Copper acc. to EN 13600

Surface

■ Bright finished

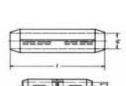
Order info

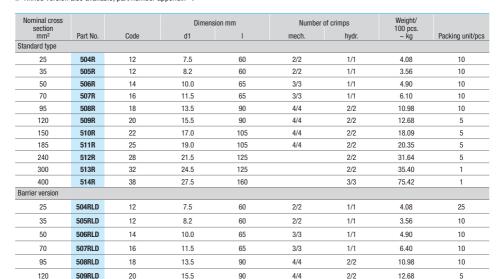
■ Tinned version also available, part number appendix "v"











105

105

125

125

160

4/4

4/4

2/2

2/2

2/2

2/2

3/3

18.84

20.35

31.64

35.40

75.42

5

5

5

1

1

• Reduction sleeves to connect different cross sections can be found at page 83

22

25

28

32

17.0

19 0

21.5

24.5

27.5

Tools: see chart page 84

150

185

240

300

400

510RLD

511RLD

512RLD

513RLD

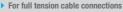
514RLD



Compression joints acc. to DIN, Cu







- Acc. to DIN 48085, part 1
- ▶ With code number for clear tool assignment



Characteristics

- Total cross-section: 6 300 mm²
- With crimp markings for correct crimping
- Precise end machining for easy cable insertion

Material

■ Copper acc. to EN 13600

Surface

■ Bright finished

Nominal cross section				Dimension mm		Number o	f crimps	Conductor dia.	Weight/ 100 pcs.	Packing unit/
mm²	Part No.	Code	d1	d4		mech.	hydr.	mm	~ kg	pcs
6	*181R	6	3.5	6.5	65	4/4		3.00	1.4	10
10	182R	8	4.5	8.5	80	5/5		4.05	3.0	10
16	183R	8	5.5	8.5	95	5/5		5.10	2.8	10
25	184R	10	7.0	10.0	95	5/5		6.30	3.4	10
35	185R	12	8.2	12.5	95	5/5		7.50	5.6	10
50	186R	14	10.0	14.5	110	5/5		9.00	8.6	10
70	187R	16	11.5	16.5	110	5/5		10.50	10.8	10
95	188R	20	13.5	21.0	145	8/8	4/4	12.50	26.2	10
120	189R	22	15.0	23.5	160	8/8	4/4	14.00	36.8	10
150	190R	25	16.5	25.5	180	8/8	4/4	15.70	47.5	5
185	*191R	32	18.5	31.5	260		5/5	17.50	118.0	5
240	*192R	34	21.0	34.5	310		6/6	20.20	163.0	5
300	*193R	38	23.5	38.5	360			22.50	235.0	1

^{* =} not standardized

^{▶ 16-70} mm² IEC tested

[▶] Tools: see chart page 84



Reduction sleeves, Cu

- For multi-stranded conductors e.g. VDE 0295 Class 2
- ▶ For connecting different conductor cross-sections
- ▶ For use in DIN compression joints and connectors, standard type

Characteristics

- Total cross-section: 25 400 mm²
- For non-tension connections
- Precise end machining for easy cable insertion

Material

■ Copper acc. to EN 13600

Surface

■ Bright finished





	Nominal cross section mm ²	Nominal cross section mm ²		Dimension mm		Weight/ 100 pcs.	
Part No.	from	to	d1	d4	1	~ kg	Packing unit/pcs
RH2510	25	10	4.6	6.6	25	0.358	25
RH2516	25	16	5.5	6.6	25	0.350	25
RH3510	35	10	4.5	8.0	25	0.707	25
RH3516	35	16	5.5	8.0	25	0.570	25
RH3525	35	25	7.0	8.0	25	0.253	25
RH5016	50	16	5.5	9.5	33	1.326	25
RH5025	50	25	7.0	9.5	33	0.923	25
RH5035	50	35	8.5	9.5	33	0.404	25
RH7025	70	25	7.0	11.0	33	1.580	25
RH7035	70	35	8.5	11.0	33	1.102	25
RH7050	70	50	10.0	11.0	33	0.486	25
RH9535	95	35	8.5	13.0	45	2.940	25
RH9550	95	50	10.0	13.0	45	2.136	25
RH9570	95	70	11.5	13.0	45	1.100	25
RH12050	120	50	10.0	15.0	45	3.802	25
RH12070	120	70	11.5	15.0	45	2.874	25
RH12095	120	95	13.5	15.0	45	1.340	25
RH15070	150	70	11.5	16.5	53	5.008	5
RH15095	150	95	13.5	16.5	53	3.212	5
RH150120	150	120	15.5	16.5	53	1.248	5
RH18595	185	95	13.5	18.5	53	5.824	5
RH185120	185	120	15.5	18.5	53	3.756	5
RH185150	185	150	17.0	18.5	53	1.660	5
RH240120	240	120	15.5	21.0	55	7.412	5
RH240150	240	150	17.0	21.0	55	5.740	5
RH240185	240	185	19.0	21.0	55	3.036	5
RH300150	300	150	17.0	24.0	58	11.200	5
RH300185	300	185	19.0	24.0	58	8.390	5
RH300240	300	240	21.5	24.0	58	4.526	5
RH400185	400	185	19.0	27.0	80	20.100	5
RH400240	400	240	21.5	27.0	80	14.270	5
RH400300	400	300	24.5	27.0	80	8.800	5

[•] Please observe instructions in technical appendix / notes for fitting of connecting materials on page i-7





Tool application chart

Compression cable lugs and compression joints

	Crimpir	ng tools			Too	l type				
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)
6-50	K05D		•						\bigcirc	247
6-120	K354			•					\bigcirc	260
	EK354					•			\bigcirc	314
	EK354L					•			\bigcirc	316
6-185	K18			•					\bigcirc	262
	HK6018				•				\bigcirc	286
	EK505L					•			\bigcirc	318
	EK5018L					•			\bigcirc	320
	PK18							•	\bigcirc	362
	THK18						•		\bigcirc	362
	HK60UNV	+ UA18			•				\bigcirc	354
	EK60UNVL	+ UA18				•			\bigcirc	357
	EKM60UNVL	+ UA18				•			\bigcirc	356
	PK60UNV	+ UA18						•	\bigcirc	355
6-240	K22			•					\bigcirc	264
	HK6022				•				\bigcirc	288
	EK6022L					•			\bigcirc	324
	EKM6022L					•			\bigcirc	322
	PK22							•	\bigcirc	364
	THK22						•		\bigcirc	364
	HK60UNV	+ UA22			•				\bigcirc	354
	EK60UNVL	+ UA22				•			\bigcirc	357
	EKM60UNVL	+ UA22				•			\bigcirc	356
	PK60UNV	+ UA22						•	\bigcirc	355
	HK12030				•				\bigcirc	292
	HK12042				•				\bigcirc	294
	HK120U				•				\bigcirc	296
	EK12030L					•			\bigcirc	330
	EK12042L					•			\bigcirc	332
	EK120UL					•			\bigcirc	334
	HK122EL380						•		\bigcirc	390
	PK12042							•	\bigcirc	368
	PK120U							•	\circ	370
10-120	K06D		•						\bigcirc	250
16-95	K08D		•						\bigcirc	248
16-300	EK120UNVL					•			\bigcirc	358
	HK252						•		\bigcirc	388
16-625	HK252EL380						•		\bigcirc	391
	PK252							•	\bigcirc	372





Tool application chart

	Crimpin	g tools		Tool type							
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)	
25-150	K09D		•						\bigcirc	251	
120-1000	HK45				•				\bigcirc	389	
	PK45							•	\bigcirc	374	



■ Tool application chart

Double compression cable lugs

	Crimpin	ng tools			Tool	l type				
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)
2x50-2x70	K22			•					0	264
	HK6022				•				0	288
	EK6022L					•			0	324
	EKM6022L					•			0	322
	PK22							•	0	364
	THK22						•		0	364
	HK60UNV	+ UA22			•				0	354
	EK60UNVL	+ UA22				•			0	357
	EKM60UNVL	+ UA22				•			0	356
	PK60UNV	+ UA22						•	0	355
2x50-2x95	HK12030				•				0	292
	HK12042				•				0	294
	HK120U				•				0	296
	EK12030L					•			0	330
	EK12042L					•			0	332
	EK120UL					•			0	334
	EK120UNVL					•			0	358
	HK122EL380						•		0	390
	PK12042							•	0	368
	PK120U							•	0	370
2x50-2x120	HK252						•		0	388
	HK252EL380						•		0	391
	PK252							•	0	372



One design,

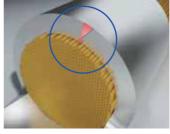
a host of quality features.



Solderless terminals to DIN 46234 and pin terminals to DIN 46230.

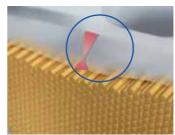
Klauke solderless terminals to DIN 46234 are the ideal solution for processing multi-stranded, fine stranded and superfine stranded conductors. Depending on the application, Klauke pin terminals to DIN 46230 are also the ideal solution for multi-stranded and fine stranded conductors. Special fork-type versions are also available.

All cable lugs are punched from highly conductive copper plate, hard soldered in the crimping area and equipped with a special grooved profile. The tin-plated finish ensures optimised protection against oxidation. The material is designed for continuous operation up to 120 °C.



The hard-soldered crimping area guarantees optimised stability. The soldering shows no signs of cracking, even after the crimping operation and the corresponding mechanical strain.

- Hard-soldered solderless terminals and pin terminals with a grooved profile in the crimping area.
- Versions with halogen-free polyamide insulation.
- Special design for meter connections.
- Special connectors to DIN 46341 Form A and B.



Quality in detail.

- With grooved profile on the inside.
- Hard-soldered in the crimping area.
- Solderless terminals with nominal cross sections from 0.5 mm² to 240 mm².
- ▶ Pin terminals with nominal cross sections from 0.5 mm² to 95 mm².

Benefits:

- ▶ Higher tensile strength due to internal grooved profile.
- No splitting of terminals during indent crimping on the soldered seam.
- Multi-stranded, fine stranded and superfine stranded conductors allow quick and trouble-free assembly.
- This comparatively short design is the ideal solution for control cabinet connections.

■ A host of advantages with **polyamide insulation.**





Entire surface tin-plated.

- No hydrochloric acid-containing vapours in case of fire.
- Fine stranded conductors can be inserted quickly without individual wires being bent back.
- No reduction of cross section by bent wires.
- No insulation damage during crimping.
- The connecting materials do not break even when crimping on the soldered seam.



More from Page 90.

Meters to be connected better.

Special designs for meter connection.

Benefits:

 The fork-type cable lugs can be connected to meters quickly and simply, even in tight areas.



More on Page 94.



We highly recommend indent crimping for solderless terminals and pin terminals to guarantee optimal hold. Specific information can be found in the cross references on the product pages.

KlauKe®

Terminals, connectors and pin terminals to DIN - Cu

Solderless terminals acc. to DIN - Cu





- Acc. to DIN 46234
- For conductors e.g. to VDE 0295 Class 2, 5 and 6
- Hard soldered in crimping area

Characteristics

- Total cross-section: 0.5 240 mm²
- With grooved profile for improved contact characteristics

Material

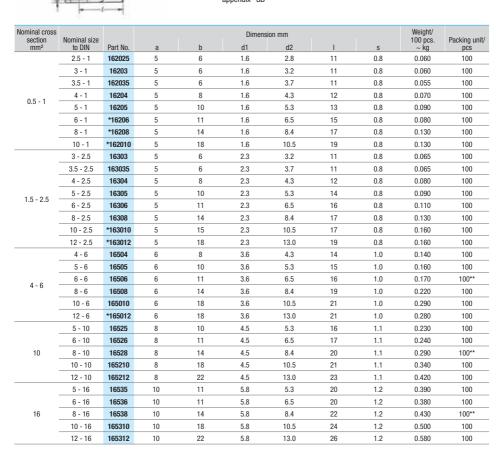
■ Cu-ETP

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Order in

Now also available in handy plastic boxes for smaller requirements, part number appendix "SB"





Solderless terminals acc. to DIN - Cu

Nominal cross	Naminal sins				Dimens	ion mm			Weight/	Dealine unit/
section mm ²	Nominal size to DIN	Part No.	а	b	d1	d2	1	s	100 pcs. ~ kg	Packing unit/ pcs
	5 - 25	16545	11	12	7.5	5.3	25	1.5	0.750	100
	6 - 25	16546	11	12	7.5	6.5	25	1.5	0.690	100
0.5	8 - 25	16548	11	16	7.5	8.4	25	1.5	0.750	100**
25	10 - 25	165410	11	18	7.5	10.5	26	1.5	0.760	100
	12 - 25	165412	11	22	7.5	13.0	31	1.5	0.920	100
	16 - 25	165416	11	28	7.5	17.0	35	1.5	1.320	100
	6 - 35	16556	12	15	9.0	6.5	26	1.6	1.010	100
	8 - 35	16558	12	16	9.0	8.4	26	1.6	0.980	100**
35	10 - 35	165510	12	18	9.0	10.5	27	1.6	1.000	100
	12 - 35	165512	12	22	9.0	13.0	31	1.6	1.260	100
	16 - 35	165516	12	28	9.0	17.0	36	1.6	1.550	100
	6 - 50	16566	16	18	11.0	6.5	34	1.8	1.650	100
	8 - 50	16568	16	18	11.0	8.4	34	1.8	1.650	100**
50	10 - 50	165610	16	18	11.0	10.5	34	1.8	1.600	100
	12 - 50	165612	16	22	11.0	13.0	36	1.8	1.800	100
	16 - 50	165616	16	28	11.0	17.0	40	1.8	2.100	100
	6 - 70	16576	18	22	13.0	6.5	38	2.0	2.600	50
	8 - 70	16578	18	22	13.0	8.4	38	2.0	2.500	50
70	10 - 70	165710	18	22	13.0	10.5	38	2.0	2.500	50
	12 - 70	165712	18	22	13.0	13.0	38	2.0	2.400	50
	16 - 70	165716	18	28	13.0	17.0	42	2.0	2.700	50
	8 - 95	16588	20	24	15.0	8.4	42	2.5	4.300	50
95	10 - 95	165810	20	24	15.0	10.5	42	2.5	4.100	50
30	12 - 95	165812	20	24	15.0	13.0	42	2.5	3.900	50
	16 - 95	165816	20	28	15.0	17.0	44	2.5	4.100	50
	8 - 120	16598	22	24	17.0	8.4	44	3.0	5.601	50
120	10 - 120	165910	22	24	17.0	10.5	44	3.0	5.600	50
120	12 - 120	165912	22	24	17.0	13.0	44	3.0	5.400	50
	16 - 120	165916	22	28	17.0	17.0	48	3.0	5.800	50
	10 - 150	166010	24	30	19.0	10.5	50	3.2	7.600	50
150	12 - 150	166012	24	30	19.0	13.0	50	3.2	7.600	50
	16 - 150	166016	24	30	19.0	17.0	50	3.2	7.500	50
185	12 - 185	166112	28	36	21.0	13.0	50	3.5	11.300	50
100	16 - 185	166116	28	36	21.0	17.0	50	3.5	11.300	50
240	12 - 240	166212	32	38	23.5	13.0	56	4.0	15.900	25
	16 - 240	166216	32	38	23.5	17.0	56	4.0	15.900	25

^{* =} not standardized

^{** =} Also available in small handy packs

 ^{0.5 - 6} mm² not UL certificated

[▶] Tools: see chart page 97



Insulated solderless terminals, Cu, Easy entry







- For conductors e.g. to VDE 0295 Class 2, 5 and 6
- High-quality brazing process in the crimp area

Characteristics

- Total cross-section: 10 150 mm²
- Insulation sleeve PA, halogen-free with easy-entry cable insertion
- Dimensions in tube according to DIN 46234
- With grooved profile for improved contact characteristics
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

Material

■ Cu-ETP

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Nominal cross section					Dimension mm			weight 10	0 pcs. ~kg	Packing unit
mm ²	Part No.	Colour	d12	d13	d2	GI1	110	Cu	Total	pcs
	6525		6.7	8.6	5.3	34.0	19.0	0.27	0.27	100
	6526		6.7	8.6	6.5	34.0	19.0	0.24	0.28	100
10	6528		6.7	8.6	8.4	37.5	19.0	0.29	0.33	100
	65210		6.7	8.6	10.5	41.5	19.0	0.34	0.38	100
	65212		6.7	8.6	13.0	45.5	19.0	0.42	0.46	100
	6535		7.7	9.6	5.3	39.5	20.5	0.39	0.44	100
	6536		7.7	9.6	6.5	39.5	20.5	0.38	0.43	100
16	6538		7.7	9.6	8.4	41.5	20.5	0.43	0.48	100
	65310		7.7	9.6	10.5	43.5	20.5	0.50	0.55	100
	65312		7.7	9.6	13.0	50.5	20.5	0.58	0.63	100
	6545		11.0	13.0	5.3	40.0	20.0	0.75	0.84	50
	6546		11.0	13.0	6.5	42.5	20.0	0.69	0.78	50
25	6548		11.0	13.0	8.4	43.0	20.0	0.75	0.84	50
25	65410		11.0	13.0	10.5	45.0	20.0	0.80	0.89	50
	65412		11.0	13.0	13.0	51.0	20.0	0.92	1.00	50
	65416		11.0	13.0	17.0	59.0	20.0	1.32	1.40	50
6	6556		12.7	15.0	6.5	44.0	22.5	1.01	1.14	50
	6558		12.7	15.0	8.4	44.5	22.5	0.98	1.10	50
35	65510		12.7	15.0	10.5	46.5	22.5	1.00	1.12	50
	65512		12.7	15.0	13.0	52.5	22.5	1.26	1.38	50
	65516		12.7	15.0	17.0	54.5	22.5	1.55	1.67	50
	6566		15.4	18.0	6.5	54.5	27.5	1.65	1.90	50
	6568		15.4	18.0	8.4	60.5	27.5	1.65	1.90	50
50	65610		15.4	18.0	10.5	60.5	27.5	1.60	1.85	50
	65612		15.4	18.0	13.0	60.5	27.5	1.80	2.05	50
	65616		15.4	18.0	17.0	67.5	27.5	2.10	2.35	50
	6576		17.4	20.0	6.5	61.5	30.5	2.60	2.90	50
	6578		17.4	20.0	8.4	61.5	30.5	2.50	2.80	50
70	65710		17.4	20.0	10.5	66.5	30.5	2.50	2.80	50
	65712		17.4	20.0	13.0	66.5	30.5	2.40	2.70	50
	65716		17.4	20.0	17.0	70.5	30.5	2.70	3.00	50
	65810		20.5	23.5	10.5	70.0	34.0	4.10	4.50	25
95	65812		20.5	23.5	13.0	70.0	34.0	3.90	4.40	25
	65816		20.5	23.5	17.0	76.0	34.0	4.10	4.50	25



Insulated solderless terminals, Cu, Easy entry

Nominal cross section					Dimension mm		weight 100) pcs. ~kg	Packing unit/	
mm²	Part No.	Colour	d12	d13	d2	GI1	l10	Cu	Total	pcs
	65910		23.5	26.7	10.5	79.0	36.0	5.60	6.10	25
120	65912		23.5	26.7	13.0	82.0	36.0	5.40	5.90	25
	65916		23.5	26.7	17.0	90.0	36.0	5.80	6.30	25
	66010		26.0	29.2	10.5	80.0	39.0	7.60	8.40	25
150	66012		26.0	29.2	13.0	83.0	39.0	7.60	8.40	25
	66016		26.0	29.2	17.0	83.0	39.0	7.50	8.30	25

▶ Tools: see chart page 99

Insulated pin terminals, Cu, Easy entry

- For conductors e.g. VDE 0295 Class 2
- ▶ High-quality brazing process in the crimp area

Characteristics

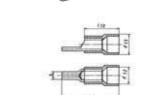
- Total cross-section: 10 95 mm²
- Insulation sleeve PA, halogen-free with easy-entry cable insertion
- With grooved profile for improved contact characteristics
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

Material

■ Cu-ETP

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)



Nominal cross section					Dimension mm		Weight 10	Packing unit/		
mm²	Part No.	Colour	b	d12	d13	GI1	l10	Cu	Total	pcs
10	ST1716IS		4.3	7.4	9.4	33.0	19.0	0.27	0.31	100
16	ST1717IS		5.5	8.6	10.6	38.0	20.0	0.39	0.44	100
25	ST1718IS		6.8	12.5	14.5	43.5	23.5	0.63	0.73	50
35	ST1719IS		8.0	14.0	16.4	51.5	27.5	1.17	1.34	50
50	ST1720IS		9.5	15.5	18.0	59.0	33.0	1.79	2.10	50
70	ST1721IS		11.0	18.0	20.5	69.0	38.0	2.92	3.20	50
95	ST1722IS		125	20.7	23.5	71.0	40 N	4 30	4 70	25

▶ Tools: see chart page 99

KlauKe®

Terminals, connectors and pin terminals to DIN - Cu

Solderless terminals Cu, fork type





- Dimensions in tube to 6 mm² to DIN 46234
- Fork-type version for simple and direct screw mounting
- ▶ High-quality brazing process in the crimp area



Characteristics

- Total cross-section: 0.5 16 mm²
- With grooved profile for improved contact characteristics

Material

■ Cu-ETP

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

12	, , , , , , , , , , , , , , , , , , ,
ω _k ∓	
Nominal cross	Nominal size

Nominal cross section	Nominal size				Dimens	ion mm			Weight/ 100 pcs.	Packing unit/
mm ²	to DIN	Part No.	a	b	d1	d2	1	s	~ kg	pcs
	3 - 1	1620C3	5.0	6.0	1.6	3.2	11.0	0.8	0.060	100
	3.5 - 1	1620C35	5.0	6.0	1.6	3.7	11.0	0.8	0.060	100
0.5 - 1	4 - 1	1620C4	5.0	6.8	1.6	4.3	12.0	0.8	0.070	100
	5 - 1	1620C5	5.0	10.0	1.6	5.3	13.0	0.8	0.090	100
	6 - 1	1620C6	5.0	11.0	1.6	6.5	15.0	0.8	0.080	100
	3 - 2.5	1630C3	5.0	5.5	2.3	3.2	13.8	0.8	0.065	100
	3.5 - 2.5	1630C35	5.0	6.0	2.3	3.7	11.0	0.8	0.065	100
1.5 - 2.5	4 - 2.5	1630C4	5.0	6.8	2.3	4.3	12.0	0.8	0.080	100
	5 - 2.5	1630C5	5.0	10.0	2.3	5.3	14.0	0.8	0.090	100
	6 - 2.5	1630C6	5.0	11.0	2.3	6.5	16.0	0.8	0.110	100
	4 - 6	1650C4	6.0	8.0	3.6	4.3	14.0	1.0	0.140	100
4.6	5 - 6	1650C5	6.0	10.0	3.6	5.3	15.0	1.0	0.160	100
4 - 6	6 - 6	1650C6	6.0	11.0	3.6	6.5	16.0	1.0	0.170	100
	8 - 6	1650C8	6.0	14.0	3.6	8.4	19.0	1.0	0.220	100
10	5 - 10	1652C5	10.0	10.0	4.3	5.3	19.0	1.0	0.240	100
10	6 - 10	1652C6	10.0	11.0	4.3	6.4	21.0	1.0	0.260	100
16	6 - 16	1653C6	11.5	11.0	5.4	6.4	24.0	1.0	0.350	100
16	8 - 16	1653C8	11.5	15.0	5.4	8.4	27.0	1.0	0.420	100

^{▶ 0.5 - 6} mm² not UL certificated

> Tools: see chart page 97



Pin terminals acc. to DIN, Cu

- Nominal cross-sections 0.5 6 mm² to DIN 46230
- For conductors e.g. VDE 0295 Class 2
- ▶ High-quality brazing process in the crimp area

Characteristics

- Total cross-section: 0.5 95 mm²
- With grooved profile for improved contact characteristics

Material

■ Cu-ETP

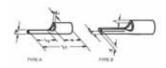
Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)









Nominal cross section	Nominal size				ı			sion mm				Weight/ 100 pcs.	Packing
mm ²	to DIN	Part No.	Тур	a	b	d1	d2	11	12	S	h	~ kg	unit/pcs
0.5 - 1	1	ST1705	Α	5.0		1.8	1.9	17.0	10	8.0		0.060	100
1.5 - 2.5	2.5	ST1710	Α	5.0		2.3	1.9	17.0	10	8.0		0.072	100
4 - 6	6	ST1715	Α	6.0		3.6	2.7	20.0	11	1.0		0.160	100
10		*ST1716	В	10.0	4.3	4.3		24.5	11	1.0	2.0	0.270	100
16		*ST1717	В	11.5	5.8	5.4		29.5	15	1.0	2.0	0.390	100
25		*ST1718	В	13.5	6.8	6.7		33.5	15	1.2	2.4	0.630	100
35		*ST1719	В	16.0	8.0	8.2		40.5	20	1.5	3.2	1.170	50
50		*ST1720	В	19.0	9.5	9.5		45.0	20	1.8	3.6	1.790	50
70		*ST1721	В	24.0	11.0	11.2		55.0	23	2.0	4.0	2.920	50
95		*ST1722	В	24.0	12.5	13.5		55.0	23	2.5	5.0	4.300	50

- * = not standardized
- ▶ 0.5 6 mm² not UL certificated
- ▶ Tools: see chart page 97



Insulated terminals for meter connections, Cu, fork type





- Special design for meter connection
- Fork-type version for simple and direct screw mounting
- ▶ High-quality brazing process in the crimp area

Characteristics

- Total cross-section: 10 16 mm²
- No additional insulation of the crimped connection required
- With grooved profile for improved contact characteristics
- Insulation sleeve PA, halogen-free
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

Material

■ Cu-ETP

Surface

Nominal cross section					Dimension mm		Weight 10	Packing unit/		
mm²	Part No.	Colour	d12	d13	d2	GI1	110	Cu	Total	pcs
10	652C5		7.0	9.6	5.3	33.5	19.0	0.24	0.28	100
10	652C6		7.0	9.6	6.4	33.5	19.0	0.26	0.30	100
16	653C6		8.6	10.6	6.4	37.5	20.5	0.35	0.40	100

> Tools: see chart page 99



Terminals, connectors and pin terminals to $\ensuremath{\mathsf{DIN}}$ - $\ensuremath{\mathsf{Cu}}$

Solderless connectors acc. to DIN, Cu, short type

- Acc. to DIN 46341 part 1, form A
- For conductors e.g. VDE 0295 Class 2, 5 and 6
- Ideal for connecting differing conductor cross-sections



Characteristics

- Total cross-section: 0.5 150 mm²
- Precise end machining for easy cable insertion
- Annealed material optimises material and crimping properties

95

120

150

1658K

1659K

1660K

15.0

16.5

19.0

■ Copper acc. to EN 13600

Non

■ Tin-plated to protect against corrosion (other surfaces available upon request)



minal cross section	Nominal size			Dimension mm		Weight/ 100 pcs.	
mm²	to DIN	Part No.	d1	d4	I	~ kg	Packing unit/pcs
0.5 - 1	1	1620K	1.6	3.2	8	0.045	100
1.5 - 2.5	2.5	1630K	2.3	3.9	8	0.055	100
4 - 6	6	1650K	3.6	5.6	9	0.090	100
10	10	1652K	4.5	6.7	10	0.170	100
16	16	1653K	5.8	8.2	11	0.260	100
25	25	1654K	7.5	10.5	14	0.510	100
35	35	1655K	9.0	12.2	16	0.730	100
50	50	1656K	11.0	14.6	19	1.200	100
70	70	1657K	13.0	17.0	19	1.530	50

20.0

22.5

25.4

20

22

26

2.370

3.450

5.060

50

50

50

95

120

150

[▶] Tools: see chart page 97



Solderless connectors acc. to DIN, Cu, long type





- Acc. to DIN 46341 part 1, form B
- For conductors e.g. VDE 0295 Class 2, 5 and 6

Characteristics

- Total cross-section: 0.5 150 mm²
- With buttmarks for precise cable insertion
- Precise end machining for easy cable insertion
- Annealed material optimises material and crimping properties

Material

■ Copper acc. to EN 13600

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Nominal cross section	Nominal size			Dimension mm		Weight/ 100 pcs.	
mm ²	to DIN	Part No.	d1	d4	1	~ kg	Packing unit/pcs
0.5 - 1	1	1620L	1.6	3.2	15	0.08	100
1.5 - 2.5	2.5	1630L	2.3	3.9	15	0.10	100
4 - 6	6	1650L	3.6	5.6	15	0.19	100
10	10	1652L	4.5	6.7	21	0.36	100
16	16	1653L	5.8	8.2	26	0.62	100
25	25	1654L	7.5	10.5	29	1.11	100
35	35	1655L	9.0	12.2	32	1.50	100
50	50	1656L	11.0	14.6	38	2.44	100
70	70	1657L	13.0	17.0	42	3.54	50
95	95	1658L	15.0	20.0	48	5.87	50
120	120	1659L	16.5	22.5	52	8.46	50
150	150	1660L	19.0	25.4	56	10.86	50

[►] Tools: see chart page 97





■ Tool application chart

Solderless terminals to DIN 46234, pin terminals to DIN 46230, solderless connectors to DIN 46341, part 1

	Crimpi	ng tools			Too	l type				
		Ì		mechanical,						
Crimping range	,			electrical, pneumatic,						
corresponds to	5			crimping tools	Hand	Battery				
corresponds to nominal cross-section mm²				with interchangeable dies/heads	hydraulic crimping tools	powered crimping tools	Hydraulic crim-	Hydraulic crim-		
		Adapter	crimping tools	dies/heads	tools	tools	ping systems	ping heads	Crimp profile	(Tool)
0.5-6	K13		•						Θ	240
0.5-10	K50			•					Θ	259
	EK50ML			•					Θ	278
	EK1550					•			Θ	308
	EK1550G					•			∀	310
0.5-16	K25	1/2000	•						8	242
0.75-2.5	KP1	+KP232		•					Θ	256
	KP1L	+KP232		•					Θ	256
	EKP1	+KP232				•			Θ	312
	TEKP1	+KP232		•					\supset	281
	KPM15	+KP232		•					\bigcirc	282
4-10	KP1	+KP242		•					\bowtie	256
	KP1L	+KP242		•					\bowtie	256
	EKP1	+KP242				•			\bowtie	312
	TEKP1	+KP242		•					\bowtie	281
	KPM15	+KP242		•					\simeq	282
10-35	K354			•					\bigcirc	260
	EK354					•			\bigcirc	314
	EK354L					•			\bigcirc	316
10-50	EK505L					•			Θ	318
10-70	K18			•					\bigcirc	262
	HK6018				•				\bigcirc	286
	EK5018L					•			\supset	320
	PK18							•	\supset	362
	THK18						•		\bigcirc	362
	HK60UNV	+ UA18			•				\supset	354
	EK60UNVL	+ UA18				•			\supset	357
	EKM60UNVL	+ UA18				•			\bigcirc	356
	PK60UNV	+ UA18						•	\bigcirc	355
	K22			•					\supset	264
	HK6022				•				\forall	288
	EK6022L					•			\forall	324
	EKM6022L					•			Θ	322
	PK22							•	\forall	364
	THK22						•		Θ	364
	HK60UNV	+ UA22			•				\bigcirc	354
	EK60UNVL	+ UA22				•			\supset	357
	EKM60UNVL	+ UA22				•			\bigcirc	356
	PK60UNV	+ UA22						•	\bigcirc	355



Terminals, connectors and pin terminals to $\ensuremath{\mathsf{DIN}}$ - $\ensuremath{\mathsf{Cu}}$



Tool application chart

Solderless terminals to DIN 46234, pin terminals to DIN 46230, solderless connectors to DIN 46341, part 1

	Crimpin	g tools		Tool type							
Crimping range corresponds to nominal cross-section mm ²	Tools	Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)	
16-95	K95		•						Θ	242	
	TK95		•						Θ	243	
16-150	HK12030				•				Θ	292	
	HK12042				•				Θ	294	
	HK120U				•				Θ	296	
	EK12030L					•			Θ	330	
	EK12042L					•			Θ	332	
	EK120UL					•			Θ	334	
	EK120UNVL					•			Θ	358	
	HK122EL380						•		Θ	390	
	PK12042							•	Θ	368	
	PK120U							•	Θ	370	
16-240	HK252						•		\bigcirc	388	
	HK252EL380						•		\bigcirc	391	
	PK252							•	\bigcirc	372	





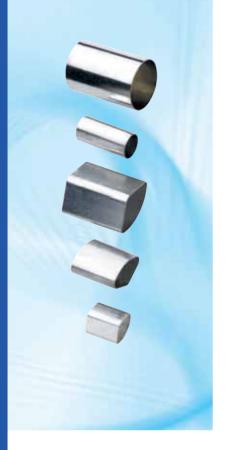
■ Tool application chart

Insulated solderless terminals Insulated pin terminals

Company prague Comp		Crimpir	ng tools			Too	l type				
Crimping abase Crimping head Machanical Crimping head Crimping h											
	Crimping range					Hand	Rattery				
Tools	nominal		Crimping boad/	Machanical		hydraulic	powered	Hydraulic crim-	Hydraulic crim-		Dana
KSO							tools				
RK50ML	10-16	K16		•						0	234
Name		K50			•					0	259
EKI5506		EK50ML			•					0	278
EK1550G		K354			•					0	260
EX354		EK1550					•			0	308
Table Fix Fi		EK1550G					•			0	310
10-50		EK354					•			Θ	314
HK6018		EK354L					•			\bigcirc	316
EK5018L	10-50	K18			•					\bigcirc	262
PK18		HK6018				•				\odot	286
THK18		EK5018L					•			\bigcirc	320
HK60UNV		PK18							•	\bigcirc	362
EKGOUNVL		THK18						•		Θ	362
EKM60UNVL + UA18		HK60UNV	+ UA18			•				Θ	354
PK60UNV		EK60UNVL	+ UA18				•			\bigcirc	357
10-70		EKM60UNVL	+ UA18				•			\supset	356
HK6022		PK60UNV	+ UA18						•	\bigcirc	355
EK6022L	10-70	K22			•					\bigcirc	264
EKM6022L		HK6022				•				Θ	288
PK22 • 364 THK22 • 364 HK60UNV + UA22 • 354 EK60UNVL + UA22 • 357 EKM60UNVL + UA22 • 356 PK60UNV + UA22 • 355 10-95 HK12030 • 292 HK12042 • 294 HK120U • 296 EK12030L • 296 EK12042L • 330 EK12042L • 332 EK120UL • 334 EK120UNVL • 368 PK12042 • 368 PK120U • 370 10-150 HK252 • 388		EK6022L					•			\forall	324
THK22 • □ 364 HK60UNV + UA22 • □ 354 EK60UNVL + UA22 • □ 357 EKM60UNVL + UA22 • □ 356 PK60UNV + UA22 • □ 355 10-95 HK12030 • □ 292 HK12042 • □ 294 HK12030L • □ 296 EK12030L • □ 330 EK12042L • □ 332 EK120UL • □ 334 EK120UNVL • □ 368 PK120U • □ 370 10-150 HK252 • □ 388		EKM6022L					•			\forall	322
HK60UNV		PK22							•	\forall	364
EK60UNVL + UA22 • 357 EKM60UNVL + UA22 • 356 PK60UNV + UA22 • 355 10-95 HK12030 • ♥ 292 HK12042 • ♥ 294 HK120U • ♥ 296 EK12030L • ♥ 330 EK12042L • ♥ 332 EK120UL • ♥ 358 PK12042 • ♥ 368 PK120U • ♥ 370 10-150 HK252 • ♥ 388		THK22						•		\forall	364
EKM60UNVL + UA22 • 356 PK60UNV + UA22 • 355 10-95 HK12030 • □ 292 HK12042 • □ 294 HK12030L • □ 296 EK12030L • □ 330 EK12042L • □ 332 EK120UL • □ 358 PK12042 • □ 368 PK120U • □ 370 10-150 HK252 • □ 388		HK60UNV	+ UA22			•				\forall	354
PK60UNV + UA22 10-95 HK12030 • 292 HK12042 • 294 HK120U • 296 EK12030L • 330 EK12042L • 332 EK120UL • 334 EK120UNVL • 358 PK12042 • 368 PK120U • 370 10-150 HK252 • 388		EK60UNVL	+ UA22				•			\forall	357
10-95		EKM60UNVL	+ UA22				•			\forall	356
HK12042		PK60UNV	+ UA22						•	Θ	355
HK120U • ♥ 296 EK12030L • ♥ 330 EK12042L • ♥ 332 EK120UL • ♥ 334 EK120UNVL • ♥ 358 PK12042 • ♥ 368 PK120U • ♥ 370	10-95	HK12030				•					292
EK12030L • ♥ 330 EK12042L • ♥ 332 EK120UL • ♥ 334 EK120UNVL • ♥ 358 PK12042 • ♥ 368 PK120U • ♥ 370 10-150 HK252 • ❤ 388		HK12042				•				\bigcirc	294
EK12042L • ♥ 332 EK120UL • ♥ 334 EK120UNVL • ♥ 358 PK12042 • ♥ 368 PK120U • ♥ 370 10-150 HK252 • ❤ 388		HK120U				•				\bigcirc	296
EK120UL • ₩ 334 EK120UNVL • ₩ 358 PK12042 • ₩ 368 PK120U • ₩ 370 10-150 HK252 • ₩ 388		EK12030L					•				330
EK120UNVL ◆ S58 PK12042 • ♥ 368 PK120U • ♥ 370 10-150 HK252 • ❤ 388							•				
PK12042 • □ 368 PK120U • □ 370 10-150 HK252 • ➡ 388		EK120UL					•				334
PK120U • ₩ 370 10-150 HK252 • ₩ 388		EK120UNVL					•			Θ	358
10-150 HK252 • ₩ 388		PK12042							•	\bigcirc	368
									•	\bigcirc	370
PK252 • ₩ 372	10-150	HK252						•		\forall	388
		PK252							•	\bigcirc	372



Brings compacted conductors to volume.



Sleeves for copper compacted round conductors and sectorshaped conductors.

With the same nominal cross-section, the diameters of compacted round conductors are narrower than those of uncompacted round conductors. This causes problems with cable assembly, since the corresponding cable lug or connector cannot be fitted as specified in the standards.

Problems occur with sector shaped conductors when round connecting material is applied to sector shaped conductors. Often, both cable lugs and connectors are damaged - or the conductors break. The conductors can be crimped round using sleeves for sector-shaped conductors, making them easier to process.



Round-crimping sector sleeves in three steps.

■ For cables with compacted round conductors.

- For 3 core sector-shaped cables (120° angle).
- For 4 core sector-shaped cables (90° angle).

The appropriate cable types for our sleeves in cross section:



4 core sector-shaped 3 core sector-shaped cables



cables



compacted round conductors

■ A nice piece of work for compacted conductors.

Sleeves for cross section compensation on cables with compacted conductors with nominal cross sections up to 400 mm².

 For copper tubular and compression cable lugs and connectors.

Benefits:

- Connecting materials can be efficiently crimped onto compacted conductors using Klauke crimping tools - faulty connections are impossible.
- Existing crimping tools can be used. Storing of additional connecting materials or expensive special solutions is not necessary.





Bringing sector-shaped conductors into the right form.

- Sleeves for sector-shaped conductors with nominal cross sections up to 240 mm².
- For 3 and 4 sector-shaped conductors with angles of 120° and 90° respectively.

Benefits:

- 3 and 4 sector-shaped conductors with nominal cross sections up to 240 mm² can be crimped round without breaking and then processed using standard connecting materials.
- No special cable lugs or special tools are required.
 - More from Page 104.



To guarantee optimum hold of sleeves for compacted or sector-shaped conductors and connecting materials, the sleeves must be crimped onto the conductors using pre-rounding dies.

The connecting material can then be crimped in the usual manner.

- As well as the sleeve applications for tubular cable lugs in the standard version as shown, we also offer a new series of cable lugs called "blue connection" without the use of sleeves.
- More from Page 24.





Sleeves for compacted conductors and sector-shaped conductors - Cu

Sleeves for compacted conductors, for tubular cable lugs and connectors, standard type





- For multi-stranded, compacted conductors e.g. VDE 0295 Class 2
- Allows the use of Klauke tubular cable lugs and connectors, standard type for compacted conductors

Characteristics

- Total cross-section: 16 400 mm²
- Annealed material optimises material and crimping properties

........

■ Copper acc. to EN 13600

Surface

Nominal cross section mm ²	Part No.	d1	Dimension mm	ı	Weight/ 100 pcs. ~ kq	Packing unit/pcs
16	VHR16	5.0	5.3	11	0.024	100
25	VHR25	6.4	6.7	14	0.038	100
35	VHR35	7.7	8.2	15	0.083	100
50	VHR50	9.0	9.5	18	0.118	50
70	VHR70	10.6	11.2	19	0.173	50
95	VHR95	12.4	13.0	21	0.223	50
120	VHR120	13.9	14.5	22	0.261	50
150	VHR150	15.4	16.0	26	0.342	25
185	VHR185	17.6	18.2	26	0.396	25
240	VHR240	19.9	20.5	30	0.508	25
300	VHR300	22.4	23.0	38	0.723	10
400	VHR400	25.4	26.2	38	1.108	10

¹ Please observe instructions in technical appendix on page i-7



Sleeves for compacted conductors, for tubular compression cable lugs and connectors DIN type

▶ For multi-stranded, compacted conductors e.g. VDE 0295 Class 2

 Allows the use of Klauke DIN compression cable lugs and connectors for compacted conductors





Characteristics

- Total cross-section: 16 400 mm²
- Annealed material optimises material and crimping properties

Materia

■ Copper acc. to EN 13600

Surface



Nominal cross section	Part No.	d1	Dimension mm	1	Weight/ 100 pcs. ~ kg	Packing unit/pcs
16	VHD16	5.0	5.3	16	0.035	100
25	VHD25	6.4	6.7	16	0.043	100
35	VHD35	7.7	8.2	17	0.094	100
50	VHD50	9.0	9.5	23	0.151	50
70	VHD70	10.6	11.2	24	0.219	50
95	VHD95	12.4	13.0	28	0.298	50
120	VHD120	13.9	14.5	30	0.357	50
150	VHD150	15.4	16.0	30	0.395	25
185	VHD185	17.6	18.2	38	0.579	25
240	VHD240	19.9	20.5	38	0.645	25
300	VHD300	22.4	23.0	48	0.913	5
400	VHD400	25.4	26.2	58	1.692	5

¹ Please observe instructions in technical appendix on page i-7



Sleeves for compacted conductors and sector-shaped conductors - Cu

Sleeves for sector-shaped conductors, 3-core cable





- For tubular cable lugs and connectors, standard version and DIN compression cable lugs and connectors
- To simplify pre-rounding of 3-conductor cables (120° angle)
- Prevents sector shaped conductors from splicing during pre-rounding

Characteristics

- Total cross-section: 35 240 mm²
- Annealed material optimises material and crimping properties

Motorio

 $\,\blacksquare\,$ Copper acc. to EN 13600

Surface

Nominal cross section		Dimension mm	Weight/ 100 pcs.		
mm²	Part No.	1	~ kg	Packing unit/pcs	
Standard type					
35	VHR353	14	0.08	100	
50	VHR503	17	0.17	50	
70	VHR703	18	0.29	50	
95	VHR953	22	0.45	50	
120	VHR1203	23	0.49	50	
150	VHR1503	25	0.58	25	
185	VHR1853	25	0.80	25	
240	VHR2403	30	1.04	25	
DIN version					
35	VHD353	17.5	0.11	100	
50	VHD503	25.0	0.26	50	
70	VHD703	25.0	0.39	50	
95	VHD953	32.0	0.66	50	
120	VHD1203	32.0	0.68	50	
150	VHD1503	32.0	0.74	25	
185	VHD1853	35.0	1.13	25	
240	VHD2403	35.0	1.22	25	

¹ Pre-rounding dies see chapter "Crimping dies"

¹ Please observe instructions in technical appendix on page i-7



Sleeves for compacted conductors and sector-shaped conductors - Cu

Sleeves for sector-shaped conductors, 4-core cable

- For tubular cable lugs and connectors, standard version and DIN compression cable lugs and connectors
- To simplify pre-rounding of 4-conductor cables (90° angle)
- Prevents sector shaped conductors from splicing during pre-rounding





Characteristics

- Total cross-section: 35 240 mm²
- Annealed material optimises material and crimping properties

Material

■ Copper acc. to EN 13600

Surface

Nominal cross section mm ² Standard type	Part No.	Dimension mm I	Weight/ 100 pcs. ~ kg	Packing unit/pcs
35	VHR354	14	0.13	100
50	VHR504	17	0.17	50
70	VHR704	18	0.28	50
95	VHR954	22	0.40	50
120	VHR1204	23	0.51	50
150	VHR1504	25	0.57	25
185	VHR1854	25	0.78	25
240	VHR2404	30	0.85	25
DIN version				
35	VHD354	17.5	0.11	100
50	VHD504	25.0	0.25	50
70	VHD704	25.0	0.38	50
95	VHD954	32.0	0.63	50
120	VHD1204	32.0	0.71	50
150	VHD1504	32.0	0.73	25
185	VHD1854	35.0	1.09	25
240	VHD2404	35.0	1.13	25

¹ Please observe instructions in technical appendix on page i-7

¹ Pre-rounding dies see chapter "Crimping dies"

KlauKe[®]

Aluminum Optimised connections.



Aluminum compression cable lugs and connectors to DIN.

Due to their significantly lower weight, aluminum conductors are becoming increasingly popular in power distribution applications.

The material structure is very different to copper. That's why appropriate cable lugs and connectors are required. Connecting material for aluminum comes with a special compound. During crimping this compound destroys the non-conductive oxide layer of aluminum in the crimping area, allowing a perfect electrical connection.





Aluminum compression cable lugs are frequently used in power distribution.

- Aluminum cable lugs with DIN dimensions up to 500 mm².
- Compression cable lugs with barrier to DIN 46239.
- Compression joints to DIN 46267, Part 2.
- Compression joints for medium-voltage applications up to 30 kV.
- Tin-plated version for connecting to copper rails.

■ The right product for every aluminum conductor.

- Nominal cross sections up to 500 mm².
- Barrier type with oil stop.
- Tin-plated designs with 20 μm layer thickness.

Benefits:

- The Klauke range offers aluminum DIN compression cable lugs to suit every application.
- The quality tin plating ensures connections to copper in a dry environment.



A quality range.



- Defined, unique material properties to Klauke standards.
- DIN-compliant dimensions.
- Consistent material thickness, precise diameters and an accurate fit mean optimised processing and ultimate safety.

Benefits:

- When professionally installed, the connecting material ensures optimised stability even with mechanically stressed or severely vibrating connections.
- Less repair and maintenance thanks to safe connections.
- More applications, e.g. power distribution.

■ With **markings** for the crimping operation.

- ▶ All DIN compression cable lugs have markings for correct crimping.
- Markings for narrow and wide crimps.
- Al crimping dies designed for aluminum with larger contact areas than dies for copper connecting materials.

Benefits:

- You identify at a glance where and how often the connecting material has to be crimped. Errors are practically impossible.
- Dies with larger crimping width crimp wider areas of cable lugs to the conductor, thereby compensating for aluminum's lower conductivity.





The compound in aluminum compression cable lugs improves the contact properties by piercing the non-conductive oxide layer. The compound also prevents oxygen penetrating the contact points, avoiding re-oxidation.

KlauKe®

Aluminum compression cable lugs and connectors to DIN

Compression cable lugs acc. to DIN - Al





- Acc. to DIN 46329
- For non-tension connections of AI cables to DIN 48201, part 5 and aluminum cables to DIN EN 50182
- ▶ With code number for clear tool assignment
- ▶ Filled with contact grease for optimum crimp characteristics

Characteristics

- Total cross-section: 16 500 mm²
- Barrier design with oil stop
- Optional tin-plated (20 µm) version to connect dusty interior copper bus bars
- Precise end machining for easy cable insertion

Material

■ E-Al

Surface

Bright finished

Order info

part number appendix for tinned version "v"

Nominal cross	section mm ²	Size of bolt				D	imension m	m		Number o	of crimps	Weight/ 100 pcs.	Packin
rm/sm	se	dia.	Part No.	Code	a	b	d1	d2	- 1	mech.	hydr.	~ kg	unit/po
16 -	25	M 8	*263R8	12	30	20	5.8	8.4	50	4	2	1.20	4
10	25	M 10	*263R10	12	30	20	5.8	10.5	50	4	2	1.20	4
	35	M 8	264R8	12	30	25	6.8	8.4	50	4	2	1.30	4
25	35	M 10	264R10	12	30	25	6.8	10.5	50	4	2	1.24	4
	35	M 12	264R12	12	30	25	6.8	13.0	50	4	2	1.22	4
	50	M 8	265R8	14	42	25	8.0	8.4	62	5	2	2.50	4
35	50	M 10	265R10	14	42	25	8.0	10.5	62	5	2	1.98	4
	50	M 12	265R12	14	42	25	8.0	13.0	62	5	2	2.50	4
	70	M 8	266R8	16	42	25	9.8	8.4	62	5	2	2.75	4
50	70	M 10	266R10	16	42	25	9.8	10.5	62	5	2	2.70	4
-	70	M 12	266R12	16	42	25	9.8	13.0	62	5	2	2.65	4
	95	M 8	267R8	18	52	25	11.2	8.4	72	6	3	3.45	4
70	95	M 10	267R10	18	52	25	11.2	10.5	72	6	3	3.80	4
-	95	M 12	267R12	18	52	25	11.2	13.0	72	6	3	3.35	4
	120	M 10	268R10	22	56	25	13.2	10.5	75	6	3	6.90	4
95	120	M 12	268R12	22	56	25	13.2	13.0	75	6	3	4.92	4
_	120	M 16	*268R16	22	56	25	13.2	17.0	75	6	3	6.00	4
	150	M 10	269R10	22	56	30	14.7	10.5	80	6	3	5.95	4
120	150	M 12	269R12	22	56	30	14.7	13.0	80	6	3	5.84	4
	150	M 16	269R16	22	56	30	14.7	17.0	80	6	3	6.60	4
	185	M 10	270R10	25	60	30	16.3	10.5	90	6	3	8.50	4
450	185	M 12	270R12	25	60	30	16.3	13.0	90	6	3	7.73	4
150 -	185	M 16	270R16	25	60	30	16.3	17.0	90	6	3	7.60	4
-	185	M 20	*270R20	25	60	30	16.3	21.0	90	6	3	8.20	4
	240	M 10	271R10	28	60	30	18.3	10.5	91	6	3	11.00	4
405	240	M 12	271R12	28	60	30	18.3	13.0	91	6	3	9.88	4
185 -	240	M 16	271R16	28	60	30	18.3	17.0	91	6	3	10.10	4
-	240	M 20	*271R20	28	60	30	18.3	21.0	91	6	3	10.00	4
	300	M 10	*272R10	32	70	38	21.0	10.5	103	8	3	15.50	4
-	300	M 12	272R12	32	70	38	21.0	13.0	103	8	3	13.80	4
240 -	300	M 16	272R16	32	70	38	21.0	17.0	103	8	3	13.48	4
-	300	M 20	272R20	32	70	38	21.0	21.0	103	8	3	15.00	4



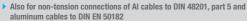
Compression cable lugs acc. to DIN - Al

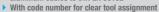
Nominal cross	s section mm²	Size of bolt				[imension m	m		Number o	f crimps	Weight/ 100 pcs.	Packing
rm/sm	se	dia.	Part No.	Code	a	b	d1	d2	- 1	mech.	hydr.	~ kg	unit/pcs
		M 12	273R12	34	70	38	23.3	13.0	103	8	3	17.60	1
300		M 16	273R16	34	70	38	23.3	17.0	103	8	3	17.28	1
		M 20	273R20	34	70	38	23.3	21.0	103	8	3	17.40	1
		M 12	274R12	38	73	38	26.0	13.0	116		4	38.00	1
400		M 16	274R16	38	73	38	26.0	17.0	116		4	37.40	1
		M 20	274R20	38	73	38	26.0	21.0	116		4	40.20	1
		M 12	275R12	44	79	44	29.0	13.0	122		4	43.70	1
500		M 16	275R16	44	79	44	29.0	17.0	122		4	43.30	1
		M 20	275R20	44	79	44	29.0	21.0	122		4	43.00	1

- * = not standardized
- ▶ sm/se conductor needs to be pre-rounded
- sm = sector stranded
- rm = round multi-stranded
- ▶ se = sector solid
- ► Tools: see chart page 118

Compression cable lugs, Al







▶ Filled with contact grease for optimum crimp characteristics





Characteristics

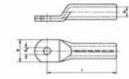
- Total cross-section: 10 400 mm²
- For pre-rounded sm/se sector shaped conductors
- With crimp markings for correct crimping
- Precise end machining for easy cable insertion

Material

■ E-Al

Surface

■ Bright finished



Nominal cross	s section mm²	Size of bolt				Dimens	ion mm		Number (of crimps	Weight/ 100 pcs.	Packing
rm/sm	se	dia.	Part No.	Code	b	d1	d2	1	mech.	hydr.	~ kg	unit/pcs
10		M 6	202R6	10	16	5.0	6.5	52	4	2	0.86	25
10		MO	202R8	10	18	5.0	8.5	52	4	2	0.88	25
16	25	M 8	203R8	12	18	5.8	8.5	52	4	2	1.37	10
10	25	M 10	203R10	12	18	5.8	10.5	52	4	2	1.39	10
0.5	35	M 8	204R8	12	18	6.8	8.5	60	4	2	1.41	10
25	35	11.40	204R10	12	18	6.8	10.5	60	4	2	1.46	10
25	50	M 10	205R10	14	21	8.0	10.5	67	5	2	2.08	10
35	50	M 12	205R12	14	21	8.0	13.0	67	5	2	2.05	10
50	70	M 10	206R10	16	25	9.8	10.5	72	5	2	2.68	10
50	70	M 12	206R12	16	25	9.8	13.0	72	5	2	2.73	10
70	95	M 10	207R10	18	28	11.2	10.5	86	6	3	4.42	10
70	95	M 12	207R12	18	28	11.2	13.0	86	6	3	4.27	10
	120	M 10	208R10	22	32	13.2	10.5	90	6	3	7.40	4
95	120	M 12	208R12	22	32	13.2	13.0	90	6	3	7.50	4
	120	M 16	208R16	22	34	13.2	17.0	90	6	3	7.30	4



Compression cable lugs, Al

Nominal cross	s section mm²	Size of bolt				Dimens	ion mm		Number	of crimps	Weight/ 100 pcs.	Packing
rm/sm	se	dia.	Part No.	Code	b	d1	d2	1	mech.	hydr.	~ kg	unit/pcs
120	150	M 12	209R12	22	32	14.7	13.0	91	6	3	6.68	4
120	150	M 16	209R16	22	34	14.7	17.0	91	6	3	6.41	4
	185	M 12	210R12	25	35	16.3	13.0	103	6	3	9.64	4
150	185	M 16	210R16	25	35	16.3	17.0	103	6	3	9.24	4
	185	M 20	210R20	25	41	16.3	21.0	103	6	3	9.40	4
	240	M 12	211R12	28	40	18.3	13.0	106	6	3	12.61	1
185	240	M 16	211R16	28	40	18.3	17.0	106	6	3	11.92	1
	240	M 20	211R20	28	40	18.3	21.0	106	6	3	13.10	1
	300	M 12	212R12	32	45	21.0	13.0	116	8	3	18.30	1
240	300	M 16	212R16	32	45	21.0	17.0	116	8	3	17.60	1
	300	M 20	212R20	32	45	21.0	21.0	116	8	3	17.30	1
200		M 16	213R16	34	49	23.3	17.0	124	8	3	17.50	1
300		M 20	213R20	34	49	23.3	21.0	124	8	3	17.30	1
400		M 16	214R16	38	58	26.0	17.0	165		4	32.20	1
400		M 20	214R20	38	58	26.0	21.0	165		4	31.90	1

- » sm/se conductor needs to be pre-rounded
- sm = sector stranded
- rm = round multi-stranded
- ▶ se = sector solid
- ▶ 16-400 mm² IEC tested
- ► Tools: see chart page 118

Compression joints acc. to DIN, AI







- Acc. to DIN 46267, part 2
- ▶ Also for non-tension connections of aluminum conductors DIN EN 50182
- ▶ With code number for clear tool assignment
- ▶ Filled with contact grease for optimum crimp characteristics

Characteristics

- Total cross-section: 10 500 mm²
- For pre-rounded sm/se sector shaped conductors
- With crimp markings for correct crimping
- Precise end machining for easy cable insertion

Material

■ E-Al

Surface

Bright finished

Nominal cros	ss section mm²			Dimens	ion mm	Number	of crimps	Weight/ 100 pcs.	
rm/sm	se	Part No.	Code	d1	1	mech.	hydr.	~ kg	Packing unit/pcs
10		*222R	10	5.0	55	3/3		0.95	10
16	25	*223R	12	5.8	55	3/3		1.40	10
25	35	224R	12	6.8	70	4/4	2/2	1.60	10
35	50	225R	14	8.0	85	5/5	2/2	2.60	10
50	70	226R	16	9.8	85	5/5	2/2	3.20	10
70	95	227R	18	11.2	105	6/6	3/3	5.30	10
95	120	228R	22	13.2	105	6/6	3/3	7.60	10
120	150	229R	22	14.7	105	6/6	3/3	7.80	10
150	185	230R	25	16.3	125	6/6	3/3	10.70	10
185	240	231R	28	18.3	125	6/6	3/3	14.30	5
240	300	232R	32	21.0	145	8/8	3/3	20.30	5



Compression joints acc. to DIN, Al

Nominal cross	section mm²			Dimens	ion mm	Number o	of crimps	Weight/ 100 pcs.	
rm/sm	se	Part No.	Code	d1	1	mech.	hydr.	~ kg	Packing unit/pcs
300		233R	34	23.3	145	8/8	3/3	22.20	1
400		234R	38	26.0	210		5/5	40.80	1
500		235R	44	29.0	210		5/5	56.00	1

- * = not standardized
- ▶ sm/se conductor needs to be pre-rounded
- sm = sector stranded
- rm = round multi-stranded

- ▶ se = sector solid
- 16-500 mm² IEC tested
 Tools: see chart page 118

Compression joints, Al

- ▶ Tube dimension to DIN 46267, part 2
- ▶ For non-tension connections of medium-voltage aluminum cable 10-30 kV
- ▶ With code number for clear tool assignment
- Filled with contact grease for optimum crimp characteristics

AI





Characteristics

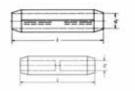
- Total cross-section: 35 400 mm²
- Also available as barrier design with oil stop
- With bevelled edges for reduced winding expenditure for the assembly
- With crimp markings for correct crimping
- Precise end machining for easy cable insertion

Material

■ E-Al

Surface

Bright finished



Nominal cross	s section mm²			Dimens	ion mm	Number o	of crimps	Weight/ 100 pcs.	Packing unit/
rm/sm	se	Part No.	Code	d1	1	mech.	hydr.	~ kg	pcs
Standard versio	n								
35	50	405R	14	8.20	90	4/4	2/2	2.7	10
50	70	406R	16	10.00	90	4/4	2/2	3.4	10
70	95	407R	18	11.50	95	4/4	2/2	4.6	10
95	120	408R	22	13.50	100	4/4	2/2	6.8	10
120	150	409R	22	15.00	105	4/4	2/2	7.4	10
150	185	410R	25	16.50	105	4/4	2/2	8.7	10
185	240	411R	28	18.50	125	5/5	2/2	13.4	5
240	300	412R	32	21.30	125	5/5	2/2	15.7	5
300		413R	34	23.60	125	5/5	2/2	16.3	1
400		414R	38	26.25	150		3/3	25.8	1
Barrier version									
35	50	415R	14	8.0	95	4/4	2/2	3.1	5
50	70	416R	16	9.8	95	4/4	2/2	5.6	5
70	95	417R	18	11.2	100	4/4	2/2	6.1	5
95	120	418R	22	13.2	105	4/4	2/2	9.2	5
120	150	419R	22	14.7	110	4/4	2/2	10.3	5
150	185	420R	25	16.3	110	4/4	2/2	12.0	5
185	240	421R	28	18.3	130	5/5	2/2	15.6	5
240	300	422R	32	21.0	130	5/5	2/2	19.1	5
300		423R	34	23.3	135	5/5	2/2	30.7	1
400		424R	38	26.0	165		3/3	30.0	1

- ▶ sm/se conductor needs to be pre-rounded
- ▶ sm = sector stranded
- rm = round multi-stranded

- se = sector solid
- Tools: see chart page 118



Reduction compression joints, Al, barrier design





- In nominal cross-section area tube dimension to DIN 46267, part 2
- ▶ For non-tension connections of medium-voltage aluminum cable 10-30 kV
- Ideal for connecting differing conductor cross-sections
- ▶ Filled with contact grease for optimum crimp characteristics
- > With bevelled edges for reduced winding expenditure for the assembly

Characteristics

- Total cross-section: 35 400 mm²
- Barrier design with oil stop
- With code number for clear tool assignment
- With crimp markings for correct crimping
- Precise end machining for easy cable insertion

Material

■ E-Al

Surface

■ Bright finished

Nominal cross	section rm/sm				Dimension mm		Number	of crimps	Weight/ 100 pcs.	Packing unit
from	to	Part No.	Code	d1	d2	1	mech.	hydr.	~ kg	pcs
35	25	425R25	14	8.0	6.8	95	4/4	2/2	2.800	5
50	25	426R25	16	9.8	6.8	95	4/4	2/2	3.630	5
50	35	426R35	16	9.8	8.0	95	4/4	2/2	3.450	5
	25	427R25	18	11.2	6.8	100	4/4	2/2	4.975	5
70	35	427R35	18	11.2	8.0	100	4/4	2/2	4.790	5
	50	427R50	18	11.2	9.8	100	4/4	2/2	4.420	5
	25	428R25	22	13.2	6.8	105	4/4	2/2	8.200	5
95	35	428R35	22	13.2	8.0	105	4/4	2/2	8.000	5
95	50	428R50	22	13.2	9.8	105	4/4	2/2	7.600	5
	70	428R70	22	13.2	11.2	105	4/4	2/2	7.350	5
	25	429R25	22	14.7	6.8	110	4/4	2/2	8.000	5
	35	429R35	22	14.7	8.0	110	4/4	2/2	7.800	5
120	50	429R50	22	14.7	9.8	110	4/4	2/2	7.380	5
	70	429R70	22	14.7	11.2	110	4/4	2/2	7.100	5
	95	429R95	22	14.7	13.2	110	4/4	2/2	6.550	5
	25	430R25	25	16.3	6.8	110	4/4	2/2	10.700	5
	35	430R35	25	16.3	8.0	110	4/4	2/2	10.500	5
150	50	430R50	25	16.3	9.8	110	4/4	2/2	10.100	5
150	70	430R70	25	16.3	11.2	110	4/4	2/2	9.800	5
	95	430R95	25	16.3	13.2	110	4/4	2/2	9.500	5
	120	430R120	25	16.3	14.7	110	4/4	2/2	8.650	5
	25	431R25	28	18.3	6.8	130		2/2	16.120	5
	35	431R35	28	18.3	8.0	130		2/2	15.875	5
	50	431R50	28	18.3	9.8	130		2/2	15.400	5
185	70	431R70	28	18.3	11.2	130		2/2	15.050	5
	95	431R95	28	18.3	13.2	130		2/2	14.400	5
	120	431R120	28	18.3	14.7	130	5/5	2/2	13.700	5
	150	431R150	28	18.3	16.3	130	5/5	2/2	13.050	5



Reduction compression joints, Al, barrier design

Nominal cross	section rm/sm				Dimension mm	ļ	Number	of crimps	Weight/ 100 pcs.	Packing unit/
from	to	Part No.	Code	d1	d2	1	mech.	hydr.	~ kg	pcs
	25	432R25	32	21.0	6.8	130		2/2	21.200	5
	35	432R35	32	21.0	8.0	130		2/2	20.950	5
	50	432R50	32	21.0	9.8	130		2/2	20.470	5
040	70	432R70	32	21.0	11.2	130		2/2	20.120	5
240	95	432R95	32	21.0	13.2	130		2/2	19.460	5
	120	432R120	32	21.0	14.7	130		2/2	18.800	5
	150	432R150	32	21.0	16.3	130	5/5	2/2	18.125	5
	185	432R185	32	21.0	18.3	130	5/5	2/2	17.275	5
	150	433R150	34	23.3	16.3	135	5/5	2/2	21.100	1
300	185	433R185	34	23.3	18.3	135	5/5	2/2	20.120	1
	240	433R240	34	23.3	21.0	135	5/5	2/2	18.730	1
	185	434R185	38	26.0	18.3	165		3/3	34.700	1
400	240	434R240	38	26.0	21.0	165		3/3	32.900	1
	300	434R300	38	26.0	23.3	165		3/3	31.200	1

[▶] sm/se - conductor needs to be pre-rounded

[▶] sm = sector stranded

rm = round multi-stranded

[▶] se = sector solid

[►] Tools: see chart page 118



Reduction compression joints, Al





- In nominal cross-section area tube dimension to DIN 46267, part 2
- For non-tension connections of aluminum conductors to DIN EN 50182
- With code number for clear tool assignment
- Filled with contact grease for optimum crimp results

Characteristics

- Total cross-section: 16 240 mm²
- For connecting different conductor cross-sections
- Also for pre-rounded sector shaped conductors
- With crimp markings for correct crimping
- Precise end machining for easy cable insertion

Material

■ E-Al

Surface

■ Bright finished

Nominal cross	section rm/sm				Dimension mm		Number	of crimps	Weight/ 100 pcs.	Packing unit
from	to	Part No.	Code	d1	d2	1	mech.	hydr.	~ kg	pcs
25	16	284R16	12	7.0	5.8	75	4/4	2/2	1.53	10
35	25	285R25	14	8.2	6.8	90	5/5	2/2	2.50	10
50	25	286R25	16	10.0	6.8	90	5/5	2/2	3.24	10
50	35	286R35	16	10.0	8.0	90	5/5	2/2	3.09	10
70	25	287R25	18	11.5	6.8	110	6/6	3/3	5.50	10
70	35	287R35	18	11.5	8.0	110	6/6	3/3	5.35	10
70	50	287R50	18	11.5	9.8	110	6/6	3/3	4.96	10
95	25	288R25	22	13.5	6.8	110	6/6	3/3	9.10	10
95	35	288R35	22	13.5	8.0	110	6/6	3/3	8.90	10
95	50	288R50	22	13.5	9.8	110	6/6	3/3	8.51	10
95	70	288R70	22	13.5	11.2	110	6/6	3/3	8.15	10
120	25	289R25	22	15.0	6.8	110	6/6	3/3	8.62	10
120	35	289R35	22	15.0	8.0	110	6/6	3/3	8.43	10
120	50	289R50	22	15.0	9.8	110	6/6	3/3	8.04	10
120	70	289R70	22	15.0	11.2	110	6/6	3/3	7.66	10
120	95	289R95	22	15.0	13.2	110	6/6	3/3	7.14	10
150	35	290R35	25	16.5	8.0	130	6/6	3/3	12.59	10
150	50	290R50	25	16.5	9.8	130	6/6	3/3	12.12	10
150	70	290R70	25	16.5	11.2	130	6/6	3/3	11.70	10
150	95	290R95	25	16.5	13.2	130	6/6	3/3	11.05	10
150	120	290R120	25	16.5	14.7	130	6/6	3/3	10.49	10
185	120	291R120	28	18.5	14.7	130	6/6	3/3	13.80	5
185	150	291R150	28	18.5	16.3	130	6/6	3/3	13.19	5
240	95	292R95	32	21.3	13.2	150		3/3	22.24	5
240	120	292R120	32	21.3	14.7	150		3/3	21.59	5
240	150	292R150	32	21.3	16.3	150		3/3	20.87	5

sm/se - conductor needs to be pre-rounded

[▶] sm = sector stranded

rm = round multi-stranded

[▶] se = sector solid

[►] Tools: see chart page 118



Compression joints acc. to DIN, AI, full tension

- Acc. to DIN 48085, part 2
- For full tension connections of aluminum conductors to DIN EN 50182
- With code number for clear tool assignment
- ▶ Filled with contact grease for optimum crimp results

AI



Characteristics

- Total cross-section: 16 300 mm²
- With crimp markings for correct crimping
- Precise end machining for easy cable insertion

Material

- E-Al to 95 mm²
- AlMgSi 1w from 120 mm²

Surface

■ Bright finished

Nominal cross section				Dimension mm		Number	of crimps	Conductor dia.	Weight/ 100 pcs.	Packing unit/
mm ²	Part No.	Code	d1	d4	1	mech.	hydr.	mm	~ kg	pcs
16	*243R	12	5.8	12.0	140	8/8	4/4	5.1	3.4	10
25	244R	12	6.8	12.0	140	8/8	4/4	6.3	2.9	10
35	245R	14	8.0	14.0	140	8/8	4/4	7.5	3.9	10
50	246R	16	10.0	16.0	155	8/8	4/4	9.0	5.2	10
70	247R	18	11.5	18.5	165	8/8	4/4	10.5	7.4	10
95	248R	22	13.5	22.0	165	8/8	4/4	12.5	12.2	10
120	249R	25	15.5	25.5	250	12/12	6/6	14.0	21.8	10
150	250R	28	16.5	28.5	300		7/7	15.7	34.4	10
185	251R	28	18.5	28.5	330		7/7	17.5	33.0	5
240	252R	34	21.5	34.5	350		7/7	20.2	54.0	5
300	253R	38	23.5	38.5	400		8/8	22.5	79.0	1

- * = not standardized
- ▶ Tools: see chart page 118

Compression joints, Al, full tension

- ▶ For full tension connections of Aldrey cables according to DIN EN 50182
- With code number for clear tool assignment
- ▶ Filled with contact grease for optimum crimp characteristics

Aldrey



Characteristics

- Total cross-section: 25 95 mm²
- With buttmarks for precise cable insertion
- Tube dimensions matched to aluminum steel cables
- With crimp markings for correct crimping

Material

■ AlMgSi F20

Surface

■ Bright finished

Nominal cross section			Dimens	sion mm	Number o	of crimps	Conductor dia.	Weight/ 100 pcs.	
mm ²	Part No.	Code	d1	1	mech.	hydr.	mm	~ kg	Packing unit/pcs
25	294AD	12	6.8	140	8/8		6.3	3.4	5
35	295AD	14	8.0	140	8/8		7.5	4.7	5
50	296AD	16	10.0	155	8/8		9.0	5.9	5
70	297AD	18	11.5	165	8/8		10.5	9.0	5
95	298AD	20	13.5	165	10/10	5/5	12.5	10.2	5

► Tools: see chart page 120



Compression cable lugs, Al/St, full tension





- ▶ Tube dimension matched to aluminum steel cables
- ▶ For full tension connections of Aldrey cables according to DIN EN 50182
- With code number for clear tool assignment
- Filled with contact grease for optimum crimp characteristics

Characteristics

- Total cross-section: 4 120 mm²
- With crimp markings for correct crimping
- Precise end machining for easy cable insertion

Material

■ E-Al

Surface

■ Bright finished

Nominal cross section	Size of bolt					sion mm		Conductor dia.	Weight/ 100 pcs.	Packing unit/
mm²	dia.	Part No.	Code	b	d1	d2		mm	~ kg	pcs
_	M 8	254R8	12	19	7.6	8.5	60	6.8	1.5	5
25 - 4	M 10	254R10	12	19	7.6	10.5	60	6.8	1.5	5
	M 12	254R12	12	23	7.6	13.0	60	6.8	1.6	5
05.0	M 10	255R10	14	21	9.0	10.5	67	8.1	2.0	5
35 - 6	M 12	255R12	14	21	9.0	13.0	67	8.1	2.2	5
	M 10	256R10	16	22	10.8	10.5	72	9.6	2.5	5
50 - 8	M 12	256R12	16	24	10.8	13.0	72	9.6	2.6	5
	M 16	256R16	16	26	10.8	17.0	72	9.6	2.7	5
	M 10	257R10	18	26	12.5	10.5	86	11.7	4.1	5
70 - 12	M 12	257R12	18	26	12.5	13.0	86	11.7	4.3	5
	M 16	257R16	18	32	12.5	17.0	86	11.7	4.4	5
05 45	M 12	258R12	22	31	14.8	13.0	91	13.6	7.8	5
95 - 15	M 16	258R16	22	33	14.8	17.0	91	13.6	6.6	5
	M 12	259R12	25	37	16.5	13.0	103	15.5	9.8	5
120 - 20	M 16	259R16	25	37	16.5	17.0	103	15.5	10.0	5
-	M 20	259R20	25	41	16.5	21.0	103	15.5	10.1	5

[▶] Tools: see chart page 120



Compression joints, Al/St, for non-tension connections

- For non-tension connections of Al/St cables to DIN EN 50182
- With code number for clear tool assignment
- ▶ Filled with contact grease for optimum crimp results

Al/St





Characteristics

- Total cross-section: 4 120 mm²
- With buttmarks for precise cable insertion
- With crimp markings for correct crimping
- Precise end machining for easy cable insertion

Material

■ E-Al

Surface

Bright finished

Nominal cross section mm ²	Part No.	Code	Dimens d1	ion mm	Number o	of crimps hydr.	Conductor dia.	Weight/ 100 pcs. ~ kg	Packing unit/pcs
25 - 4	444R	12	7.6	70	4/4	2/2	6.8	1.65	5
35 - 6	445R	14	9.0	85	5/5	2/2	8.1	2.75	5
50 - 8	446R	16	10.8	85	5/5	2/2	9.6	3.70	5
70 - 12	447R	18	12.5	105	6/6	3/3	11.7	5.20	5
95 - 15	448R	22	14.8	105	6/6	3/3	13.6	8.60	5
120 - 20	449R	25	16.5	125	6/6	3/3	15.5	12.20	5

> Tools: see chart page 121

Compression joints acc. to DIN, Al/St

- Acc. to DIN 48085, part 3
- ▶ For full tension connections of Al/St conductors to DIN EN 50182
- ▶ With code number for clear tool assignment
- Filled with contact grease for optimum crimp results





Characteristics

- Total cross-section: 4 120 mm²
- With crimp markings for correct crimping
- Precise end machining for easy cable insertion

Material

- Al sleeve: E-Al
- St sleeve: St 52

Surface

- Al sleeve: bright
- St sleeve: hot galvanized

Nominal cross section		Dimension mm					of crimps eel	Number (Conductor dia.	Weight/	Packing		
mm ²	Part No.	Code	d4.1	d4.2	11	12	Code Al	mech.	hydr.	mech.	hydr.	mm	~ kg	unit/pcs
25 - 4	454R	6	12.0	6.3	200	65	12	4/4		7/7		6.8	5	5
35 - 6	455R	6	14.0	6.3	235	75	14	5/5		8/8		8.1	7	5
50 - 8	456R	7	16.0	7.5	270	95	16	6/6		9/9		9.6	11	5
70 - 12	457R	9	18.5	9.5	270	95	18	6/6		9/9		11.7	15	5
95 - 15	458R	9	22.5	9.6	310	95	22	6/6		11/11		13.6	23	5
120 - 20	459R	13	25.0	13.0	380	110	25	7/7	4/4	13/13	6/6	15.5	36	- 5

> Tools: see chart page 121





Tool application chart

Compression cable lugs and connectors made from E-Al

Compression joints for full-tension connections from Al conductors DIN EN 50182, 16-95 $\rm mm^2$

Cringing range Cringing read Cringing re		Crimni	ng tools			Tool	l type				
Company range Corresponds to Coros Cor		Orimpi	119 10013		machanical	1001	Турс				
Page Content Content							Battery				
Tool Tool Adapter crimping tools des/heinds tools tools ping systems ping heads Crimping for Tool	nominal		Crimping boad/	Machanical		hydraulic	powered	Hudraulic crim-	Hudraulic orim-		Paga
EK354											
Texas Texa	10-70	K354			•					\bigcirc	260
10-150		EK354					•			\bigcirc	314
10-185		EK354L					•			\bigcirc	316
HK6018	10-150	EK505L					•			\bigcirc	318
EK5018L	10-185	K18			•					\bigcirc	262
PK18		HK6018				•				\bigcirc	286
THK18		EK5018L					•			\bigcirc	320
HK60UNV		PK18							•	\bigcirc	362
EK60UNVL + UA18		THK18						•		\circ	362
EKM60UNVL + UA18 ● 356 PK60UNV + UA18 ● 355 10-240 K22 ● 264 HK6022 ● 288 EK6022L ● 324 EKM6022L ● 322 EKM601DL ● 328 PK22 ● 364 THK22 ● 364 HK60UNV + UA22 ● 354 EK60UNVL + UA22 ● 357 EKM60UNVL + UA22 ● 356 PK60UNVL + UA22 ● 355 HK12042 ● 355 HK12042 ● 355 HK12042 ● 294 HK120U ● 294 HK120U ● 330 EK1203UL ● 330 EK12042L ● 332 EK12042L ● 334 HK122EL380 ● 330 FK12		HK60UNV	+ UA18			•				\bigcirc	354
PK60UNV		EK60UNVL	+ UA18				•			\bigcirc	357
10-240		EKM60UNVL	+ UA18				•				356
HK6022		PK60UNV	+ UA18						•	\bigcirc	355
EK6022L • 324 EKM602L • 322 EKM60IDL • 328 PK22 • 364 THK22 • 364 HK60UNV + UA22 • 354 EK60UNVL + UA22 • 357 EKM60UNVL + UA22 • 356 PK60UNV + UA22 • 355 HK12030 • 355 HK12042 • 292 HK12042 • 294 HK120U • 358 EK12030L • 330 EK12030L • 332 EK12042L • 334 HK122EL380 • 339 PK12042 • 368	10-240	K22			•						264
EKM6022L • 322 EKM60IDL • 328 PK22 • 364 THK22 • 364 HK60UNV + UA22 • 354 EK60UNVL + UA22 • 357 EKM60UNVL + UA22 • 356 PK60UNV + UA22 • 355 HK12030 • 0 292 HK12042 • 0 294 HK120U • 0 296 EK120UNVL • 0 330 EK12030L • 0 332 EK12042L • 0 334 HK122EL380 • 0 390 PK12042 • 0 368		HK6022				•				O	288
EKM60IDL • S28 PK22 • 364 THK22 • 364 HK60UNV + UA22 • 354 EK60UNVL + UA22 • 357 EKM60UNVL + UA22 • 356 PK60UNV + UA22 • 355 HK12030 • 0 292 HK12042 • 0 294 HK120U • 0 296 EK120UNVL • 0 358 EK12030L • 0 330 EK12042L • 0 334 HK122EL380 • 0 390 PK12042 • 0 368		EK6022L					•			O	324
PK22 • 364 THK22 • 364 HK60UNV + UA22 • 354 EK60UNVL + UA22 • 357 EKM60UNVL + UA22 • 356 PK60UNV + UA22 • 355 HK12030 • 9292 HK12042 • 94 HK120U • 96 EK120UNVL • 358 EK12030L • 330 EK12042L • 332 EK120UL • 334 HK122EL380 • 390 PK12042 • 368		EKM6022L					•			\bigcirc	322
THK22 • 364 HK60UNV + UA22 • 354 EK60UNVL + UA22 • 357 EKM60UNVL + UA22 • 356 PK60UNV + UA22 • 355 HK12030 • 929 HK12042 • 94 HK120U • 96 EK120UNVL • 358 EK12030L • 330 EK12042L • 332 EK120UL • 334 HK122EL380 • 390 PK12042 • 368		EKM60IDL					•			\odot	328
HK60UNV + UA22 • 354 EK60UNVL + UA22 • 357 EKM60UNVL + UA22 • 356 PK60UNV + UA22 • 355 HK12030 • ○ 292 HK12042 • ○ 294 HK120U • ○ 296 EK120UNVL • ○ 358 EK12030L • ○ 330 EK12042L • ○ 334 HK122E1380 • ○ 390 PK12042 • ○ 368		PK22							•	\bigcirc	364
EKGUUNVL + UA22 • 357 EKMGOUNVL + UA22 • 356 PK60UNV + UA22 • 355 HK12030 • ○ 292 HK12042 • ○ 294 HK120U • ○ 296 EK120UNVL • ○ 358 EK12030L • ○ 330 EK12042L • ○ 334 HK122E1380 • ○ 390 PK12042 • ○ 368		THK22						•		\bigcirc	364
EKM60UNVL + UA22 • 356 PK60UNV + UA22 • 355 HK12030 • ○ 292 HK12042 • ○ 294 HK120U • ○ 296 EK120UNVL • ○ 358 EK12030L • ○ 330 EK12042L • ○ 332 EK120UL • ○ 334 HK122E1380 • ○ 386 PK12042 • ○ 368		HK60UNV	+ UA22			•				\bigcirc	354
PK60UNV + UA22 • 355 HK12030 • 292 HK12042 • ○ 294 HK120UV • ○ 296 EK120UNVL • ○ 358 EK12030L • ○ 330 EK12042L • ○ 332 EK120UL • ○ 334 HK122E1380 • ○ 390 PK12042 • ○ 368		EK60UNVL	+ UA22				•			\bigcirc	357
HK12030 • 292 HK12042 • ○ 294 HK120U • ○ 296 EK120UNVL • ○ 358 EK12030L • ○ 330 EK12042L • ○ 332 EK120UL • ○ 334 HK122E1380 • ○ 390 PK12042 • ○ 368		EKM60UNVL	+ UA22				•			\bigcirc	356
HK12042 • 294 HK120U • 296 EK120UNVL • 358 EK12030L • 330 EK12042L • 332 EK120UL • 334 HK122EL380 • 390 PK12042 • 368		PK60UNV	+ UA22						•	\bigcirc	355
HK120U • 296 EK120UNVL • 358 EK12030L • 330 EK12042L • 332 EK120UL • 334 HK122E1380 • 390 PK12042 • 368		HK12030				•				\bigcirc	292
EK120UNVL • .		HK12042				•				\bigcirc	294
EK12030L • 330 EK12042L • ○ 332 EK120UL • ○ 334 HK122EL380 • ○ 390 PK12042 • ○ 368		HK120U				•				\bigcirc	296
EK12042L • 332 EK120UL • ○ 334 HK122EL380 • ○ 390 PK12042 • ○ 368		EK120UNVL					•			\bigcirc	358
EK120UL • 334 HK122EL380 • ○ 390 PK12042 • ○ 368		EK12030L					•			\bigcirc	330
EK120UL • 334 HK122EL380 • ○ 390 PK12042 • ○ 368		EK12042L					•			\bigcirc	332
PK12042 • ○ 368		EK120UL					•				334
PK12042 • ○ 368		HK122EL380						•		\bigcirc	390
		PK12042							•		368
									•		370

See next page





■ Tool application chart

Compression cable lugs and connectors made from E-Al

Compression joints for full-tension connections from Al conductors DIN EN 50182, 16-95 mm²

	Crimpin	g tools			Tool	type				
		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)
10-500	HK252						•		0	388
	HK252EL380						•		0	391
	PK252							•	0	372
150-500	HK45				•				0	389
10-500 H H 150-500 H	PK45							•	\bigcirc	374





Tool application chart

Compression joints for full-tension connections from Aldrey conductors to DIN EN 50182 and Al conductors to DIN EN 50182, 120-300 mm²

Crimplety ration Crimplety ration Crimplety heard Mechanical interfection Green market Crimplety heard Mechanical interfection Green market Crimplety heard Mechanical interfection Green market Crimplety heard Crimplety h		Crimpin	ig tools			Tool	type				
Page											
25-50 R354	corresponds to nominal cross-section				with interchangeable	hydraulic crimping	powered crimping				
EX354			Adapter	crimping tools		tools	tools	ping systems	ping heads	<u> </u>	
EX354L	25-50				•						
THE STATE											
HK6018							•				
EK505L	25-95				•						
FK5018L						•					
PK18											
THK18							•				
HKGOUNVL									•		
EKGOUNVL								•			
EKM60UNV						•					
PK60UNV											
							•				
HK6022			+ UA18						•		
EK6022L	25-185				•						
EKM6022L • 322 PK22 • 364 THK22 • 364 HK60UNV		HK6022				•					288
PK22 • ○ 364 THK22 • ○ 364 HK60UNV + UA22 • ○ 354 EK60UNVL + UA22 • ○ 357 EKM60UNVL + UA22 • ○ 356 PK60UNV + UA22 • ○ 355 HK12030 • ○ 292 HK12042 • ○ 294 HK120U • ○ 330 EK12030L • ○ 330 EK12042L • ○ 332 EK120UL • ○ 334 EK120UL • ○ 358 HK122EL380 • ○ 368 PK120U • ○ 368 PK120U • ○ 368 PK120U • ○ 370 25-300 HK252 • ○ 388 HK252EL380 • ○ 372 150-300 HK45 • ○ 372							•				
THK22 • ○ 364 HK60UNV + UA22 • ○ 354 EK60UNVL + UA22 • ○ 357 EKM60UNVL + UA22 • ○ 356 PK60UNV + UA22 • ○ 355 HK12030 • ○ 292 HK12042 • ○ 296 EK12030L • ○ 330 EK12030L • ○ 332 EK12042L • ○ 334 EK120UL • ○ 334 EK120UL • ○ 358 HK122EL380 • ○ 368 PK120U • ○ 388 PK120U • ○ 388 HK252 • ○ 391 PK252 • ○ 372 150-300 HK45 • ○ 389							•				
HK60UNV									•		
EK60UNVL + UA22 • 357 EKM60UNVL + UA22 • 356 PK60UNV + UA22 • 355 HK12030 • 292 HK12042 • 294 HK120U • 296 EK12030L • 330 EK12042L • 332 EK120UL • 334 EK120UNVL • 358 HK122EL380 • 390 PK12042 • 368 PK120U • 370 25-300 HK252 • 388 HK252EL380 • 391 PK252 • 372 150-300 HK45 • 389								•			
EKM60UNVL + UA22 • 356 PK60UNV + UA22 • 355 HK12030 • 929 HK12042 • 294 HK120U • 330 EK12030L • 332 EK12042L • 332 EK120UL • 358 HK122EL380 • 390 PK12042 • 368 PK120U • 370 25-300 HK252 • 381 HK252EL380 • 391 PK252 • 372 150-300 HK45 • 389		HK60UNV	+ UA22			•					354
PK60UNV + UA22 • 355 HK12030 • 292 HK12042 • 294 HK120U • 296 EK12030L • 330 EK12042L • 332 EK120UL • 334 EK120UNVL • 358 HK122EL380 • 390 PK12042 • 368 PK120U • 370 25-300 HK252 • 381 HK252EL380 • 391 PK252 • 372 150-300 HK45 • 389		EK60UNVL	+ UA22				•				357
HK12030		EKM60UNVL	+ UA22				•				356
HK12042		PK60UNV	+ UA22						•	0	355
HK120U		HK12030				•					292
EK12030L • 330 EK12042L • 332 EK120UL • 334 EK120UNVL • 358 HK122EL380 • 390 PK12042 • 368 PK120U • 370 25-300 HK252 • 388 HK252EL380 • 391 PK252 • 372 150-300 HK45 • 389		HK12042				•				0	294
EK12042L • 332 EK120UL • 334 EK120UNVL • 358 HK122EL380 • 390 PK12042 • 368 PK120U • 370 25-300 HK252 • 388 HK252EL380 • 391 PK252 • 372 150-300 HK45 • 389		HK120U				•				\bigcirc	296
EK120UL • 334 EK120UNVL • 358 HK122EL380 • 390 PK12042 • 368 PK120U • 370 25-300 HK252 • 388 HK252EL380 • 391 PK252 • 372 150-300 HK45 • 389		EK12030L					•			\bigcirc	330
EK120UNVL • 358 HK122EL380 • 390 PK12042 • 368 PK120U • 370 25-300 HK252 • 388 HK252EL380 • 391 PK252 • 372 150-300 HK45 • 389		EK12042L					•				332
HK122EL380 • 390 PK12042 • 368 PK120U • 370 25-300 HK252 • 388 HK252EL380 • 391 PK252 • 372 150-300 HK45 • 389		EK120UL					•			\bigcirc	334
PK12042 • ○ 368 PK120U • ○ 370 25-300 HK252 • ○ 388 HK252EL380 • ○ 391 PK252 • ○ 372 150-300 HK45 • ○ 389		EK120UNVL					•			\bigcirc	358
PK120U • 370 25-300 HK252 • 388 HK252EL380 • ○ 391 PK252 • ○ 372 150-300 HK45 • ○ 389		HK122EL380						•		\bigcirc	390
25-300 HK252 • 388 HK252EL380 • 391 PK252 • 372 150-300 HK45 • 389		PK12042							•	\bigcirc	368
HK252EL380 • ○ 391 PK252 • ○ 372 150-300 HK45 • ○ 389		PK120U							•	\bigcirc	370
PK252 •	25-300	HK252						•		\bigcirc	388
150-300 HK45 • \(\square\) 389		HK252EL380						•		\bigcirc	391
		PK252							•	\bigcirc	372
PK45 • ○ 374	150-300	HK45				•				\bigcirc	389
		PK45							•	\bigcirc	374





■ Tool application chart

Compression joints for full-tension connections from AI/St. cables to DIN EN 50182 Compression joints for full-tension connections to DIN 48085, part 3 for AI/St. cables to DIN EN 50182

	Crimpin	ng tools			Tool	type				
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads		Page (Tool)
25/4-120/20	K22			•					0	264
	HK6022				•				\bigcirc	288
	EK6022L					•			\bigcirc	324
	EKM6022L					•			\bigcirc	322
	PK22							•	\bigcirc	364
	THK22						•		\bigcirc	364
	HK60UNV	+ UA22			•				\bigcirc	354
	EK60UNVL	+ UA22				•			\bigcirc	357
	EKM60UNVL	+ UA22				•			\circ	356
	PK60UNV	+ UA22						•	0	355
	HK12030				•				0	292
	HK12042				•				0	294
	HK120U				•				\bigcirc	296
	EK12030L					•			\bigcirc	330
	EK12042L					•			\circ	332
	EK120UL					•			\circ	334
	HK122EL380						•		\bigcirc	390
	PK12042							•	0	368
	PK120U							•	\bigcirc	370
	HK252						•		\bigcirc	388
	HK252EL380						•		\circ	391
	PK252							•	\circ	372





simply connected.

Compression cable lugs and connectors for aluminum-copper connections.

Copper's electrical properties still make it the best material for conductors and electrical connections. There are, however, also good reasons for using aluminum. The need to connect these two materials together is therefore becoming more frequent.

But because it's not that simple to join aluminum and copper and because they have a tendency to self-passivate through fast oxidation, special aluminum/copper cable lugs and connectors are required - for connecting to distributor networks or transformer stations and also for network reconstruction, for example.



The perfect solution for transitions from aluminum to copper conductors and vice versa.



- Aluminum/copper compression cable lugs to DIN dimensions with copper palm or copper eye to 400 mm².
- Compression joints with copper connecting bolt.
- Reduction compression joints to DIN from 10 mm² to 300 mm².

■ Connecting aluminum and copper correctly.



- Aluminum/copper compression cable lugs for aluminum conductors to DIN 48201 and pre-rounded sector-shaped conductors with a nominal cross section up to 400 mm².
- With copper palm or copper eye.
- Aluminum/copper compression joints with nominal cross sections of 10 mm² to 300 mm².

Benefits:

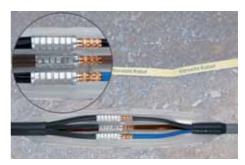
Aluminum and copper conductors can be connected in a dry environment, without destructive oxidation occurring between the two materials.

Reduction compression joints as a solution for **different diameters**.

- ▶ With nominal cross sections from 10 mm² to 300 mm².
- ▶ For round or sector-shaped, multi-stranded and also sector-shaped solid conductors.
- ▶ For non-tension connections.

Benefits:

- Numerous compression joints are available for connecting copper and aluminum conductors, allowing optimised compression of these conductors.
- Different materials can be safely connected regardless of their particular dimensions.
- No matter which cable type is discovered in network reconstruction, Klauke offers a suitable connection solution.



More from Page 126.



For underground connections, we recommend protection against moisture - using cast resin sleeves for example.

Klauke®

Aluminum/copper compression cable lugs and connectors

Compression cable lugs, Al/Cu





- ▶ Tube dimension to DIN 46329
- For non-tension connections of Al cables to DIN 48201, part 5 and aluminum cables to DIN EN 50182
- ▶ For screwing aluminum connections using copper washers in humid areas
- ▶ With code number for clear tool assignment
- ▶ Filled with contact grease for optimum crimp characteristics

Characteristics

- Total cross-section: 16 300 mm² rm/sm
- Barrier design with oil stop and with solid copper screw-on palm
- For pre-rounded sector shaped conductors
- With crimp markings for correct crimping
- Precise end machining for easy cable insertion

Material

- E-Al
- Copper acc. to EN 13600

Surface

Bright finished

Nominal cross	s section mm²	Size of bolt				Dimens	ion mm		Number	of crimps	Weight 10	00 pcs. ~kg	Packin
rm/sm	se	dia.	Part No.	Code	b	d1	d2	- 1	mech.	hydr.	Cu	Total	unit/pc
16	25	M 8	363R8	12	25	6.0	8.5	67.5	4	2	4.4	5.9	10
10	25	M 10	363R10	12	25	6.0	10.5	67.5	4	2	4.2	5.7	10
	35	M 8	364R8	12	25	6.8	8.5	67.5	4	2	4.4	5.8	10
25	35	M 10	364R10	12	25	6.8	10.5	67.5	4	2	4.2	5.6	10
	35	M 12	364R12	12	25	6.8	13.0	67.5	4	2	3.9	5.3	10
	50	M 8	365R8	14	25	8.0	8.5	76.5	5	2	4.4	6.3	10
35	50	M 10	365R10	14	25	8.0	10.5	76.5	5	2	4.2	6.1	10
	50	M 12	365R12	14	25	8.0	13.0	76.5	5	2	3.8	5.8	10
	70	M 8	366R8	16	25	9.8	8.5	76.5	5	2	4.4	6.4	10
50	70	M 10	366R10	16	25	9.8	10.5	76.5	5	2	4.2	6.2	10
50 - 70 - 95 - 120 -	70	M 12	366R12	16	25	9.8	13.0	76.5	5	2	3.9	5.9	10
70 —	95	M 10	367R10	18	25	11.2	10.5	84.5	6	3	4.2	7.4	10
	95	M 12	367R12	18	25	11.2	13.0	84.5	6	3	3.9	7.1	10
	120	M 10	368R10	22	30	13.2	10.5	90.5	6	3	7.4	11.4	10
95	120	M 12	368R12	22	30	13.2	13.0	90.5	6	3	6.8	10.8	10
	120	M 16	368R16	22	30	13.2	17.0	90.5	6	3	6.4	10.4	10
	150	M 12	369R12	22	30	14.7	13.0	92.0	6	3	6.8	11.4	5
120	150	M 16	369R16	22	30	14.7	17.0	92.0	6	3	6.4	10.8	5
	185	M 12	370R12	25	30	16.3	13.0	104.0	6	3	6.8	13.1	5
150	185	M 16	370R16	25	30	16.3	17.0	104.0	6	3	6.4	12.7	5
	185	M 20	370R20	25	35	16.3	21.0	107.5	6	3	10.1	16.4	5
	240	M 10	371R10	28	30	18.3	10.5	105.0	6	3	10.3	18.6	5
	240	M 12	371R12	28	30	18.3	13.0	105.0	6	3	10.1	18.4	5
185	240	M 16	371R16	28	30	18.3	17.0	105.0	6	3	9.3	17.6	5
	240	M 20	371R20	28	35	18.3	21.0	107.5	6	3	10.1	18.4	5
	300	M 10	372R10	32	35	21.0	10.5	118.5	8	3	12.1	22.5	5
	300	M 12	372R12	32	35	21.0	13.0	118.5	8	3	11.8	22.2	5
95	300	M 16	372R16	32	35	21.0	17.0	118.5	8	3	11.0	21.4	5
	300	M 20	372R20	32	35	21.0	21.0	118.5	8	3	10.1	20.5	5



Nominal cross	s section mm²	Size of bolt						Weight 10	10 pcs. ~kg	Packing			
rm/sm	se	dia.	Part No.	Code	b	d1	d2	1	mech.	hydr.	Cu	Total	unit/pcs
		M 12	373R12	34	36	23.3	13.0	123.5	8	3	17.7	33.7	1
300		M 16	373R16	34	36	23.3	17.0	123.5	8	3	16.9	32.9	1
		M 20	373R20	34	36	23.3	21.0	123.5	8	3	16.0	32.0	1

- sm/se conductor needs to be pre-rounded
- sm = sector stranded
- rm = round multi-stranded
- se = sector solid
 Tools: see chart page 130

Compression cable lugs, Al/Cu, with copper eye

3

3

1.735

2.655

9.50

10.00

6

6

- ▶ Tube dimension to DIN 46329
- For non-tension connections of Al cables to DIN 48201, part 5 and aluminum cables to DIN EN 50182
- With code number for clear tool assignment
- Filled with contact grease for optimum crimp characteristics





Characteristics

- Total cross-section: 10 400 mm² rm/sm
- For screwing non-tension aluminum connections using copper washers in humid areas
- For pre-rounded sector shaped conductors
- With copper eye in screw-on area
- With crimp markings for correct crimping
- Precise end machining for easy cable insertion

Material

- E-Al
- Copper acc. to EN 13600

Surface

95

120

120

M 12

M 16

308R12

308R16

22

22

35

38

13.2

13.2

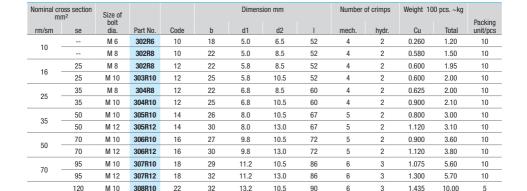
13.0

17.0

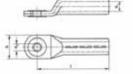
90

90

■ Bright finished







5

5

KlauKe®

Aluminum/copper compression cable lugs and connectors

Compression cable lugs, Al/Cu, with copper eye

	ross section m²	Size of				Dimens	ion mm		Number	of crimps	Weight 10	0 pcs. ~kg	
rm/sm	se	bolt dia.	Part No.	Code	b	d1	d2	1	mech.	hydr.	Cu	Total	Packing unit/pcs
100	150	M 12	309R12	22	35	14.7	13.0	91	6	3	1.810	8.70	5
120	150	M 16	309R16	22	38	14.7	17.0	91	6	3	2.230	8.80	5
	185	M 12	310R12	25	35	16.3	13.0	103	6	3	2.025	12.20	5
150	185	M 16	310R16	25	41	16.3	17.0	103	6	3	2.655	12.30	5
	185	M 20	310R20	25	44	16.3	21.0	103	6	3	3.620	12.80	5
	240 185 240	M 12	311R12	28	40	18.3	13.0	106	6	3	2.320	15.00	5
185	240	M 16	311R16	28	42	18.3	17.0	106	6	3	4.975	15.50	5
	240	M 20	311R20	28	46	18.3	21.0	106	6	3	4.610	15.50	5
	300	M 12	312R12	32	45	21.0	13.0	116	8	3	2.750	20.00	5
240	300	M 16	312R16	32	45	21.0	17.0	116	8	3	3.400	21.00	5
	300	M 20	312R20	32	49	21.0	21.0	116	8	3	4.600	22.00	5
200		M 16	313R16	34	51	23.3	17.0	124	8	3	3.980	21.60	1
300		M 20	313R20	34	51	23.3	21.0	124	8	3	5.510	22.20	1
400		M 16	314R16	38	58	26.0	17.0	165		4	4.200	35.00	1
400		M 20	314R20	38	58	26.0	21.0	165		4	5.950	35.00	1

sm/se - conductor needs to be pre-rounded

Compression joints, Al/Cu







- Tube dimensions to DIN 46267 part 1 and 2
- For non-tension connections of Al cables to DIN 48201, part 5 and aluminum cables to DIN EN 50182
- ▶ With code number for clear tool assignment

Characteristics

- Total cross-section: 10 300 mm²
- For connecting non-tension aluminum and copper connections
- With crimp markings for correct crimping
- Precise end machining for easy cable insertion

Material

- E-Al
- Copper acc. to EN 13600

Surface

■ Bright finished

Nomin	al cross section	on mm²		Co	ode	1	Dimension mm		Weight 10	00 pcs. ~kg	Packing unit/
Al rm/sm	Al se	Cu rm/sm	Part No.	Al	Cu	1	Al	Cu	Cu	Total	pcs
10	16	10	322R10	10	6	55.0	5.0	4.5	0.212	1.100	4
10	16	16	322R16	10	8	61.0	5.0	5.4	0.714	1.550	4
10	25	10	323R10	12	6	55.0	6.0	4.5	0.212	1.500	4
16	25	16	323R16	12	8	61.0	6.0	5.4	0.714	1.750	4
	35	10	324R10	12	6	55.0	6.8	4.5	0.212	1.400	4
	35	16	324R16	12	8	61.0	6.8	5.5	0.714	1.650	4
25	35	25	324R25	12	10	61.0	6.8	7.0	0.892	1.900	4
	35	35	324R35	12	12	61.0	6.8	8.2	1.624	2.000	4
	35	50	324R50	12	14	72.0	6.8	10.0	2.362	3.500	4
05/4	35	16	324R416	12	8	61.0	7.6	5.5	0.714	1.600	4
25/4	35	25	324R425	12	10	61.0	7.6	7.0	0.892	1.850	4

[▶] sm = sector stranded

rm = round multi-stranded

se = sector solid

[►] Tools: see chart page 130



Compression joints, Al/Cu

Nomina	al cross secti	on mm²		Со	de		Dimension mm	ı	Weight 10) pcs. ~ka	
Al rm/sm	Al se	Cu rm/sm	Part No.	Al	Cu	1	Al	Cu	Cu	Total	Packing unit/ pcs
Al IIII/SIII	50	16	325R16	14	8	71.0	8.0	5.5	0.714	2.500	4
-	50	25	325R25	14	10	71.0	8.0	7.0	0.892	2.650	4
35 -	50	35	325R35	14	12	71.0	8.0	8.2	1.519	3.300	4
-	50	50	325R50	14	14	77.0	8.0	10.0	2.362	3.530	4
	50	16	325R616	14	8	71.0	9.0	5.5	0.714	2.450	4
35/6	50	25	325R625	14	10	71.0	9.0	7.0	0.892	2.600	4
-	50	35	325R635	14	12	71.0	9.0	8.2	1.624	3.250	4
	70	16	326R16	16	8	71.5	9.8	5.5	0.714	2.850	4
-	70	25	326R25	16	10	71.5	9.8	7.0	0.892	3.200	4
50 -	70	35	326R35	71.5	9.8	8.2	16	12	1.624	3.800	4
-	70	50	326R50	77.5	9.8	10.0	16	14	2.362	4.550	4
	95	16	327R16	79.0	11.2	5.5	18	8	0.714	4.100	4
-	95	25	327R25	79.0	11.2	7.0	18	10	0.892	3.950	4
-	95	35	327R35	79.0	11.2	8.2	18	12	1.624	4.900	4
70	95	50	327R50	85.0	11.2	10.0	18	14	2.362	5.700	4
	95	70	327R70	86.0	11.2	11.5	18	16	2.921	7.250	4
-	95	95	327R95	95.0	11.2	13.5	18	18	4.957	9.360	4
-	95	120	327R120	99.0	11.2	15.5	18	20	5.640	10.540	4
	120	16	328R16	79.0	13.2	5.5	22	8	0.714	6.150	4
-	120	25	328R25	79.0	13.2	7.0	22	10	0.892	6.300	4
-	120	35	328R35	79.0	13.2	8.2	22	12	1.519	6.800	4
95	120	50	328R50	85.0	13.2	10.0	22	14	2.362	8.050	4
-	120	70	328R70	87.0	13.2	11.5	22	16	3.105	8.200	4
-	120	95	328R95	95.0	13.2	13.5	22	18	4.957	10.350	4
-	120	120	328R120	95.0	13.2	15.5	22	20	5.640	11.550	4
	150	35	329R35	81.0	14.7	8.2	22	12	1.519	7.600	4
-	150	50	329R50	87.0	14.7	10.0	22	14	2.362	7.900	4
120	150	70	329R70	89.0	14.7	11.5	22	16	3.105	8.500	4
-	150	95	329R95	97.0	14.7	13.5	22	18	4.857	11.000	4
-	150	120	329R120	97.0	14.7	15.5	22	20	5.640	10.280	4
	185	16	330R16	91.5	16.3	5.4	25	8	0.714	7.800	4
-	185	25	330R25	91.5	16.3	6.8	25	10	0.892	8.000	4
-	185	35	330R35	91.5	16.3	8.2	25	12	1.624	8.400	4
-	185	50	330R50	98.5	16.3	10.0	25	14	2.362	10.200	4
150 -	185	70	330R70	99.5	16.3	11.5	25	16	3.105	10.350	4
-	185	95	330R95	107.5	16.3	13.5	25	18	4.957	12.650	4
-	185	120	330R120	107.5	16.3	15.5	25	20	5.640	13.900	4
-	185	150	330R150	124.0	16.3	17.0	25	22	8.231	16.700	4
	240	50	331R50	99.0	18.3	10.0	28	14	2.362	12.100	1
-	240	70	331R70	100.0	18.3	11.5	28	16	3.105	13.000	1
-	240	95	331R95	108.0	18.3	13.5	28	18	4.957	14.450	1
185	240	120	331R120	108.0	18.3	15.5	28	20	5.640	13.720	1
-	240	150	331R150	113.0	18.3	17.0	28	22	8.231	19.550	1
-	240	185	331R185	116.0	18.3	19.0	28	25	9.621	21.000	1
	300	50	332R50	110.0	21.0	10.0	32	14	2.362	16.500	1
-	300	70	332R70	111.0	21.0	11.5	32	16	3.105	18.000	1
-	300	95	332R95	119.0	21.0	13.5	32	18	4.957	19.000	1
240	300	120	332R120	119.0	21.0	15.5	32	20	5.640	20.500	1
	300	150	332R150	124.0	21.0	17.0	32	22	8.231	23.300	1
-	300	185	332R185	127.0	21.0	19.0	32	25	9.621	25.500	1
-	300	240	332R240	128.0	21.0	21.5	32	28	12.705	30.100	1
								-			



Compression joints, AI/Cu

Nomin	al cross sectio	n mm²		Co	de		Dimension mm	l	Weight 10	0 pcs. ~kg	Packing unit/
Al rm/sm	Al se	Cu rm/sm	Part No.	Al	Cu	1	Al	Cu	Cu	Total	pcs
		120	333R120	119.0	23.5	15.5	34	20	5.640	27.800	1
		150	333R150	124.0	23.5	17.0	34	22	8.234	31.100	1
300		185	333R185	127.0	23.5	19.0	34	25	9.621	32.700	1
		240	333R240	128.0	23.5	21.5	34	28	12.705	37.500	1
		300	333R300	134.0	23.5	24.5	34	32	16.099	41.700	1

- ▶ sm/se conductor needs to be pre-rounded
- sm = sector stranded
- rm = round multi-stranded
- ▶ se = sector solid
- 1 Use for the copper side of the article DIN sleeve for compacted conductors.
- 1 Sleeves for compacted conductors and sleeves for 3- and 4-core conductors see chapter "Sleeves for compacted and sector shaped conductors-Cu"
- 1 Reduction sleeves to connect different cross sections can be found at 83
- ▶ Tools: see chart page 130

Compression joints with copper connecting bolt, Al







- Tube dimensions to DIN 46267 part 1 and 2
- ▶ For non-tension connections of AI cables to DIN 48201, part 5 and aluminum cables to DIN EN 50182
- With code number for clear tool assignment

Characteristics

- Total cross-section: 25 300 mm²
- For screwing non-tension AI connections in Cu clamps
- With crimp markings for correct crimping
- Also for pre-rounded sector shaped conductors
- Precise end machining for easy cable insertion

Material

- E-Al
- Copper acc. to EN 13600

Surface

■ Bright finished

Nominal cros	s section mm²			Bolt dia.	Conductor dia.	Difficusion film			Weight 10	0 pcs. ~kg	Packing	
rm/sm	se	Part No.	Code	mm	mm	d dia.	d1	1	11	Cu	Total	unit/pcs
25	35	344R	12	6	6.3	12.0	6.8	58	20	0.462	1.6	10
35	50	345R	14	7	7.5	14.0	8.0	71	22	0.695	2.5	10
50	70	346R	16	8	9.0	16.0	10.0	74	25	1.037	3.3	10
70	95	347R	18	10	10.5	18.5	11.5	87	30	1.958	5.4	10
95	120	348R	22	12	12.5	23.0	13.2	91	33	3.112	8.7	10
120	150	349R	22	12	14.0	23.0	15.0	97	38	3.598	9.0	10
150	185	350R	25	12	15.8	25.5	16.5	108	38	3.598	10.9	10
185	240	351R	28	14	17.5	28.5	18.5	116	44	3.692	15.7	5
240	300	352R	32	16	20.3	32.5	21.5	128	44	7.435	21.8	5
300		353R	34	18	22.5	34.5	23.5	131	46	9.410	26.7	1

- ▶ sm/se conductor needs to be pre-rounded
- ▶ sm = sector stranded
- rm = round multi-stranded
- ▶ se = sector solid
- ▶ Tools: see chart page 130



Bi-metallic washer

▶ Flat washer for processing aluminum and copper cable lugs

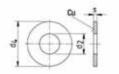
Characteristics

- Galvanic separation between copper and aluminum
- Only for use in dry areas

Material

■ E-Al, one side copper plated





Size of bolt dia.	Part No.	d2	Dimension mm d4	s	Weight/ 100 pcs. ~ kg	Packing unit/pcs
M 8	CS818	8.5	18	1	0.09	10
M 10	CS1022	11.0	22	2	0.26	10
M 12	CS1228	13.0	28	2	0.44	10
M 14	CS1428	15.0	28	2	0.40	10
M 16	CS1635	17.0	35	2	0.66	10





Tool application chart

Compression cable lugs and connectors made from Al/Cu

	Crimping tools Tool type									
				mechanical,						
Crimping range				electrical,						
corresponds to				pneumatic, crimping tools	Hand	Battery				
Crimping range corresponds to nominal cross-section		Crimping head/ Adapter		with interchangeable	hydraulic crimping tools	powered crimping tools	Hydraulic crim-	Hydraulic crim-		Page
mm²	Tools	Adapter	crimping tools	dies/heads	tools	tools	ping systems	ping heads	Crimp profile	(Tool)
	354			•		•			0	260
	K354					•			0	314
10-185 K1	K354L			•		•			$\overline{\circ}$	316 262
_	K6018				•				\	286
_	K5018L					•			$\overline{\circ}$	320
	K18							•		362
	HK18						•		$\frac{\circ}{\circ}$	362
		+ UA18			•				 	354
		+ UA18				•			0	357
		+ UA18				•			0	356
	K60UNV	+ UA18						•	$\overline{\circ}$	355
10-240 K2				•					$\overline{\bigcirc}$	264
_	K6022				•				<u> </u>	288
EK	K6022L					•			<u> </u>	324
EK	KM6022L					•			0	322
PK	K22							•	\bigcirc	364
TH	HK22						•		\bigcirc	364
НК	K60UNV	+ UA22			•				\bigcirc	354
EK	K60UNVL	+ UA22				•			\bigcirc	357
EK	KM60UNVL	+ UA22				•			\bigcirc	356
PK	K60UNV	+ UA22						•	\bigcirc	355
НК	K12030				•				\bigcirc	292
НК	K12042				•				\bigcirc	294
HK	K120U				•				\bigcirc	296
EK	K12030L					•			\bigcirc	330
EK	K12042L					•			\bigcirc	332
EK	K120UL					•			\bigcirc	334
EK	K120UNVL					•			\bigcirc	358
HK	K122EL380						•		\bigcirc	390
	K12042							•		368
	K120U							•	0	370
	K252						•		<u> </u>	388
	K252EL380						•		<u> </u>	391
	K252							•		372
	K45				•				0	389
PK	K45							•	<u> </u>	374















C and H-shaped clamps as well as parallel groove clamps are used wherever power lines are branched. Screw connectors are a practical alternative for service and maintenance since they can be used across the entire cross-section spectrum. Just a few variants cover all possible connections. Screw connectors can be used on aluminum cables without compound as the special grooved profile pierces the oxide layer during the screwing operation.

The key benefit of compact tap connectors is that, provided the specified safety precautions are taken, they can also be installed while live.



The H-clamps in our range are lightning current tested to EN 50164-1 Class H (100 kA 10/350 µs).

- C and H-shaped clamps.
- Parallel groove clamps.
- Screw connectors, also barrier types, for aluminum/copper connections.
- Compact tap connectors for 3 and 4 core sector-shaped cables.



■ Branching without splitting the conductor.

- C and H-shaped clamps with nominal cross sections from 2.5 mm² to 185 mm².
- ▶ Parallel groove clamps from 2.5 mm² to 150 mm².
- ▶ Either with or without thrust plate.

Renefits:

- Cables can be branched into various nominal cross-sections without having to cut the main conductor.
- Thrust plates on parallel groove clamps guarantee optimal hold of the branch connection as pressure is being distributed symmetrically.
- More from Page 137.



■ Simply screw – and the connection is made.



More from Page 141.

- For aluminum and copper conductors.
- With nominal cross sections from 2.5 mm² to 185 mm².
- With or without shear heads.
- Special grooved profile on the inside.

Benefits:

- Suitable screw connectors for diverse applications such as street lighting or using copper sheathed wires and plastic-insulated conductors.
- No torque wrench required to install screw connectors with shear heads, since the screw shears off on reaching the required torque
- During screwing the grooved profile pierces the oxide layer on the conductor guaranteeing always a perfect contact.

Installation without downtimes.

- Compact tap connectors with nominal cross sections up to 185 mm².
- ▶ For 3 and 4 sector-shaped conductors with angles of 120° and 90° respectively.
- For aluminum and copper conductors.
- With or without shear heads for the main conductor.
- Can be installed live to VDE specifications using the correct Klauke tools (more from Page 476).



More from Page 147.

Benefits:

- ▶ The range includes proper solutions for practically every application.
- You can install tap conductors without disconnecting the power supply. No interruption of production sequences, operation can be maintained.
- Multi-phase tap conductors can be installed without disrupting the main conductor, even in tight spaces.



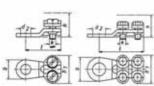
 Screw connectors and compact tap connectors should be protected against moisture because of varying material properties after processing.





Punched cable lugs, Cu





 For screwing conductors to VDE 0295 Class 1 and 2, for example in lightning protection areas

Characteristics

- Total cross-section: 6 300 mm²
- Also for outdoor assembly
- Available with 2 or 4 screws

Material

- Cu-ETP
- Screws: DIN 84 / DIN 933 bronze, F 60

Surface

■ Tin-plated

Order info

■ Bright finish version also available, part number appendix "bk"

Nominal cross section				Dimens	ion mm		ı	Number of	Weight/ 100 pcs.	Packing unit/
mm ²	Part No.	b	b1	d2	k	h	1	screws	~ kg	pcs
6 - 10	572R6	15.0	18.0	6.5	M4	10	23.0	2	1.30	50
10 - 16	573R6	15.0	20.5	6.5	M5	14	27.0	2	1.30	50
10 - 10	573R8	15.0	20.5	8.5	M5	14	27.0	2	1.30	50
	574R8	15.0	25.0	8.5	M5	16	30.0	2	2.75	50
16 - 25	584R8	18.5	22.5	8.5	M5	16	36.0	4	3.70	25
	584R10	19.5	22.5	10.5	M5	16	37.0	4	3.75	25
	575R8	18.5	24.0	8.5	M5	16	25.5	2	2.50	50
05 05	585R8	18.5	24.0	8.5	M5	16	38.5	4	4.30	25
25 - 35	585R10	21.5	24.0	10.5	M5	16	42.0	4	4.65	25
	585R12	21.5	24.0	13.0	M5	16	42.0	4	4.50	25
05 50	586R10	19.0	28.0	10.5	M6	19	46.0	4	6.75	25
35 - 50	586R12	21.0	28.0	13.0	M6	19	47.0	4	6.70	25
50 - 70	587R10	23.5	31.0	10.5	M6	19	51.0	4	9.35	10
50 - 70	587R12	23.5	31.0	13.0	M6	19	51.0	4	9.30	10
70 - 95	588R10	24.0	34.0	10.5	M6	25	57.0	4	12.00	10
70 - 95	588R12	24.0	34.0	13.0	M6	25	57.0	4	11.85	10
	589R10	30.0	42.0	10.5	M8	32	61.0	4	20.15	10
95 - 150	589R12	30.0	42.0	13.0	M8	32	61.0	4	20.20	10
	589R16	30.0	42.0	17.0	M8	32	61.5	4	20.10	10
	590R10	34.0	48.5	10.5	M8	32	68.5	4	24.40	5
150 - 240	590R12	34.0	48.5	13.0	M8	32	68.5	4	24.35	5
150 - 240	590R16	34.0	48.5	17.0	M8	32	68.5	4	24.30	5
	590R20	36.0	48.5	21.0	M8	32	70.5	4	24.25	5
	592R12	32.0	50.0	13.0	M8	37	68.5	4	27.95	5
185 - 300	592R16	32.0	50.0	17.0	M8	37	68.5	4	28.00	5
	592R20	34.5	50.5	21.0	M8	37	70.0	4	27.95	5

Tube screw connectors, CuZn



Clamps and screw connectors

Characteristics

- Total cross-section: 6 300 mm²
- A connection needs to be soldered
- With soldering hole and fixing screws for easy processing

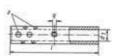
Material

- CuZn 40 Pb 2
- Screws: DIN 551 steel

Surface

■ Tin-plated





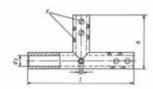
Nominal cross section			Dimens	ion mm		Weight/ 100 pcs.	
mm²	Part No.	d1	1	dia. q	Z*	~ kg	Packing unit/pcs
6	551R	3.5	25	3.3	2	0.60	10
10	552R	4.5	30	3.3	2	1.20	10
16	553R	5.5	40	4.2	4	1.90	10
25	554R	7.0	45	4.2	4	2.85	10
35	555R	8.5	45	5.0	4	3.00	10
50	556R	10.0	48	5.0	4	4.00	10
70	557R	12.0	52	6.8	4	6.30	10
95	558R	13.5	55	6.8	4	8.05	10
120	559R	15.0	60	6.8	4	9.90	10
150	560R	17.0	64	6.8	4	11.80	5
185	561R	19.0	70	6.8	10	14.30	5
240	562R	21.0	70	6.8	10	15.50	5
300	563R	24.0	75	6.8	10	19.30	1

z = number of set screws

KlauKe®

Screw T-connectors, CuZn





Characteristics

- Total cross-section: 4 95 mm²
- A connection needs to be soldered
- With soldering hole and fixing screws for easy processing

Material

- CuZn 40 Pb 2
- Screws: DIN 551 steel

Surface

■ Tin-plated

Nominal cross section				Dimension mm			Weight/ 100 pcs.	
mm²	Part No.	d1	h	1	dia. q	Z*	~ kg	Packing unit/pcs
4 - 6	TAS6	3.0	18	30	2.5	3	1.05	10
10	TAS10	4.5	25	40	3.5	3	2.15	10
16	TAS16	5.5	27	42	3.5	6	2.50	10
25	TAS25	7.0	29	45	4.5	6	3.70	10
35	TAS35	8.5	32	52	4.5	6	4.30	10
50	TAS50	10.0	34	56	6.0	9	7.40	10
70	TAS70	12.0	41	62	6.5	9	9.80	5
95	TAS95	13.5	44	68	7.0	9	12.80	5

> z = number of set screws



Parallel groove clamps, Cu, 1 screw

 For screwing conductors to VDE 0295 Class 1 and 2, for example in lightning protection areas

Characteristics

- Total cross-section: 2.5 95 mm²
- Also for outdoor assembly
- Version with 1 screw
- Available either with or without thrust plate
- With thrust plate for equal pressure distribution with differing cross-section pairings

Material

- Cu-ETP
- Screws: high-tensile copper alloy F 60
- Nut: copper

Surface

■ Bright







Nominal cross section			Dimension mm				Weight/ 100 pcs.	
mm²	Part No.	b	h	1	M	Md Nm	~ kg	Packing unit/pcs
Without thrust plat	te							
2.5 - 16	SAK10	19.5	16	16	M5	6	2.10	10
0.5.05	SAK12	25.0	21	18	M6	8	4.10	10
2.5 - 25	SAK14	25.0	22	20	M7	14	3.95	10
6 - 35	SAK16	28.0	23	20	M7	14	6.0	10
C F0	SAK18	32.5	26	24	M7	14	8.0	10
6 - 50	SAK20	33.5	27	22	M8	20	8.6	10
6 - 70	SAK22	37.5	29	24	M8	20	11.1	5
10 - 95	SAK24	41.0	36	28	M8	20	15.6	5
With thrust plate								
2.5 - 16	SAK11	19.5	16	16	M5	6	2.6	10
0.5.05	SAK13	25.0	21	18	M6	8	4.30	10
2.5 - 25	SAK15	25.0	22	18	M7	14	4.6	10
6 - 35	SAK17	28.0	23	20	M7	14	6.3	10
	SAK19	32.5	26	20	M7	14	7.9	10
6 - 50	SAK21	33.5	27	22	M8	20	9.1	10
6 - 70	SAK23	37.5	29	24	M8	20	11.6	5
10 - 95	SAK25	45.0	36	31	M10	39	19.60	5





Parallel groove clamps, Cu, 2 screws









For screwing conductors to VDE 0295 Class 1 and 2, for example in lightning protection areas

Characteristics

- Total cross-section: 2.5 150 mm²
- Also for outdoor assembly
- Version with 2 screws
- Available either with or without thrust plate
- With thrust plate for equal pressure distribution with differing cross-section pairings

Material

- Cu-ETP
- Screws: high-tensile copper alloy F 60
- Nut: copper

Surface

■ Bright finished

Nominal cross section			Dimens	sion mm	ı			Weight/ 100 pcs.	
mm²	Part No.	b	h	1	A	M	Md Nm	~ kg	Packing unit/pcs
Without thrust pl	ate								
2.5 - 16	SAK30	20.5	16.0	24	13.0	M5	6	3.7	10
2.5 - 25	SAK32	25.5	21	27	13.5	M6	8	6.4	10
2.5 - 25	SAK34	25.0	22	30	15.0	M7	14	7.7	10
6 - 35	SAK36	30.0	23	30	15	M7	14	8.5	10
6 - 50	SAK38	33.0	26	32	16.0	M7	14	12.3	10
10 - 50	SAK40	32.5	27	36	18.0	M8	20	12.9	10
10 - 95	SAK44	45.0	36	46	25.5	M10	39	28.7	5
16 - 150	SAK46	52.5	40	52	26.0	M10	39	37.4	5
With thrust plate									
2.5 - 16	SAK31	19.5	16	24	13.0	M5	6	4.1	10
2.5 - 25	SAK33	25.5	21	27	14.0	M6	8	7.0	10
2.5 - 25	SAK35	25.0	22	30	15.0	M7	14	7.9	10
6 - 35	SAK37	28.0	23	32	16.0	M7	14	10.2	10
6 - 50	SAK39	33.0	26	32	17.0	M7	14	12.8	10
10 - 50	SAK41	32.5	27	34.5	18.0	M8	20	14.7	10
6 - 70	SAK43	37.0	29	38.5	19.0	M8	20	19.1	5
10 - 95	SAK45	41.0	36	43	20.0	M8	20	25.0	5
16 - 150	SAK47	52.5	40	52	26.0	M10	39	39.0	5



C-Clamps, Cu

- ▶ Ideal for clamping identical conductor cross-sections e.g. to VDE 0295 classes 1 and 2
- The split of the main conductor is omitted



Characteristics

- Total cross-section: 16 95 mm²
- Optimum conducting characteristics in combination with compound

Material

■ Cu-ETP

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Bright finish version also available, part number appendix "bk"

	Conductor	size rm/re	Dimens	ion mm	Weight/ 100 pcs.	
Part No.	Main Conductor	Junction	b	1	~ kg	Packing unit/pcs
CK16	16/25	16/25	16.0	15	0.94	25
CK25	25/35	25/35	20.0	16	1.68	25
CK35	35/50	35/50	25.7	22	3.42	25
CK50	50/-	50/-	28.0	23	4.88	25
CK70	70/-	70/-	34.0	28	9.69	10
CK95	95/-	95/-	35.0	28	7.30	10

- rm = round multi-stranded
- re = round solid
- ▶ Tools: see chart page 150

C-Clamps, Cu, Multi purpose clamps

- Ideal for clamping non-identical conductor cross-sections e.g. to VDE 0295 classes 1 and 2
- > The split of the main conductor is omitted



Characteristics

- Total cross-section: 2.5 185 mm²
- Optimum conducting characteristics in combination with compound

■ Cu-ETP

Surface

■ Tin-plated to protect against corrosion

Order info

Bright finish version also available, part number appendix "bk"

	Conductor	size rm/re	Dimens	sion mm	Weight/ 100 pcs.	
Part No.	Main conductor	Junction	b	1	~ kg	Packing unit/pcs
MCK44	2.5 - 4/2.5 - 4	2.5 - 4/2.5 - 4	9.8	8	0.185	25
MCK1010	6 - 10/10	4 - 6/4 - 10	12.0	12	0.460	25
MCK1016	10 - 16/16	4 - 10/4 - 10	19.0	17	1.900	25
MCK1025	16 - 25/25	4 - 10/4 - 10	19.0	17	1.900	25
MCK3535	16 - 25/25 - 35	16 - 25/16 - 35	20.0	17	1.750	25
MCK2550	35/50	4 - 25/4 - 25	24.8	23	4.400	25









C-Clamps, Cu, Multi purpose clamps

	Conductor	size rm/re	Dimens	ion mm	Weight/ 100 pcs.	
Part No.	Main conductor	Junction	b	1	~ kg	Packing unit/pcs
MCK5050	35/50	16 - 35/25 - 50	26.5	23	4.200	25
MCK3570	50 - 70/-	4 - 35/4 - 35	33.8	28	10.700	10
MCK3595	95/-	16 - 35	41.0	30	15.000	10
MCK7095	95/-	35 - 70	41.0	30	14.000	10
MCK120120	120/-	35 - 120	45.0	30	16.550	10
MCK150150	150/-	70 - 150	53.0	35	23.000	5
MCK185185	185/-	95 - 185	60.0	40	33.000	5

- rm = round multi-stranded
- ▶ re = round solid
- ▶ Tools: see chart page 150

H-Clamps, Cu





- ldeal for clamping identical conductor cross-sections e.g. to VDE 0295 class
- Acc. to EN 50164-1 lightning protection certified
- ▶ The split of the main conductor is omitted

Characteristics

- Total cross-section: 70 120 mm²
- H-shape allows simple processing
- Optimum conducting characteristics in combination with compound

Material

■ Cu-ETP

Surface

Tin-plated to protect against corrosion

Order info

■ Bright finish version also available, part number appendix "bk"

	Conductor size rm		Dimens	ion mm	Weight/ 100 pcs.	
Part No.	Main conductor	Junction	b	1	~ kg	Packing unit/pcs
AH7070*	70	70	17.0	28.0	6.5	25
AH9595	95	95	22.0	30.0	10.0	25
AH120120	120	120	24.0	25.0	9.8	25

- rm = round multi-stranded
- ★ = According to EN 50164-1 lightning protection certified
- ▶ Tools: see chart page 151

Compound for clamps



 Optimum conductivity properties for processing aluminum cable lugs and connectors and clamps (C and H-type)

Characteristics

- Water-resistant, with corundum for destroying the oxidation layer on contact surfaces
- Contents/can: 0.125 kg

Part No.
i ait no.
KF125



Screw connectors for shielded copper wires

- Suitable cross-section range, for example shielded copper wires
- Ideal for connecting identical and different conductor cross-sections

Characteristics

- Special grooved profile inside for removing the oxidation layer when screwing
- With inspection hole for monitoring cable entry

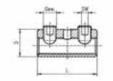
Material

- Insulated body: brass (CuZn)
- Screws: stainless steel, tin-plated

Surface

■ Tin-plated





	Nominal cross section mm ²		Dimens	sion mm		bolt data Weigh				
Part No.	rm	re	D	L	Number of screws	AF	Thread	Md Nm	~ kg	Packing unit/ pcs
SV100	6 - 25	6 - 35	14	40	2	4	M8x1	10	3.9	4

- ▶ rm = round multi-stranded
- ▶ re = round solid
- 1 Please observe instructions at "Technical appendix" on page i-9

Screw connectors for street lighting

- Suitable cross-section range for street lighting
- Ideal for connecting identical and different conductor cross-sections

Characteristics

- Special grooved profile inside for removing the oxidation layer when screwing
- With inspection hole for monitoring cable entry

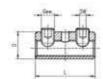
Material

- Insulated body: brass (CuZn)
- Screws: stainless steel, tin-plated

Surface

Tin-plated, bright finished version available (part number appendix "BK")





	Nominal cross section mm ²		minal cross section mm ² Dimension mm			bolt data	Weight/ 100 pcs.	Packing unit/	
Part No.	rm	re	D	L	Number of screws	AF	Thread	~ kg	pcs
SV200	2.5 - 10	2.5 - 16	10	30	2	2.5	M5x1.5	1.35	4
SV200BK	2.5 - 10	2.5 - 16	10	30	2	2.5	M5x1.5	1.35	4

- rm = round multi-stranded
- re = round solid
- 1 Please observe instructions at "Technical appendix" on page i-9



Screw connector with 2 screws





- Ideal for connecting identical and different conductor cross-sections
- ▶ For connecting different conductor types and materials, e.g. to VDE 0295 Class 1 and 2 and Al conductors to DIN 48201 part 5
- With inspection hole for monitoring cable entry (dissimilar materials must not come into contact)

Characteristics

- Total cross-section: 2.5 185 mm²
- Special grooved profile inside for removing the oxidation layer when screwing
- Either with or without shear head, shear head partly fixed
- Version with 2 screws

Material

- Insulated body: high-tensile aluminum alloy
- Screws: copper alloy, tin-plated

Surface

Bright finished or tin-plated

Order info

- * = fixed version, part number appendix "NL"
- ** = Version with fixed countersink shear head, part number appendix "VK"

Nominal cross section mm ²			Dimens	ion mm		bolt data		Weight/ 100 pcs.	Packing unit/	
rm/sm	rm(v)/re/se	Part No.	D	L	AF	Thread	Md Nm	~ kg	pcs	
Without shear he	ad, bright finished									
6 - 25	6 - 35	SV303	14	40	4	M8x1	8	1.5	4	
6 - 35	6 - 50	SV300	16	40	4	M10x2	8	1.7	4	
16 - 95	16 - 95	SV301	25	55	5	M12x16	20	6.6	4	
	35 - 150	SV308	28	70	6	M18x1.5	25	11.3	4	
35 - 185	35 - 185	SV302	32	80	6	M18x1.5	25	16	4	
Without shear he	ad, tin-plated									
6 - 25	6 - 35	SV303V	14	40	4	M8x1	8	1.5	4	
Cu 2.5/Al 6 - 35	Cu 2.5/Al 6 - 50	SV300V	16	40	4	M10x2	8	1.7	4	
16 - 35	16 - 50	SV307V	22	57	5	M10x1.5	15	4.7	4	
16 - 95	16 - 95	SV301V	25	55	5	M12x16	20	6.6	4	
35 - 185	35 - 185	SV302V	32	80	6	M18x1.5	25	16	4	
With shear head,	bright finished									
6 - 25	6 - 35	*SV303AK	14	40	4	M8x1	8	1.5	1	
6 - 35		SV304AKNL	16	40	4	M10x1	8	1.7	4	
16 - 35	16 - 50	SV307AKNL	22	57	5	M10x1.5	15	4.7	4	
16 - 95	16 - 95	SV301AK	25	55	5	M12x16	20	6.6	4	
35 - 185	35 - 185	SV302AK	32	80	6	M18x1.5	25	16	4	
With shear head, tin-plated										
Cu 2.5/Al 6 - 35	Cu 2.5/Al 6-50	SV304AKNLV	16	40	4	M10x1	8	1.7	4	
16 - 95	16 - 95	**SV301AKV	55	55	5	M12x16	20	6.6	4	
35 - 185	35 - 185	SV302AKV	32	80	6	M18x1.5	25	16	4	

- > sm/se conductor needs to be pre-rounded
- rm = round multi-stranded
- ▶ rm (v) = round multi-stranded compacted
- ▶ sm = sector stranded
- ▶ re = round solid
- ▶ se = sector solid
- 1 Please observe instructions at "Technical appendix" on page i-9



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Screw connectors with barrier

- Ideal for connecting identical and different conductor cross-sections
- For connecting different conductor types and materials, e.g. to VDE 0295 Class 1 and 2 and Al conductors to DIN 48201 part 5

Characteristics

- Total cross-section: 2.5 185 mm²
- Special grooved profile inside for removing the oxidation layer when screwing
- Either with or without shear head, shear head partly fixed
- Version with 2 screws and barrier

Material

- Insulated body: high-tensile aluminum alloy
- Screws: copper alloy, tin-plated

Surface

Bright finished or tin-plated

Order info

* = Version with fixed countersink shear head, part number appendix "VK"





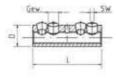
Nominal cross	s section mm²			Dimension mm			bolt data		Weight/ 100 pcs.	Packing unit/	
rm/sm	rm(v)/re/se	Part No.	D	1	L	AF	Thread	Md Nm	~ kg	pcs	
Without shear I	head, bright finis	shed								,	
2.5 - 35	2.5 - 50	SV315	16	17.5	40	4	M10x1	9	1.7	4	
16 - 95	16 - 95	SV309	25	22	55	5	M12x1	20	6.6	4	
	35 - 150	SV320	28	31	70	6	M18x1.5	25	11.3	4	
35 - 185	35 - 185	SV310	32	32	80	6	M18x1.5	25	16	4	
Without shear I	Without shear head, tin-plated										
Cu 2.5/ Al 6 - 35	Cu 2.5/Al 6 - 50	SV315V	16	17.5	40	4	M10x1	9	1.7	4	
16 - 95	16 - 95	SV309V	25	22	55	5	M12x1	20	6.6	4	
	35 - 150	SV320V	28	31	70	6	M18x1.5	25	11.3	4	
35 - 185	35 - 185	SV310V	32	32	80	6	M18x1.5	25	16	4	
With shear hea	d, bright finishe	d									
6 - 25	6 - 35	SV311AKNL	14	17.5	40	4	M8x1	8	1.5	4	
6 - 35		SV312AKNL	16	17.5	40	4	M10x1	8	1.7	4	
16 - 95	16 - 95	SV309AK	25	22	55	5	M12x1	20	6.6	4	
35 - 185	35 - 185	SV310AK	32	32	80	6	M18x1.5	25	16	4	
With shear hea	d, tin-plated										
Cu 2.5/ Al 6-35	Cu 2.5/Al 6-50	SV312AKNLV	16	17.5	40	4	M10x1	8	1.7	4	
16 - 35	16 - 50	SV319AKNLV	22	24	57	4	M12x1	15	7.6	4	
16 - 95	16 - 95	*SV309AKV	25	22	55	5	M12x1	20	6.6	4	
35 - 185	35 - 185	*SV310AKV	32	32	80	6	M18x1.5	25	16	4	

- ▶ sm/se conductor needs to be pre-rounded
- rm = round multi-stranded
- ▶ rm (v) = round multi-stranded compacted
- sm = sector stranded
- ▶ re = round solid
- ▶ se = sector solid
- 1 Please observe instructions at "Technical appendix" on page i-9



Screw connectors with 4 screws





- Ideal for connecting identical and different conductor cross-sections
- For connecting different conductor types and materials, e.g. to VDE 0295 Class 1 and 2 and Al conductors to DIN 48201 part 5
- With inspection hole for monitoring cable entry (dissimilar materials must not come into contact)

Characteristics

- Total cross-section: 25 185 mm²
- Special grooved profile inside for removing the oxidation layer when screwing
- Either with or without shear head
- Version with 4 screws

Material

- Insulated body: high-tensile aluminum alloy
- Screws: copper alloy, tin-plated

Surface

■ Bright finished or tin-plated

Nominal cross section mm ²			Dimer	ision mm	bolt data			Weight/	
rm/sm	rm(v)/re/se	Part No.	D	L	AF Thread Md Nm		Md Nm	100 pcs. ~ kg	Packing unit/pcs
Without shear he	ad, bright finished	d							
25 - 95	25 - 95	SV305	25	92	5	M12x1	20	12	4
35 - 185	35 - 185	SV306	32	108	6	M18x1.5	25	25	4
Without shear he	ad, tin-plated								
25 - 95	25 - 95	SV305V	25	92	5	M12x1	20	12	4
35 - 185	35 - 185	SV306V	32	108	6	M18x1.5	25	25	4
With shear head,	bright finished								
25 - 95	25 - 95	SV305AK	25	92	5	M12x1	20	12	4
35 - 185	35 - 185	SV306AK	32	108	6	M18x1.5	25	25	4
With shear head, tin-plated									
25 - 95	25 - 95	SV305AKV	25	92	5	M12x1	20	12	4
35 - 185	35 - 185	SV306AKV	32	108	6	M18x1.5	25	25	4

- ▶ sm/se conductor needs to be pre-rounded
- rm = round multi-stranded
- ▶ rm (v) = round multi-stranded compacted
- sm = sector stranded
- re = round solid
- se = sector solid
- 1 Please observe instructions at "Technical appendix" on page i-9



Insulated screw connectors

- Ideal for connecting identical and different conductor cross-sections
- ► For connecting different conductor types and materials, e.g. to VDE 0295 Class 1 and 2 and Al conductors to DIN 48201 part 5
- With inspection hole for monitoring cable entry (dissimilar materials must not come into contact)

Characteristics

- Total cross-section: 6 185 mm²
- Special grooved profile inside for removing the oxidation layer when screwing
- Insulated body
- Version with 2 screws, without barrier
- Either with or without shear head

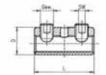
Material

- Insulated body: high-tensile aluminum alloy
- Screws: copper alloy, tin-plated

Surface

Bright finished or tin-plated





Nominal cross	s section mm²		Dimens	ion mm		bolt data		Weight/ 100 pcs.	
rm/sm	rm(v)/re/se	Part No.	D	L	AF	Thread	Md Nm	~ kg	Packing unit/pcs
Without shear he	ad, bright finished	t							
6 - 25	6 - 35	SV400	14	40	4	M8x1	8	1.7	4
25 - 95	25 - 95	SV410	25	55	5	M12x1	20	6	4
35 - 185	35 - 185	SV420	32	80	6	M18x1.5	25	14.5	4
Without shear he	ad, tin-plated								
16 - 35	16 - 50	SV405V	22	57	5	M10x1.5	15	5	4
35 - 185	35 - 185	SV420V	32	80	6	M18x1.5	25	14.5	4
With shear head,	bright finished								
25 - 95	25 - 95	SV410AK	25	55	5	M12x1	20	6	4
35 - 185	35 - 185	SV420AK	32	80	6	M18x1.5	25	14.5	4

rm = round multi-stranded

rm (v) = round multi-stranded compacted

[▶] sm = sector stranded

re = round solid

se = sector solid

sm/se - conductor needs to be pre-rounded

¹ Please observe instructions at "Technical appendix" on page i-9





Insulated screw connectors with barrier



- Ideal for connecting identical and different conductor cross-sections
- For connecting different conductor types and materials, e.g. to VDE 0295 Class 1 and 2 and Al conductors to DIN 48201 part 5

Characteristics

- Total cross-section: 25 185 mm²
- Special grooved profile inside for removing the oxidation layer when screwing
- Insulated body
- Version with 2 screws
- Either with or without shear head

Material

- Insulated body: high-tensile aluminum alloy
- Screws: copper alloy, tin-plated

Surface

■ Bright finished

Order info

** = Version with fixed countersink shear head, part number appendix "VK"

Nominal cros	s section mm²			Dimension mm			bolt data		Weight/ 100 pcs.	Packing unit/
rm/sm	rm(v)/re/se	Part No.	D	1	L	AF	Thread	Md Nm	~ kg	pcs
Without shear	head									
25 - 95	25 - 95	SV430	25	22	55	5	M12x1	20	6.6	4
35 - 185	35 - 185	SV440	32	32	80	6	M18x1.5	25	16.0	4
With shear hea	ıd									
25 - 95	25 - 95	SV430AK	25	22	55	5	M12x1	20	6.6	4
35 - 185	35 - 185	**SV440AK	32	32	80	6	M 18 x 1.5	25	16.0	4

- ▶ sm/se conductor needs to be pre-rounded
- rm = round multi-stranded
- rm (v) = round multi-stranded compacted
- ▶ sm = sector stranded
- re = round solid
- ▶ se = sector solid
- 1 Please observe instructions at "Technical appendix" on page i-9



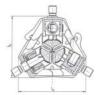
Compact tap connectors with shear head, for three conductor cable

- Suitable for main and branch conductors made from Al and Cu
- The split of the main conductor is omitted
- For use e.g. with energy suppliers

Characteristics

- To VDE, can be installed under voltage with corresponding fully insulated assembly tools
- With shear heads for the main conductor, fixed





No	ominal cros Main co	s section m	m²	Tap co	nductor		D	Clamp data imension m			Bolts			
Cu rm/ sm	Cu rm(v) / re/se	Al rm/sm	Al rm(v) / re/se	rm/sm	rm(v)/ re/se	Part No.	la	lb	Width	Circle dia.	AF	Thread	Weight/ pcs. ~kg	Packing unit/pcs
70 - 150	70 - 150	70 - 150	70 - 150	6 - 70	6 - 95	KSK1503	84	76	45	90	5	M10x1/ M10	0.35	1

- » sm/se conductor needs to be pre-rounded
- rm = round multi-stranded
- rm (v) = round multi-stranded compacted
- ▶ sm = sector stranded
- re = round solid
- se = sector solid
 Please observe instructions at the Technical Appendix" on page i-10 and the corresponding assembly tools on page 476



Compact tap connectors with shear head, for four conductor cable



- Suitable for main and branch conductors made from Al and Cu
- ▶ The split of the main conductor is omitted
- For use e.g. with energy suppliers

Characteristics

- To VDE, can be installed under voltage with corresponding fully insulated assembly tools
- With shear heads for the main conductor, fixed

N	ominal cros Main co	s section m inductor	m²	Тар сог	nductor		Clamp data Dimension mm		Bolt data					
Cu rm/sm	Cu rm(v) / re/se	Al rm/sm	Al rm(v) / re/se	rm/sm	rm(v)/ re/se	Part No.	la	lb	Width	Circle dia.	AF	Thread	Weight/ pcs. ~kg	Packing unit/pcs
70 - 150	70 - 150	70 - 150	70 - 150	6 - 70	6 - 95	KSK1504	107	90	46	110	5	M10x1/ M10	0.63	1
70 - 150	70 - 150	70 - 150	70 - 185	6 - 35	6 - 50	KSK1854	107	90	52	106	5	M10x1/ M10	0.58	1

sm/se - conductor needs to be pre-rounded

1 Please observe instructions at the "Technical Appendix" on page i-10 and the corresponding assembly tools at page 476

Compact tap connector, for four conductor cable, for main conductor 25-50 mm² Cu rm/sm



- Suitable for main and branch conductors made from Al and Cu
- ▶ The split of the main conductor is omitted
- For use e.g. with energy suppliers

Characteristics

To VDE, can be installed under voltage with corresponding fully insulated assembly tools

No		s section mi inductor	m²	Тар со	nductor		D	imension m	ım		Bolt data			
Cu rm/sm	Cu rm(v) / re/se	Al rm/sm	Al rm(v) / re/se	rm/sm	rm(v)/ re/se	Part No.	la	lb	Width	Circle dia.	AF	Thread	Weight/ pcs. ~kg	Packing unit/pcs
25 - 50	25 - 50	25 - 50	35 - 70	6 - 35	6 - 50	KSK504	88	75	50	91	5	M10x1/ M10	0.46	1

[▶] sm/se - conductor needs to be pre-rounded

rm = round multi-stranded

rm (v) = round multi-stranded compacted

sm = sector stranded

re = round solid

[▶] se = sector solid

rm = round multi-stranded

[▶] rm (v) = round multi-stranded compacted

[▶] sm = sector stranded

re = round solid

[▶] se = sector solid

¹ Please observe instructions at the Technical Appendix" on page i-11 and the corresponding assembly tools on page 476



Compact tap connectors, for three conductor cable

- Suitable for main and branch conductors made from Al and Cu
- The split of the main conductor is omitted
- For use e.g. with energy suppliers

Characteristics

■ To VDE, can be installed under voltage with corresponding fully insulated assembly





No		s section m onductor	m²	Tap coi	nductor		D	imension m	ım		Bolt data			
Cu rm/sm	Cu rm(v) / re/se	Al rm/sm	Al rm(v) / re/se	rm/sm	rm(v)/ re/se	Part No.	la	lb	Width	Circle dia.	AF	Thread	Weight/ pcs. ~kg	Packing unit/pcs
70 - 150	70 - 150	70 - 150	70 - 150	6 - 70	6 - 95	SKR1503	84	76	45	90	5	M10x1/ M10	0.38	1

- sm/se conductor needs to be pre-rounded
- rm = round multi-stranded
- rm (v) = round multi-stranded compacted
- sm = sector stranded
- re = round solid

- se = sector solid
- 1 Please observe instructions at the Technical Appendix" on page i-10 and the corresponding assembly tools at page 476

Compact tap connectors, for four conductor cables, for main conductor 70 - 150 mm² Cu rm/sm

- Suitable for main and branch conductors made from Al and Cu
- The split of the main conductor is omitted
- For use e.g. with energy suppliers

Characteristics

- To VDE, can be installed under voltage with corresponding fully insulated assembly
- Suitable for main and branch conductors made from Al and Cu





No	minal cros Main co	s section m inductor	m²	Tap co	nductor		D	imension m	ım		Bolt data			
Cu rm/sm	Cu rm(v) / re/se	Al rm/sm	Al rm(v) / re/se	rm/sm	rm(v)/ re/se	Part No.	la	lb	Width	Circle dia.	AF	Thread	Weight/ pcs. ~kg	Packing unit/pcs
70 - 95	70 - 95	70 - 95	70 - 120	6 - 35	6 - 50	SKR1204	90	77	50	93	5	M10x1/ M10	0.46	1
70 - 120	70 - 120	70 - 120	70 - 150	6 - 35	6 - 50	SKR150504	93	80	50	62	5	M10x1/ M10	0.46	1
70 - 120	70 - 120	70 - 150	70 - 150	6 - 70	6 - 95	SKR1504	107	90	46	110	5	M10x1/ M10	0.62	1
95 - 150	95 - 150	95 - 150	95 - 150	16 - 120	16 - 150	SKR1501504	118	118	93	120	5	M12x1/ M12	1.34	1
95 - 150	95 - 150	95 - 150	95 - 185	6 - 70	6 - 95	SKR1854	107	96	46	114	5	M10x1/ M10	0.58	1

- sm/se conductor needs to be pre-rounded
- rm = round multi-stranded
- rm (v) = round multi-stranded compacted
- sm = sector stranded
- re = round solid

- se = sector solid
- 1 Please observe instructions at the Technical Appendix" on page i-10 and the corresponding assembly tools at page 476





Tool application chart

C-Clamps

	Crimpir	ng tools			Too	l type				
Crimping range				electrical, pneumatic,						
corresponds to nominal				crimping tools with	Hand hydraulic	Battery powered				
cross-section mm ²		Crimping head/ Adapter	Mechanical	interchangeable dies/heads	crimping tools	crimping tools	Hydraulic crim-	Hydraulic crim-	Crimp profile	Page (Tool)
4-35	K354	Adapter	crimping tools	ules/fleads	toois	toois	ping systems	ping heads	Crimp profile	260
4-35	EK354			•		•				314
	EK354L					•				316
4-50	K18			•						262
4-30	HK6018				•					286
	EK5018L					•				320
	PK18							•		362
	THK18						•			362
	HK60UNV	+ UA18			•					354
	EK60UNVL	+ UA18				•				357
	EKM60UNVL	+ UA18				•				356
	PK60UNV	+ UA18						•		355
	K22	1 0/110		•						264
	HK6022				•					288
	EK6022L					•			-	324
	EKM6022L					•				322
	PK22							•		364
	THK22						•		0	364
	HK60UNV	+ UA22			•				0	354
	EK60UNVL	+ UA22				•			0	357
	EKM60UNVL	+ UA22				•			0	356
	PK60UNV	+ UA22						•	0	355
10-70	HK12030				•				0	292
	HK12042				•				0	294
	HK120U				•				0	296
	EK12030L					•			0	330
	EK12042L					•			0	332
	EK120UL					•			0	334
	EK120UNVL					•			0	358
	HK122EL380						•		0	390
	PK12042							•	0	368
	PK120U							•	0	370
10-185	HK252						•		0	388
	HK252EL380						•		0	391
	PK252							•	0	372





Tool application chart

H-Clamps

	Crimpin	g tools								
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)
70	K22			•					0	264
	HK6022				•				0	288
	EK6022L					•			0	324
	EKM6022L					•			0	322
	EK60UNVL	+ UA22				•			0	357
	THK22						•		0	364
	PK22							•	0	364
70-120	HK12030				•				0	292
	HK12042				•				0	294
	HK120U				•				0	296
	EK12030L					•			0	330
	EK12042L					•			0	332
	EK120UL					•			0	334
	EK120UNVL					•			0	358
	HK122EL380	,					•		0	390
	PK12042							•	0	368
	PK120U							•	0	370
	HK252						•		0	388
	HK252EL380						•		0	391
	PK252							•	0	372



No more spliced conductors.



Non-insulated and insulated cable end-sleeves.

Crimped cable end-sleeves avoid splicing of individual wires of fine and superfine stranded copper conductors. In addition, cables can be inserted into connecting terminals much more easily, effective electrical connections in the terminals being guaranteed.

Cable end-sleeves are made from high quality electrolytic copper and are tin or silver-plated to prevent oxidation.



- Non-insulated cable end-sleeves to DIN 46228, Part 1.
- Insulated cable end-sleeves to DIN 46228, Part 4, with CSA testing.
- Insulated twin cable end sleeves for conductor loops.
- Insulated cable end-sleeves for short circuit-resistant conductors.





Non-insulated cable end-sleeves in all sizes and lengths.

- ▶ With nominal cross sections from 0.25 mm² to 240 mm².
- Also silver plated design.

Benefits:

- Fine and superfine stranded conductors up to a nominal cross section of 240 mm² can be crimped to the standardized chamber dimension without splicing and within the DIN range.
- The silver plated design provides excellent conductivity and outstanding contact properties and are the ideal solution for applications in aggressive environments.
- Klauke crimping profiles, such as the special trapezoid crimp, enable crimping of thinned, compacted or fine stranded conductors.

■ Polypropylene makes the difference.



- Insulated cable end-sleeves with nominal cross-sections from 0.14 mm² to 150 mm².
- Calibrated cable end-sleeves can be used in fully-automated cable harness processing.
- Designs to DIN 46228, Part 4, and two further colour codes.
- In different lengths.
- With easy-entry polypropylene insulation for continuous load to 105 °C.
- Halogen-free
- CSA-tested designs.
- With nominal cross-sections from 1.5 mm² to 16 mm² for short circuitresistant conductors.

Benefits:

- The conductors can be connected to the clamps better and faster after crimping.
- Calibrated precision.
- ▶ Easy-entry polypropylene insulation for simple conductor insertion.
- ▶ Halogen-free insulation prevents hydrochloric acid-containing vapours from developing in case of fire.
- Permanently safe installation with heat and age-resistant plastic collars.

■ Simple, multiple population.

- ▶ Twin cable end-sleeves with nominal cross sections from 0.25 mm² to 16 mm².
- In different lengths.
- DIN colour code.
- Halogen-free polypropylene insulation.
- CSA-tested.

Benefits:

- In tight areas, twin cable end-sleeves are often the only alternative for conductor loops.
- The solution for multiple configuration of clamps.





Cable end-sleeves, acc. to DIN, copper







- ▶ For fine and superfine stranded conductors, e.g. VDE 0295 Class 5 and 6
- ▶ Burr-free, with expansion for easy cable insertion
- ▶ Crimped cable end-sleeves for easy mounting to cable clamps

Characteristics

- Total cross-section: 0.25 240 mm²
- Acc. to DIN 46228 part 1 and similar versions

Material

■ Copper acc. to EN 13600

Surface

■ Tin-plated

Order info

Silver plated version also available, without part number appendix "V", exception: part number 705V silver plated = part number 7050

Nominal cross section			Dimensi			Weight/	
mm²	Part No.	d1	d2	l l	S	1000 pcs.~ kg	Packing unit/pcs
0.25	*695V	0.75	1.7	5	0.15	0.02	1000
	*697V	0.75	1.7	7	0.15	0.03	1000
0.34	*705V	0.85	1.8	5	0.15	0.02	1000
0.04	*707V	0.85	1.8	7	0.15	0.03	1000
	71S6V	1.00	2.1	6	0.15	0.03	1000
0.5	*71S8V	1.00	2.1	8	0.15	0.04	1000
	71S10V	1.00	2.1	10	0.15	0.05	1000
	716V	1.20	2.3	6	0.15	0.04	1000
	*718V	1.20	2.3	8	0.15	0.05	1000
0.75	7110V	1.20	2.3	10	0.15	0.06	1000
	*7112V	1.20	2.3	12	0.15	0.08	1000
	*7115V	1.20	2.3	15	0.15	0.09	1000
	72S6V	1.40	2.5	6	0.15	0.04	1000
	*72S8V	1.40	2.5	8	0.15	0.06	1000
1	72S10V	1.40	2.5	10	0.15	0.07	1000
	*72S12V	1.40	2.5	12	0.15	0.08	1000
	*72S15V	1.40	2.5	15	0.15	0.10	1000
	*726V	1.70	2.8	6	0.15	0.05	1000
	727V	1.70	2.8	7	0.15	0.06	1000
	*728V	1.70	2.8	8	0.15	0.07	1000
4.5	7210V	1.70	2.8	10	0.15	0.09	1000
1.5	7212V	1.70	2.8	12	0.15	0.10	1000
	*7215V	1.70	2.8	15	0.15	0.13	1000
	7218V	1.70	2.8	18	0.15	0.15	1000
	*7220V	1.70	2.8	20	0.15	0.17	1000
	737V	2.20	3.4	7	0.15	0.08	1000
	*738V	2.20	3.4	8	0.15	0.09	1000
	7310V	2.20	3.4	10	0.15	0.11	1000
2.5	7312V	2.20	3.4	12	0.15	0.13	1000
	*7315V	2.20	3.4	15	0.15	0.17	1000
	7318V	2.20	3.4	18	0.15	0.20	1000
	*7320V	2.20	3.4	20	0.15	0.22	1000



Cable end-sleeves, acc. to DIN, Cu

			Dimon	sion mm			
Nominal cross section mm ²	Part No.	d1	d2		s	Weight/ 1000 pcs.~ kg	Packing unit/pcs
	*748V	2.80	4.0	8	0.20	0.14	1000
	749V	2.80	4.0	9	0.20	0.16	1000
	*7410V	2.80	4.0	10	0.20	0.17	1000
4	7412V	2.80	4.0	12	0.20	0.20	1000
	7415V	2.80	4.0	15	0.20	0.27	1000
	7418V	2.80	4.0	18	0.20	0.32	1000
	*7420V	2.80	4.0	20	0.20	0.35	1000
	7510V	3.50	4.7	10	0.20	0.23	100
	7512V	3.50	4.7	12	0.20	0.27	100
6	7515V	3.50	4.7	15	0.20	0.34	100
0	7518V	3.50	4.7	18	0.20	0.40	100
	*7520V	3.50	4.7	20	0.20	0.45	100
	*7525V	3.50	4.7	25	0.20	0.56	100
	*7610V	4.5	5.8	10	0.2	0.27	100
	7612V	4.5	5.8	12	0.2	0.33	100
10	7615V	4.5	5.8	15	0.2	0.41	100
10	7618V	4.5	5.8	18	0.2	0.49	100
	*7620V	4.5	5.8	20	0.2	0.55	100
	*7625V	4.5	5.8	25	0.2	0.68	100
	7712V	5.8	7.5	12	0.2	0.43	100
	7715V	5.8	7.5	15	0.2	0.53	100
16	7718V	5.8	7.5	18	0.2	0.60	100
10	*7720V	5.8	7.5	20	0.2	0.70	100
	7725V	5.8	7.5	25	0.2	0.87	100
	7732V	5.8	7.5	32	0.2	1.11	100
	*7812V	7.3	9.5	12	0.2	0.80	50
	7815V	7.3	9.5	15	0.2	0.99	50
	7818V	7.3	9.5	18	0.2	1.18	50
25	*7820V	7.3	9.5	20	0.2	1.31	50
	7825V	7.3	9.5	25	0.2	1.63	50
	*7828V	7.3	9.5	28	0.2	1.82	50
	7832V	7.3	9.5	32	0.2	2.07	50
	*7912V	8.3	11.0	12	0.2	0.90	50
	*7915V	8.3	11.0	15	0.2	1.12	50
	7918V	8.3	11.0	18	0.2	1.34	50
35	*7920V	8.3	11.0	20	0.2	1.48	50
	*7922V	8.3	11.0	22	0.2	1.63	50
	7925V	8.3	11.0	25	0.2	1.80	50
	*7930V	8.3	11.0	30	0.2	2.20	50
	7932V	8.3	11.0	32	0.2	2.35	50
	8018V	10.5	13.0	18	0.3	1.69	50
	*8022V	10.5	13.0	22	0.3	2.05	50
50	8025V	10.5	13.0	25	0.3	2.32	50
	*8030V	10.5	13.0	30	0.3	2.77	50
	8032V	10.5	13.0	32	0.3	2.95	50
	*8122V	12.7	15.0	22	0.4	3.31	25
70	*8125V	12.7	15.0	25	0.4	3.75	25
	*8130V	12.7	15.0	30	0.4	4.48	25
	*8132V	12.7	15.0	32	0.4	4.78	25





Cable end-sleeves, acc. to DIN, Cu

Nominal cross section			Dimensi	ion mm		Weight/	
mm²	Part No.	d1	d2	1	S	1000 pcs.~ kg	Packing unit/pcs
	*8225V	14.7	17.0	25	0.4	4.32	25
95	*8230V	14.7	17.0	30	0.4	5.17	25
95	*8232V	14.7	17.0	32	0.4	5.17	25
	*8234V	14.7	17.0	34	0.4	5.84	25
	*8330V	16.7	19.0	30	0.5	7.35	25
	*8332V	16.7	19.0	32	0.5	7.83	25
120	*8334V	16.7	19.0	34	0.5	8.31	25
	*8338V	16.7	19.0	38	0.5	9.28	25
	*8340V	16.7	19.0	40	0.5	9.76	25
	*8432V	18.7	21.0	32	0.5	8.75	25
150	*8434V	18.7	21.0	34	0.5	9.28	25
150	*8438V	18.7	21.0	38	0.5	10.36	25
	*8440V	18.7	21.0	40	0.5	10.89	25
185	*8532V	20.2	23.5	32	0.6	11.38	25
100	*8540V	20.2	23.5	40	0.6	14.17	25
240	*8634V	23.0	24.0	34	0.5	11.25	25
240	*8640V	23.0	24.0	40	0.5	13.23	25

^{* =} not standardized

Cable end -sleeves, acc. to DIN, brass





- ▶ For fine and superfine stranded conductors, e.g. VDE 0295 Class 5 and 6
- ▶ Crimped cable end-sleeves for splice-free mounting to cable clamps

Characteristics

- Total cross-section: 0.5 2.5 mm²
- Acc. to DIN 46228, part 2

Material

■ Brass (CuZn)

Surface

■ Tin-plated to protect against corrosion



Nominal cross	Manainal aina				Mainht/				
section mm ²	Nominal size to DIN	Part No.	a1	11	12	13	S	Weight/ 1000 pcs.~ kg	Packing unit/pcs
0.5-1	B1-7	SH271	2.5	11	3.5	7	0.3	0.20	100
1.5	B 1.5 - 7	SH272	2.5	11	3.5	7	0.3	0.23	100
2.5	B 2.5 - 7	SH273	2.5	11	3.5	7	0.3	0.32	100

[▶] Tools: see chart page 167

[▶] Tools: see chart page 165



Insulated cable end-sleeves, acc. to DIN, Easy Entry

- For fine and superfine stranded conductors
- ▶ Easy-Entry insulation for easy cable insertion
- Crimped cable end-sleeves for easy mounting to cable clamps

Characteristics

- Total cross-section: 0.5 150 mm²
- Colour-coding and tube dimension to DIN 46228, part 4 (0.5 50 mm²)
- Halide free
- Heat resistant to 105° C

Material

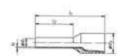
- Copper acc. to EN 13600
- Synthetic material: polypropylene

■ Tin-plated to protect against corrosion

Now also available in handy plastic boxes for smaller requirements, part number appendix "SB"







lominal cross					Dimension mm			Mainhai	Dealine
section mm²	Part No.	Colour	d1	d3	11	12	s1	Weight/ 1000 pcs.~ kg	Packing unit pcs
	4696		1.0	3.1	12	6	0.15	0.070	1000
0.5	4698		1.0	3.1	14	8	0.15	0.070	1000
0.5	GR4698		1.0	3.1	14	8	0.15	0.070	500 ***
	46910		1.0	3.1	16	10	0.15	0.085	1000
	4706		1.2	3.3	12	6	0.15	0.080	1000
	4708		1.2	3.3	14	8	0.15	0.080	1000**
0.75	GR4708		1.2	3.3	14	8	0.15	0.080	500 ***
	47010		1.2	3.3	16	10	0.15	0.100	1000
	47012		1.2	3.3	18	12	0.15	0.105	1000
	4716		1.4	3.5	12	6	0.15	0.090	1000
	4718		1.4	3.5	14	8	0.15	0.100	1000**
1	GR4718		1.4	3.5	14	8	0.15	0.100	500 ***
	47110		1.4	3.5	16	10	0.15	0.120	1000
	47112		1.4	3.5	18	12	0.15	0.125	1000
	4726		1.7	4.0	12	6	0.15	0.105	1000
	4728		1.7	4.0	14	8	0.15	0.110	1000**
4.5	GR4728		1.7	4.0	14	8	0.15	0.110	500 ***
1.5	47210		1.7	4.0	16	10	0.15	0.130	1000
	47212		1.7	4.0	18	12	0.15	0.150	1000
	47218		1.7	4.0	24	18	0.15	0.190	1000
	4738		2.2	4.7	14	8	0.15	0.150	1000**
0.5	GR4738		2.2	4.7	14	8	0.15	0.150	500 ***
2.5	47312		2.2	4.7	18	12	0.15	0.200	1000
	47318		2.2	4.7	24	18	0.15	0.250	1000
	47410		2.8	5.4	17	10	0.20	0.210	100**
4	47412		2.8	5.4	20	12	0.20	0.250	100
	47418		2.8	5.4	26	18	0.20	0.320	100
6	47512		3.5	6.9	20	12	0.20	0.350	100**
Ü	47518		3.5	6.9	26	18	0.20	0.460	100
10	47612		4.5	8.4	22	12	0.20	0.450	100**
10	47618		4.5	8.4	28	18	0.20	0.650	100
16	47712		5.8	9.6	24	12	0.20	0.650	100**
10	47718		5.8	9.6	28	18	0.20	0.800	100





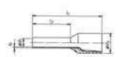
Insulated cable end-sleeves, acc. to DIN, Easy Entry

Nominal cross section					Dimension mm			Weight/	
mm²	Part No.	Colour	d1	d3	11	12	s1	1000 pcs.~ kg	Packing unit/pcs
	47816		7.3	12.0	30	16	0.20	1.600	50
25	47818		7.3	12.0	32	18	0.20	1.700	50
	47822		7.3	12.0	36	22	0.20	2.000	50
	47916		8.3	13.5	30	16	0.20	1.900	50
35	47918		8.3	13.5	32	18	0.20	2.100	50
	47925		8.3	13.5	39	25	0.20	2.500	50
50	48020		10.3	16.0	36	20	0.30	3.300	50
50	48025		10.3	16.0	40	25	0.30	3.600	50
70	*48121		13.5	17.2	37	21	0.40	4.620	25
95	*48225		14.7	19.2	44	25	0.40	6.000	25
120	*48327		16.7	21.4	48	27	0.45	7.850	25
150	*48432		19.5	25.0	58	32	0.50	12.330	25

^{* =} not standardized

Insulated cable end-sleeves, acc. to DIN, Easy Entry, colour code 1



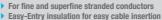












Crimped cable end-sleeves for easy mounting to cable clamps

Characteristics

- Total cross-section: 0.14 50 mm²
- Acc. to DIN 46228, part 4 (0.5 50 mm²)
- Halide free
- Heat resistant to 105° C

Material

- Copper acc. to EN 13600
- Synthetic material: polypropylene

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Nominal cross section						Weight/	Packing unit/		
mm²	Part No.	Colour	d1	d3	11	12	s1	1000 pcs.~ kg	pcs
0.14	*166GR		0.7	2.3	10.4	6	0.12	0.035	1000
0.14	*166GRL		0.7	2.3	12.4	8	0.12	0.040	1000
0.25	*167H		0.8	2.3	10.4	6	0.15	0.045	1000
0.25	*167HL		0.8	2.3	12.4	8	0.15	0.050	1000
0.34	*168T		0.8	2.5	10.4	6	0.15	0.045	1000
0.34	*168TL		0.8	2.5	12.4	8	0.15	0.050	1000
	1690K		1.0	3.0	12.0	6	0.15	0.070	1000
0.5	1690		1.0	3.0	14.0	8	0.15	0.070	1000
0.5	GR1690		1.0	3.0	14.0	8	0.15	0.070	500 **
	1690H		1.0	3.0	16.0	10	0.15	0.085	1000

^{** =} Also available in small handy packs

^{▶ *** =} Quantity per bag

[▶] Tools: see chart page 168



Insulated cable end-sleeves, acc. to DIN, Easy Entry, colour code 1

Part No. Colour d1 d3 11 12 s1 100 Packing unit	Nominal cross					Dimension mm			Webster.	D. 11.
170W	section mm ²	Part No.	Colour	d1	d3	11	12	s1		
0.75		170WK		1.2	3.2	12.4	6	0.15	0.080	1000
170WH		170W		1.2	3.2	14.6	8	0.15	0.080	1000
170WL	0.75	GR170W		1.2	3.2	14.6	8	0.15	0.080	500 **
1716K		170WH		1.2	3.2	16.4	10	0.15	0.100	1000
1716		170WL		1.2	3.2	18.4	12	0.15	0.105	1000
1		171GK		1.4	3.5	12.4	6	0.15	0.090	1000
171GH		171G		1.4	3.5	14.6	8	0.15	0.100	1000
171GL	1	GR171G		1.4	3.5	14.6	8	0.15	0.100	500 **
172RK		171GH		1.4	3.5	16.4	10	0.15	0.120	1000
172R0		171GL		1.4	3.5	18.4	12	0.15	0.125	1000
1.5 GR172R0		172RK		1.7	4.0	12.0	6	0.15	0.105	1000
1.5		172R0		1.7	4.0	14.6	8	0.15	0.110	1000
172RH	4.5	GR172R0		1.7	4.0	14.6	8	0.15	0.110	500 **
172RL	1.5	172RH		1.7	4.0	16.4	10	0.15	0.130	1000
2.5 1738		172RM		1.7	4.0	18.4	12	0.15	0.140	1000
2.5 GR173B		172RL		1.7	4.0	24.4	18	0.15	0.190	1000
2.5		173B		2.3	4.9	15.2	8	0.15	0.150	1000
173BH	0.5	GR173B		2.3	4.9	15.2	8	0.15	0.150	500 **
4 174GR □ 2.9 5.5 16.5 10 0.15 0.210 100 174GRH □ 2.9 5.5 19.5 12 0.15 0.250 100 174GRL □ 2.9 5.5 25.5 18 0.15 0.320 100 6 175SL □ 3.5 6.3 20.0 12 0.20 0.350 100 10 176E □ 4.5 8.0 21.5 12 0.20 0.460 100 10 176EL □ 4.5 8.0 21.5 12 0.20 0.450 100 16 177GR □ 5.8 9.6 22.2 12 0.20 0.650 100 177GR □ 5.8 9.6 22.2 12 0.20 0.650 100 177GRL □ 5.8 9.6 28.2 18 0.20 0.650 100 25 178BR □ 7.3 12.1 29.0 16 0.20 1.600 50 <	2.5	173BH		2.3	4.9	19.0	12	0.15	0.200	1000
4 174GRH □ 2.9 5.5 19.5 12 0.15 0.250 100 174GRL □ 2.9 5.5 25.5 18 0.15 0.320 100 6 175S □ 3.5 6.3 20.0 12 0.20 0.350 100 175SL □ 3.5 6.3 26.0 18 0.20 0.460 100 10 176E □ 4.5 8.0 21.5 12 0.20 0.450 100 16 177GR □ 4.5 8.0 27.5 18 0.20 0.650 100 16 177GR □ 5.8 9.6 22.2 12 0.20 0.650 100 177GR □ 5.8 9.6 28.2 18 0.20 0.650 100 25 178BR □ 7.3 12.1 29.0 16 0.20 1.600 50 25 178BR □ 7.3 12.1 35.0 22 0.20 2.000 <		173BL		2.3	4.9	25.0	18	0.15	0.250	1000
174GRL		174GR		2.9	5.5	16.5	10	0.15	0.210	100
6	4	174GRH		2.9	5.5	19.5	12	0.15	0.250	100
6		174GRL		2.9	5.5	25.5	18	0.15	0.320	100
175SL ■ 3.5 6.3 26.0 18 0.20 0.460 100 10 176E □ 4.5 8.0 21.5 12 0.20 0.450 100 176L □ 4.5 8.0 27.5 18 0.20 0.650 100 16 177GR ■ 5.8 9.6 22.2 12 0.20 0.650 100 177GR ■ 5.8 9.6 28.2 18 0.20 0.800 100 25 178BR ■ 7.3 12.1 29.0 16 0.20 1.600 50 178BR ■ 7.3 12.1 35.0 22 0.20 2.000 50 179B □ 8.3 13.6 30.0 16 0.20 1.900 50 179BL □ 8.3 13.6 39.0 25 0.20 2.500 50 1800 ■ 10.3 16.4 36.4 20 0.35 3.300 50		175S		3.5	6.3	20.0	12	0.20	0.350	100
10	б	175SL		3.5	6.3	26.0	18	0.20	0.460	100
176EL	10	176E		4.5	8.0	21.5	12	0.20	0.450	100
16 177GRL	10	176EL		4.5	8.0	27.5	18	0.20	0.650	100
177GRL	10	177GR		5.8	9.6	22.2	12	0.20	0.650	100
178BRL	10	177GRL		5.8	9.6	28.2	18	0.20	0.800	100
1788RL	05	178BR		7.3	12.1	29.0	16	0.20	1.600	50
35	25	178BRL		7.3	12.1	35.0	22	0.20	2.000	50
179BL 8.3 13.6 39.0 25 0.20 2.500 50 1800 10.3 16.4 36.4 20 0.35 3.300 50	25	179B		8.3	13.6	30.0	16	0.20	1.900	50
50	35	179BL		8.3	13.6	39.0	25	0.20	2.500	50
1800L 10.3 16.4 41.4 25 0.35 4.000 50		1800		10.3	16.4	36.4	20	0.35	3.300	50
	50	1800L		10.3	16.4	41.4	25	0.35	4.000	50

^{* =} not standardized

^{▶ ** =} Quantity per bag

[▶] Tools: see chart page 168



Insulated cable end-sleeves acc. to DIN, Easy Entry, colour code 2







- For fine and superfine stranded conductors
- ▶ Easy-Entry insulation for easy cable insertion
- Crimped cable end-sleeves for easy mounting to cable clamps

Characteristics

- Total cross-section: 0.14 25 mm²
- Acc. to DIN 46228, part 4 (0.5 25 mm²)
- Halide free
- Heat resistant to 105° C

Material

- Copper acc. to EN 13600
- Synthetic material: polypropylene

Surface

Tin-plated to protect against corrosion

Nominal cross					Dimension mm			18/a:abb/	Dealine wit/
section mm ²	Part No.	Colour	d1	d3	11	12	s1	Weight/ 1000 pcs.~ kg	Packing unit/ pcs
0.11	*1666		0.7	2.4	10.4	6	0.12	0.035	1000
0.14	*1668		0.7	2.4	12.4	8	0.12	0.040	1000
0.05	*1676		0.8	2.5	11.0	6	0.15	0.045	1000
0.25	*1678		0.8	2.5	13.0	8	0.15	0.050	1000
0.34	*1686		0.8	2.5	11.0	6	0.15	0.045	1000
0.34	*1688		0.8	2.5	13.0	8	0.15	0.050	1000
	1696		1.0	3.1	11.0	6	0.15	0.070	1000
0.5	1698		1.0	3.1	13.0	8	0.15	0.080	1000
	GR1698		1.0	3.1	13.0	8	0.15	0.080	500**
	1706		1.2	3.2	11.5	6	0.15	0.080	1000
0.75	1708		1.2	3.2	13.5	8	0.15	0.095	1000
	GR1708		1.2	3.2	13.5	8	0.15	0.095	500**
	1716		1.4	3.4	11.5	6	0.15	0.085	1000
1	1718		1.4	3.4	13.5	8	0.15	0.100	1000
	GR1718		1.4	3.4	13.5	8	0.15	0.100	500**
	1726		1.7	3.9	11.5	6	0.15	0.100	1000
	1728		1.7	3.9	13.5	8	0.15	0.120	1000
	GR1728		1.7	3.9	13.5	8	0.15	0.120	500**
1.5	17210		1.7	3.9	16.4	10	0.15	0.130	1000
	17212		1.7	3.9	18.4	12	0.15	0.140	1000
	17218		1.7	3.9	22.8	18	0.15	0.220	1000
	1738		2.2	4.7	14.5	8	0.15	0.140	1000
	GR1738		2.2	4.7	14.5	8	0.15	0.140	500**
2.5	17312		2.2	4.7	19.0	12	0.15	0.200	1000
	17318		2.2	4.7	24.0	18	0.15	0.280	1000
	17410		2.8	5.5	16.5	10	0.20	0.260	100
4	17412		2.8	5.5	20.0	12	0.20	0.300	100
	17418		2.8	5.5	25.5	18	0.20	0.390	100
	17512		3.5	7.0	20.0	12	0.20	0.410	100
6	17518		3.5	7.0	26.0	18	0.20	0.530	100
10	17612		4.5	8.4	21.5	12	0.20	0.550	100
10	17618		4.5	8.4	27.0	18	0.20	0.710	100
16	17712		5.8	9.8	23.5	12	0.20	0.660	100
10	17718		5.8	9.8	29.0	18	0.20	0.850	100



Insulated cable end-sleeves acc. to DIN, Easy Entry, colour code 2

Nominal cross					147-7-1-17	Deeline wit/			
section mm ²	Part No.	Colour	d1	d3	11	12	s1	Weight/ 1000 pcs.~ kg	Packing unit/ pcs
	17816		7.3	12.0	28.0	16	0.20	1.500	50
25	17818		7.3	12.0	30.0	18	0.20	1.550	50
	17822		7.3	12.0	34.0	22	0.20	2.000	50

- * = not standardized
- ▶ ** = Quantity per bag
- ▶ Tools: see chart page 168

Insulated cable end-sleeves with lug

- > For fine and superfine stranded conductors
- ▶ With identification system for max. 6 identification rings



Characteristics

- Total cross-section: 0.5 2.5 mm²
- Dimensions acc. to DIN 46228 part 4
- Insulated, halogen-free
- Heat resistant to 105° C
- Easy-Entry insulation for easy cable insertion

Material

- Copper acc. to EN 13600
- Synthetic material: polypropylene



Tin-plated to protect against corrosion



Nominal cross section						Weight/			
mm ²	Part No.	Colour	d1	d3	l1	12	s1	1000 pcs.~ kg	Packing unit/pcs
0.5	3698		1.0	3.1	13.0	8	0.15	0.16	1000
0.75	3708		1.2	3.2	13.5	8	0.15	0.16	1000
1	3718		1.4	3.4	13.5	8	0.15	0.18	1000
1.5	3728		1.7	3.9	13.5	8	0.15	0.20	1000
2.5	3738		2.2	4.7	14.5	8	0.15	0.22	1000

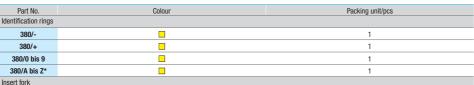
> Tools: see chart page 168

Identification rings and insert fork

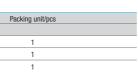
▶ For identifying insulated cable end-sleeves with lugs

Characteristics

- Differing numbers / letters in the identification rings
- Packaging unit in booklet format, 200 of each symbol
- Insert fork A300 for inserting the identification rings on the insulated cable end-sleeves



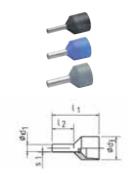
A300 * = without letters "I" and "O"



1



Insulated cable end-sleeves for short circuit resistant conductors





- ▶ For short circuit resistant conductors (e.g. NSGAFOU)
- Crimped cable end-sleeves for easy mounting to cable clamps

Characteristics

- Total cross-section: 1.5 16 mm²
- Insulated, halogen-free
- Heat resistant to 105° C
- Easy-Entry insulation for easy cable insertion
- Colour-coded cross-section assignment

Material

- Copper acc. to EN 13600
- Synthetic material: polypropylene

Surface

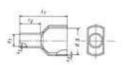
Tin-plated to protect against corrosion

Nominal cross section						Weight/			
mm ²	Part No.	Colour	d1	d3	l1	12	s1	1000 pcs.~ kg	Packing unit/pcs
1.5	4328		1.8	8.1	17.5	8	0.15	0.22	100
1.5	43210		1.8	8.1	19.5	10	0.15	0.27	100
2.5	4338		2.3	8.6	17.5	8	0.15	0.24	100
2.5	43312		2.3	8.6	21.5	12	0.15	0.36	100
4	43410		2.9	10.5	19.5	10	0.20	0.36	100
6	43512		3.6	11.0	23.0	12	0.20	0.49	100
10	43612		4.6	11.7	24.0	12	0.20	0.65	100
16	43712		6.0	14.4	25.5	12	0.20	0.93	100

[▶] Tools: see chart page 168

Insulated twin cable end-sleeves







- For fine and superfine stranded conductors
- For multi purpose use of clamps
- Colour-coding following DIN 46228 part 4 (0.5 16 mm²)
- Crimped cable end-sleeves for easy mounting to cable clamps

Characteristics

- Total cross-section: 2 x 0.25 2 x 16 mm²
- Insulated, halogen-free
- Heat resistant to 105° C
- Easy-Entry insulation for easy cable insertion

Material

- Copper acc. to EN 13600
- Synthetic material: polypropylene

Surface

■ Tin-plated to protect against corrosion (other surfaces available upon request)

Nominal cross section						Weight/	Packing unit/			
mm²	Part No.	Colour	d1	d3	l1	12	s1	s2	1000 pcs.~ kg	pcs
2 x 0.25	8678		1.15	1.8/3.4	15.0	8	0.15	0.25	0.110	1000
2 x 0.34	8688		1.15	1.8/3.4	15.0	8	0.15	0.25	0.110	1000
2 x 0.5	8698		1.50	2.5/4.7	15.0	8	0.15	0.25	0.110	1000
2 x 0.75	8708		1.80	2.8/5.0	15.0	8	0.15	0.25	0.130	1000
2 x 0.75	87010		1.80	2.8/5.0	17.0	10	0.15	0.25	0.150	1000



Insulated twin cable end-sleeves

Nominal cross										
section mm ²	Part No.	Colour	d1	d3	11	12	s1	s2	Weight/ 1000 pcs.~ kg	Packing unit/ pcs
01	8718		2.05	3.4/5.4	15.0	8	0.15	0.30	0.170	1000
2 x 1	87110		2.05	3.4/5.4	17.0	10	0.15	0.30	0.170	1000
01.5	8728		2.30	3.6/6.6	16.0	8	0.15	0.30	0.183	1000
2 x 1.5	87212		2.30	3.6/6.6	20.0	12	0.15	0.30	0.237	1000
005	87310		2.90	4.2/7.8	18.5	10	0.20	0.30	0.312	100
2 x 2.5	87313		2.90	4.2/7.8	21.5	13	0.20	0.30	0.340	100
2 x 4	87412		3.80	4.9/8.8	23.0	12	0.20	0.30	0.467	100
2 x 6	87514		4.90	6.9/10.0	26.0	14	0.20	0.40	0.730	100
2 x 10	87614		6.50	7.2/13.0	26.0	14	0.20	0.40	0.884	100
2 x 16	87714		8.30	9.6/18.4	30.0	14	0.20	0.40	1.273	100

> Tools: see chart page 171

Insulated cable end-sleeves, strips

- ▶ For fine and superfine stranded conductors
- ▶ Crimped cable end-sleeves for easy mounting to cable clamps



Characteristics

- Total cross-section: 0.5 2.5 mm²
- Colour-coding and tube dimension to DIN 46228, part 4
- Insulated, halogen-free
- Heat resistant to 105° C
- Easy-Entry insulation for easy cable insertion

Vlaterial

- Copper acc. to EN 13600
- Synthetic material: polypropylene



■ Tin-plated to protect against corrosion



Nominal cross section			Dimens	sion mm	Weight/	
mm ²	Part No.	Colour	<u>I1</u>	12	1000 pcs.~ kg	Packing unit/pcs
0.5	ST9698		14	8	0.100	500
0.75	ST9708		14	8	0.100	500
1	ST9718		14	8	0.100	500
1.5	ST9728		14	8	0.100	500
2.5	ST9738		14	8	0.100	500



Insulated cable end-sleeves, small coil





- ▶ For fine and superfine stranded conductors
- ▶ Easy-Entry insulation for easy cable insertion
- ▶ Crimped cable end-sleeves for easy mounting to cable clamps
- ▶ Coiled insulated cable-end sleeves for machine processing

Characteristics

- Colour-coding and tube dimension to DIN 46228, part 4
- Insulated, halogen-free
- Heat resistant to 105° C

Material

- Copper acc. to EN 13600
- Synthetic material: polypropylene

Surface

■ Tin-plated to protect against corrosion

Nominal cross section			Dimens	ion mm	Weight/	
mm ²	Part No.	Colour	11	12	1000 pcs.~ kg	Packing unit/pcs
0.5	BAK9698		14	8	0.136	1100
0.75	BAK9708		14	8	0.154	1100
1	BAK9718		14	8	0.187	800
1.5	BAK9728		14	8	0.200	800
2.5	BAK9738		14	8	0.300	500

Insulated cable end-sleeves, large coil





- For fine and superfine stranded conductors
- ▶ Easy-Entry insulation for easy cable insertion
- Crimped cable end-sleeves for easy mounting to cable clamps
- ▶ Coiled insulated cable-end sleeves for machine processing

Characteristics

- Colour-coding and tube dimension to DIN 46228, part 4
- Insulated, halogen-free
- Heat resistant to 105° C

Material

- Copper acc. to EN 13600
- Synthetic material: polypropylene

Surface

■ Tin-plated to protect against corrosion

Nominal cross section			Dimens	ion mm	Weight/	
mm²	Part No.	Colour	11	12	1000 pcs.~ kg	Packing unit/pcs
0.5	BAG9698		14	8	0.120	10000
0.75	BAG9708		14	8	0.130	10000
1	BAG9718		14	8	0.160	7500
1.5	BAG9728		14	8	0.173	7500
2.5	BAG9738		14	8	0.230	5000





■ Tool application chart

Cable end-sleeves acc. to DIN 46228, part 1

	Crimpi	ng tools			Too	l type				
	O minpi	19 10010				1,190				
0				electrical.						
Crimping range corresponds to nominal				pneumatic, crimping tools		Battery				
nominal cross-section		Crimping head/	Mechanical	with interchangeable dies/heads	hydraulic crimping tools	powered crimping tools	Hydraulic crim-	Hydraulic crim-		Page
mm²	Tools	Adapter	crimping tools	dies/heads	tools	tools	ping systems	ping heads	Crimp profile	(Tool)
0,14-2,5	K1		•							224
	K48		•							224
0,14-6	K32		•							225
	K37		•							226
	KP1	+KP312		•						256
	KP1L	+KP312		•						256
	EKP1	+KP312				•				312
	TEKP1	+KP312		•						281
	KPM15	+KP312		•						282
0,14-10	K303		•						\Diamond	229
	KP1	+KP303		•					\Diamond	256
	KP1L	+KP303		•					\Diamond	256
	EKP1	+KP303				•			\Diamond	312
	TEKP1	+KP303		•					\Diamond	281
	KPM15	+KP303		•					\Diamond	282
0,14-50	K50			•						259
	EK50ML			•						278
	EK1550					•				308
	EK1550G					•				310
0,25-6	K38ERG0		•						\Diamond	228
0,5-2,5	K4		•						\otimes	222
0,5-6	K36		•							225
	K382		•						\Diamond	227
0,5-16	K3		•						\otimes	223
1,5-6	K46		•						\otimes	222
	KP1	+KP351		•					0	256
	KP1L	+KP351		•					0	256
	EKP1	+KP351				•			0	312
	TEKP1	+KP351		•					0	281
	KPM15	+KP351		•					0	282
6-16	K34		•							226
10-16	KP1	+KP304		•					\Diamond	256
	KP1L	+KP304		•					\Diamond	256
	EKP1	+KP304				•			\Diamond	312
	TEKP1	+KP304		•					\Diamond	281
	KPM15	+KP304		•					\Diamond	282

See next page







Tool application chart

Cable end-sleeves acc. to DIN 46228, part 1

	Crimpir	ng tools			Tool	l type				
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads		Page le (Tool)
10-16	KP1	+KP352		•					0	256
	KP1L	+KP352		•					0	256
	EKP1	+KP352				•			0	312
	TEKP1	+KP352		•					0	281
	KPM15	+KP352		•					0	282
10-25	K39		•							227
10-35	K35		•						\otimes	223
10-50	K271		•						\Box	230
	K28		•							231
	EK354					•				314
	K354			•						260
	EK354L					•				316
	EK505L					•				318
10-95	K18			•						262
	HK6018				•					286
	EK5018L					•				320
	PK18							•		362
	THK18						•			362
	HK60UNV	+ UA18			•					354
	EK60UNVL	+ UA18				•				357
	EKM60UNVL	+ UA18				•				356
	PK60UNV	+ UA18						•		355
10-150	THK22						•			364
10-240	K22			•						264
	HK6022				•					288
	EK6022L					•				324
	EKM6022L					•				322
	PK22							•		364
	HK60UNV	+ UA22			•					354
	EK60UNVL	+ UA22				•				357
	EKM60UNVL	+ UA22				•				356
	PK60UNV	+ UA22						•		355

See next page





■ Tool application chart

Cable end-sleeves acc. to DIN 46228, part 1

	Crimpin	g tools			Tool	type					
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads			Page (Tool)
25-240	HK12030				•					\Box	292
	HK12042				•					\Box	294
	PK12042							•		\Box	368
	PK120U							•		\Box	370
	HK252						•			\Box	388
	PK252							•		\Box	372
	HK120U				•					\Box	296
	EK12030L					•				\Box	330
	EK12042L					•				\Box	332
	EK120UL					•				\Box	334
	EK120UNVL					•				\Box	358
50-95	K272		•						\Box		230
	K29		•								231



■ Tool application chart

Cable end-sleeves acc. to DIN 46228, part 2

	Crimpin	ig tools			Tool	type				
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)
0.5x2.5	KP1	+KP66		•					0	256
	KP1L	+KP66		•					8	256
	EKP1	+KP66				•			0	312
	TEKP1	+KP66		•					0	281
	KPM15	+KP66		•					8	282







Tool application chart

Insulated cable end-sleeves to DIN 46228, part 4 Insulated cable end-sleeves for short circuit resistant conductors

	Crimpir	g tools			Too	l type				
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)
0.14-2.5	K1		•							224
	K48		•							224
0.14-6	K32		•							225
	K37		•							226
	KP1	+KP312		•						256
	KP1L	+KP312		•						256
	EKP1	+KP312				•				312
	TEKP1	+KP312		•						281
	KPM15	+KP312		•						282
0.14-10	K303		•						\Diamond	229
	KP1	+KP303		•					\Diamond	256
	KP1L	+KP303		•					\Diamond	256
	EKP1	+KP303				•			\Diamond	312
	TEKP1	+KP303		•					\Diamond	281
	KPM15	+KP303		•					\Diamond	282
0.14-50	K50			•					\Box	259
	EK50ML			•					\Box	278
	EK1550					•			\Box	308
	EK1550G					•			\Box	310
0.25-6	K38ERG0		•						\Diamond	228
0,5-2,5	K4		•						\otimes	222
0,5-6	K36		•							225
	K382		•						\Diamond	227
0,5-16	K3		•						\otimes	223
1.5-6	K46		•						\otimes	222
	KP1	+KP351		•					0	256
	KP1L	+KP351		•					0	256
	EKP1	+KP351				•			0	312
	TEKP1	+KP351		•					0	281
	KPM15	+KP351		•					0	282
6-16	K34		•							226
10-16	KP1	+KP304		•					\Diamond	256
	KP1L	+KP304		•					\Diamond	256
	EKP1	+KP304				•			\Diamond	312
	TEKP1	+KP304		•					\Diamond	281
	KPM15	+KP304		•					\Diamond	282
	KP1	+KP352		•					0	256
	KP1L	+KP352		•					0	256
	EKP1	+KP352				•				312







Insulated cable end-sleeves to DIN 46228, part 4 Insulated cable end-sleeves for short circuit resistant conductors

	Crimpin	na tools			Tool	type					
	Offinipin	19 10013		mechanical,	1001	1990					
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	electrical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads			Page (Tool)
10-16	TEKP1	+KP352		•					0		281
	KPM15	+KP352		•					0		282
10-25	K39		•								227
10-35	K35		•						\otimes		223
10-50	K271		•						\Box		230
	K28		•								231
	K354			•							260
	EK354					•					314
	EK354L					•					316
10-95	K18			•						\Box	262
	HK6018				•					\Box	286
	EK5018L					•				\square	320
	PK18							•		\square	362
	THK18						•			\Box	362
	HK60UNV	+ UA18			•					\Box	354
	EK60UNVL	+ UA18				•				\square	357
	EKM60UNVL	+ UA18				•				\Box	356
	PK60UNV	+ UA18						•		\Box	355
10-150	K22			•						\square	264
	HK6022				•					\Box	288
	EK6022L					•				α	324
	EKM6022L					•				\Box	322
	PK22	-						•		\Box	364
	THK22						•			\Box	364
	HK60UNV	+ UA22			•					<u> </u>	354
	EK60UNVL	+ UA22				•				<u> </u>	357
	EKM60UNVL	+ UA22				•				<u> </u>	356
	PK60UNV	+ UA22						•		□	355
25-150	HK12030				•						292
	HK12042				•					<u>m</u>	294
	HK120U				•					<u> </u>	296
	EK12030L					•				<u> </u>	330
	EK12042L EK120UL					•				<u> </u>	332
						•				8	
	HK122EL380 PK12042						•	•		8	390 368
	PK12042 PK120U							<u>:</u>		<u> </u>	370
	FRIZUU									W	3/0





Tool application chart

Insulated cable end-sleeves to DIN 46228, part 4 Insulated cable end-sleeves for short circuit resistant conductors

	Crimpin	g tools			Tool	type					
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads			Page (Tool)
25-150	HK252						•			\Box	388
	HK252EL380						•			\Box	391
	PK252							•		\Box	372
50-95	K272		•						\Box		230
	K29		•								231



Tool application chart

Insulated twin cable end-sleeves

	Crimpin	g tools			Tool	type				
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)
2x0,5-2x2,5	K32		•							225
	K382		•							227
	K38ERG0		•						\Diamond	228
	KP1	+KP312		•						256
	KP1L	+KP312		•						256
	EKP1	+KP312				•				312
	TEKP1	+KP312		•						281
	KPM15	+KP312		•						282
2x0,5-2x4	K303		•						\Diamond	229
	K36		•							225
	KP1	+KP303		•					\Diamond	256
	KP1L	+KP303		•					\Diamond	256
	EKP1	+KP303				•			\Diamond	312
	TEKP1	+KP303		•					\Diamond	281
	KPM15	+KP303		•					\Diamond	282
2x4-2x6	K34		•							226
	KP1								\Diamond	256
	EKP1	+KP304				•			\Diamond	312
	TEKP1	+KP304		•					\Diamond	281

See next page





■ Tool application chart

Insulated twin cable end-sleeves

	Crimpin	g tools			Tool	type					
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp p	profile	Page (Tool)
2x4-2x16	K271		•						\Box		230
	K28		•								231
	K354			•							260
	EK354					•				\Box	314
	EK354L					•				\Box	316
	K18			•						\Box	262
	HK6018				•					\Box	286
	EK505L					•				\Box	318
	EK5018L					•				\Box	320
	PK18							•		\Box	362
	THK18						•			\Box	362
	HK60UNV	+ UA18			•					\Box	354
	EK60UNVL	+ UA18				•				\Box	357
	EKM60UNVL	+ UA18				•				\Box	356
	PK60UNV	+ UA18						•		\Box	355
	THK22						•			\Box	364
	K22			•						\Box	264
	HK6022				•					\Box	288
	EK6022L					•				\Box	324
	EKM6022L					•				\Box	322
	PK22							•			364
	HK60UNV	+ UA22			•					\Box	354
	EK60UNVL	+ UA22				•				\Box	357
	EKM60UNVL	+ UA22				•				\Box	356
	PK60UNV	+ UA22						•		\Box	355



Small parts, big impact.



Insulated and non-insulated cable connections.

To guarantee ultimate safety at all times, specific quality and installation requirements exist for insulated and non-insulated connections. We often hear about technical failures being caused by faulty connections. That's why quality is so important. Because when it comes to electrical connections, minor causes can have major, expensive consequences.

For optimum processing of Klauke connecting materials, we therefore recommend the use of Klauke tools. A harmonised system for professional users in trade and industry.



The Klauke range carries various designs of both insulated and non-insulated cable connections for diverse applications.

- Insulated and non-insulated cable connections for professional users.
- Halogen-free insulation.
- Insulated connectors, heat resistant to 105 °C.
- Hard-soldered in the crimping area.

Heat resistant insulation to 105 °C.

- Cable connections with nominal cross-sections from 0.1 mm² to 6 mm².
- ▶ Halogen-free and heat resistant to 105 °C.
- Simple processing thanks to easy-entry insulation.
- Hard-soldered in the crimping area.
- Grooved profile on the inside.

Benefits:

- The use of these optimised quality materials guarantees reliable electrical connections.
- ▶ Electrical conductivity is maintained, even at higher temperatures.
- ▶ Halogen-free, flame-retardant polyamide insulation releases no toxic vapours in case of fire.
- ▶ Easy-entry polyamide insulation for simple conductor insertion.
- ▶ High-tensile strength thanks to grooved profile in the crimping area permits higher mechanical continuous stress.

■ Receptacles with strain relief.



- ▶ Standardised connectors with 2.8: 4.8: 6.3 and 9.5 mm tab width.
- With grooved profile and additional copper ring in the insulation area.
- ▶ Receptacles, multiple type.
- ▶ Fully-insulated receptacles.

Benefits:

- Standardised tabs enable use for a broad range of applications, including control installations and machine wiring.
- ▶ The grooved profile increases the hold in the crimping area.
- ▶ The connections relieved by copper rings in the crimping area better withstand stresses and vibrations.

■ With indent point for defined pulling forces.

- Receptacle with indent point.
- For harmonised, flexible cables.
- ▶ Receptacles also available in bronze.

THE C



More from Page 179.

Benefits:

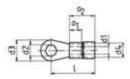
- The additional indent point increases the mechanical rating and guarantees that the connections will withstand the defined pulling forces even after repeated pulling actions.
- Thanks to the material's improved spring characteristics, connectors with bronze receptacles have a higher contact strength and are able to better withstand mechanical stresses, especially at high temperatures.

KlauKe®

Cable connections, insulated and non insulated

Insulated solderless terminals







- Acc. to DIN 46237 with flared insulation sleeve
- ▶ For fine and superfine stranded conductors
- ▶ High-quality brazing process in the crimp area

Characteristics

- Total cross-section: 0.1 6 mm²
- Insulated, halogen-free
- Heat resistant to 105° C
- Easy-Entry insulation for easy cable insertion
- Cross-section-dependent colour-coding

Material

- Cu-ETP
- Insulation sleeve: PA

Surface

■ Tin-plated

Order info

Now also available in handy plastic boxes for smaller requirements, part number appendix "SB"

Nominal cross section	Nominal size							sion mm				Weight/ 100 pcs.	Packing
mm ²	to DIN	Part No.	Colour	a1	a2	d1	d2	d3	d4	1	S	~ kg	unit/pcs
		*6192				1.0	2.3	5.0	2.2	14.0	0.5	0.020	100
		*61925				1.0	2.6	5.0	2.2	14.0	0.5	0.020	100
0.1-0.4		*6193				1.0	3.3	5.0	2.2	14.0	0.5	0.020	100
0.1-0.4		*61935				1.0	3.8	6.5	2.2	16.0	0.5	0.025	100
		*6194				1.0	4.4	7.0	2.2	16.0	0.5	0.025	100
		*6195				1.0	5.4	8.0	2.2	15.0	0.5	0.025	100
	2.5-1	62025		5	10.5	1.6	2.8	6.0	4.5	16.5	0.8	0.060	100
	3.0-1	6203		5	10.5	1.6	3.2	6.0	4.5	16.5	0.8	0.060	100
	3.5-1	62035		5	10.5	1.6	3.7	6.0	4.5	16.5	0.8	0.550	100
0.5-1	4.0-1	6204		5	10.5	1.6	4.3	8.0	4.5	17.5	8.0	0.070	100**
0.5-1	5.0-1	6205		5	10.5	1.6	5.3	10.0	4.5	18.5	0.8	0.090	100
		*6206		5	10.5	1.6	6.5	11.0	4.5	20.5	8.0	0.080	100
		*6208		5	10.5	1.6	8.4	14.0	4.5	22.5	0.8	0.130	100
		*62010		5	10.5	1.6	10.5	18.0	4.5	24.5	0.8	0.130	100
	3.0-2.5	6303		5	11.5	2.3	3.2	6.0	5.1	17.5	0.8	0.065	100
	3.5-2.5	63035		5	11.5	2.3	3.7	6.0	5.1	17.5	8.0	0.065	100
	4.0-2.5	6304		5	11.5	2.3	4.3	8.0	5.1	18.5	0.8	0.080	100**
1.5-2.5	5.0-2.5	6305		5	11.5	2.3	5.3	10.0	5.1	20.5	0.8	0.090	100**
	6.0-2.5	6306		5	11.5	2.3	6.5	11.0	5.1	22.5	0.8	0.110	100
	8.0-2.5	6308		5	11.5	2.3	8.4	14.0	5.1	23.5	0.8	0.130	100
		*63010		5	11.5	2.3	10.5	18.0	5.1	25.5	0.8	0.160	100
	4.0-6	6504		6	12.5	3.6	4.3	8.0	6.5	20.5	1.0	0.140	100
	5.0-6	6505		6	12.5	3.6	5.3	10.0	6.5	21.5	1.0	0.160	100
4-6	6.0-6	6506		6	12.5	3.6	6.5	11.0	6.5	22.5	1.0	0.170	100**
	8.0-6	6508		6	12.5	3.6	8.4	14.0	6.5	25.5	1.0	0.220	100
	10.0-6	65010		6	12.5	3.6	10.5	18.0	6.5	27.5	1.0	0.290	100

^{* =} not standardized

^{** =} Also available in small handy packs

 ^{0.1 - 0.4} mm² not CSA tested

[▶] Tools: see chart page 193

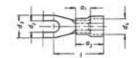


Insulated solderless terminals, fork type

- Acc. to DIN 46237 with flared insulation sleeve
- ▶ For fine and superfine stranded conductors
- ▶ High-quality brazing process in the crimp area
- ▶ Fork-type version for simple and direct screw mounting







Characteristics

- Total cross-section: 0.1 6 mm²
- Insulated, halogen-free
- Heat resistant to 105° C
- Easy-Entry insulation for easy cable insertion
- Cross-section-dependent colour-coding

Material

- Cu-ETP
- Insulation sleeve: PA

Surface

■ Tin-plated

Nominal cross section	Nominal size						Dimens	sion mm				Weight/ 100 pcs.	Packing
mm²	to DIN	Part No.	Colour	a1	a2	d1	d2	d3	d4	1	S	~ kg	unit/pcs
0.1-0.4		*619C3					3.2	5.0		14.0	0.5	0.020	100
	3.0-1	620C3		5	10.5	1.6	3.2	6.0	4.5	16.5	8.0	0.060	100
	3.5-1	620C35		5	10.5	1.6	3.7	6.8	4.5	17.5	8.0	0.060	100
0.5-1	4.0-1	620C4		5	10.5	1.6	4.3	6.8	4.5	17.5	0.8	0.070	100
	5.0-1	620C5		5	10.5	1.6	5.3	10.0	4.5	18.5	0.8	0.090	100
		*620C6		5	10.5	1.6	6.5	11.0	4.5	20.5	8.0	0.080	100
	3.0-2.5	630C3		5	11.5	2.3	3.2	6.0	5.1	17.5	0.8	0.060	100
	3.5-2.5	630C35		5	11.5	2.3	3.7	6.8	5.1	18.5	8.0	0.065	100
1.5-2.5	4.0-2.5	630C4		5	11.5	2.3	4.3	6.8	5.1	18.5	0.8	0.080	100
	5.0-2.5	630C5		5	11.5	2.3	5.3	10.0	5.1	20.5	0.8	0.090	100
	6.0-2.5	630C6		5	11.5	2.3	6.5	11.0	5.1	22.5	0.8	0.110	100
	4.0-6	650C4		6	12.5	3.6	4.3	8.0	6.5	20.5	1.0	0.140	100
	5.0-6	650C5		6	12.5	3.6	5.3	10.0	6.5	21.5	1.0	0.160	100
4-6	6.0-6	650C6		6	12.5	3.6	6.5	11.0	6.5	22.5	1.0	0.170	100
	8.0-6	650C8		6	12.5	3.6	8.4	14.0	6.5	25.5	1.0	0.220	100
	10.0-6	650C10		6	12.5	3.6	10.5	18.0	6.5	27.5	1.0	0.280	100

- * = not standardized
- ▶ 0.1 0.4 mm² not CSA tested
- > Tools: see chart page 193



Insulated pin terminals







- Acc. to DIN 46231 with flared insulation sleeve
- ▶ For fine and superfine stranded conductors
- ▶ High-quality brazing process in the crimp area

Characteristics

- Total cross-section: 0.1 6 mm²
- Insulated, halogen-free
- Cross-section-dependent colour-coding
- Heat resistant to 105° C
- Easy-Entry insulation for easy cable insertion

Material

- Cu-ETP
- Insulation sleeve: PA

Surface

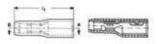
■ Tin-plated

Nominal cross section	Nominal size	size								Weight/ 100 pcs.	Packing	
mm ²	to DIN	Part No.	Colour	a1	a2	d3	d4	11	12	S	~ kg	unit/pcs
0.1-0.4		*704				1.4		18.0	9.0	0.5	0.020	100
0.5.4	4	705		5	10.5	1.9	4.5	22.0	10.0	8.0	0.065	100
0.5-1	1	*705K		5	10.5	1.9	4.5	18.0	6.0	8.0	0.060	100
		710		5	11.5	1.9	5.1	23.0	10.0	8.0	0.065	100
1.5-2.5	2.5	*710K		5	11.5	1.9	5.1	19.5	6.5	8.0	0.060	100
		*710L		5	11.5	1.9	5.1	27.5	16.0	8.0	0.100	100
4-6	6	715		6	12.5	2.7	6.5	26.0	11.0	1.0	0.160	100

- * = not standardized
- ▶ 0.1 0.4 mm² not CSA tested
- ▶ Tools: see chart page 193

Insulated pin receptacles







- For fine and superfine stranded conductors
- High quality bronze material provides optimum spring characteristic and improved contact strength

Characteristics

- Total cross-section: 0.5 6 mm²
- Cross-section-dependent colour-coding
- Heat resistant to 70° C

Material

- CuSnZn (bronze)
- Insulation sleeve: PVC

Surface

■ Tin-plated

Nominal cross section				Dimen	sion mm	Weight/ 100 pcs.	
mm ²	Part No.	Colour	Tab dia	[1	S	~ kg	Packing unit/pcs
0.5-1	920		4	22	0.35	0.060	100
1.5-2.5	930		5	22	0.38	0.120	100
4-6	950		5	22	0.38	0.125	100

^{▶ 1.5 - 2.5} mm² and 4 - 6 mm² not CSA tested

> Tools: see chart page 193



Insulated pin connectors

For fine and superfine stranded conductors

Characteristics

- Total cross-section: 0.5 6 mm²
- Cross-section-dependent colour-coding
- Heat resistant to 70° C

Material

- CuZn (brass)
- Insulation sleeve: PVC

Surface

■ Tin-plated to protect against corrosion







Nominal cross section				Dimens	Weight/ 100 pcs.			
mm²	Part No.	Colour	Tab dia.	11	12	S	~ kg	Packing unit/pcs
0.5-1	1020		4	22	9	0.38	0.060	100
1.5-2.5	1030		5	22	9	0.38	0.075	100
4-6	1050		5	22	9	0.40	0.110	100

- ▶ 1.5 2.5 mm² and 4 6 mm² not CSA tested
- ▶ Tools: see chart page 193

Insulated pin receptacles, fully insulated

▶ For fine and superfine stranded conductors

High quality bronze material provides optimum spring characteristic and improved contact strength





Characteristics

- Total cross-section: 0.5 6 mm²
- Insulated, halogen-free
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

Material

- CuSnZn (bronze)
- Insulation sleeve: PA

Surface

■ Tin-plated

Nominal cross section				Dimension mm		Weight/ 100 pcs.	
mm ²	Part No.	Colour	Tab dia.	I1	S	~ kg	Packing unit/pcs
0.5-1	920V		4	24	0.38	0.065	100
4-6	950V		5	27	0.40	0.150	100

- 4 6 mm² not CSA tested
- ▶ Tools: see chart page 193





Insulated pin connectors, fully insulated





- For fine and superfine stranded conductors
- ▶ High quality bronze material provides optimum spring characteristic and improved contact strength

Characteristics

- Total cross-section: 0.5 6 mm²
- Insulated, halogen-free
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

Material

- CuSnZn (bronze)
- Insulation sleeve: PA

Surface

■ Tin-plated

Nominal cross section mm ²	Part No.	Colour	Tab dia.	11	Dimension mm	s	Weight/ 100 pcs. ~ kg	Packing unit/pcs
0.5-1	1020V		4	25	11	0.38	0.065	100
1.5-2.5	1030V		5	25	11	0.38	0.080	100
4-6	1050V		5	27	13	0.40	0.120	100

^{▶ 1.5 - 2.5} mm² and 4 - 6 mm² not CSA tested

> Tools: see chart page 193



Insulated receptacles, brass - tin plated

> For fine and superfine stranded conductors

Characteristics

- Total cross-section: 0.5 6 mm²
- Acc. to DIN 46245 part 1 3 and similar versions
- Insulated, halogen-free
- Cross-section-dependent colour-coding
- Heat resistant: PVC to 70° C, PA to 105° C

Material

- CuZn (brass)
- Insulation sleeve: PVC/PA

Surface

■ Tin-plated

Order info

Now also available in handy plastic boxes for smaller requirements, part number appendix "SB"







Nominal cross section mm ²	Nominal size to DIN	Part No.	Colour	Tab thickn.	Tab width	l1	Dimension mn	ı s	Insulation material	Weight/ 100 pcs. ~ kg	Packing unit/
		8201		0.5	2.8	17.5	8.0	0.30	PVC	0.035	100
		8201A		0.8	2.8	17.5	8.0	0.30	PVC	0.045	100
0.5.1		8202		0.5	4.8	18.0	6.0	0.35	PVC	0.065	100
0.5-1	4.8 - 1	8203		0.8	4.8	18.0	6.0	0.35	PVC	0.065	100
	6.3 - 1	720		0.8	6.3	22.0	7.5	0.45	PVC	0.090	100*
		7208		0.8	7.7	25.0	9.5	0.40	PVC	0.110	100
		8301		0.5	2.8	18.0	8.0	0.35	PA	0.050	100
		8301A		0.8	2.8	18.0	8.0	0.35	PA	0.060	100
1.5-2.5		8302		0.5	4.8	18.0	6.0	0.35	PVC	0.070	100
1.3-2.3	4.8 - 2.5	8303		0.8	4.8	18.0	6.0	0.35	PVC	0.070	100
	6.3 - 2.5	730		0.8	6.3	21.0	7.4	0.45	PVC	0.090	100*
		7308		0.8	7.7	25.0	9.5	0.45	PVC	0.115	100
		8503		0.8	4.8	23.0	7.5	0.45	PA	0.138	100
4-6	6.3 - 6	750		0.8	6.3	21.0	7.5	0.45	PVC	0.100	100*
		7509		1.2	9.5	26.5	12.0	0.45	PVC	0.150	100

[▶] Tools: see chart page 193





Insulated receptacles, bronze - tin plated







- For fine and superfine stranded conductors
 - High quality bronze material provides optimum spring characteristic and improved contact strength



- Total cross-section: 0.5 6 mm²
- Acc. to DIN 46245, part 3
- Cross-section-dependent colour-coding
- Heat resistant to 70° C

Material

- CuSnZn (bronze)
- Insulation sleeve: PVC

Surface

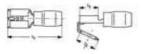
■ Tin-plated

Nominal cross section mm²	Nominal size to DIN	Part No.	Colour	Tab thickn.	Tab width	l1	Dimension mm	I S	Insulation material	Weight/ 100 pcs. ~ kg	Packing unit/ pcs
0,5-1	6,3 - 1	720BZ		0,8	6,3	22	7,5	0,45	PVC	0,09	100
1,5-2,5	6,3 - 2,5	730BZ		0,8	6,3	21	7,4	0,45	PVC	0,09	100
4-6	6,3 - 6	750BZ		0,8	6,3	21	7,5	0,45	PVC	0,10	100

▶ Tools: see chart page 193

Insulated receptacles, multiple type







▶ For fine and superfine stranded conductors

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Characteristics

- Total cross-section: 0.5 6 mm²
- Cross-section-dependent colour-coding
- Heat resistant: PVC to 70° C

Material

- CuZn (brass)
- Insulation sleeve: PVC

Surface

Tin-plated

Nominal cross section mm ²	Part No.	Colour	Tab thickn.	Tab width	IH.	Dimens	ion mm I3	s	Insulation material	Weight/ 100 pcs. ~ kg	Packing unit/
111111-	rait ivu.	GUIUUI	iau uiickii.	Tab Wiutii	- 11	12	IJ	3	materiai	∼ ky	μιδ
0.5-1	720AZ		8.0	6.3	22	7.5	8	0.4	PVC	0.11	100
1.5-2.5	730AZ		8.0	6.3	22	7.5	8	0.4	PVC	0.11	100
4-6	750AZ		0.8	6.3	25	8.0	8	0.4	PVC	0.18	100

▶ Tools: see chart page 193



Insulated receptacles, fully insulated

For fine and superfine stranded conductors

Characteristics

- Total cross-section: 0.5 6 mm²
- Insulated, halogen-free
- Cross-section-dependent colour-coding
- Heat resistant: PVC to 70° C, PA to 105° C

Material

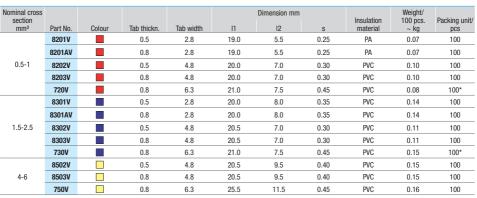
- CuZn (brass)
- Insulation sleeve: PVC/PA

Surface

■ Tin-plated

Order info

Now also available in handy plastic boxes for smaller requirements, part number appendix "SB"

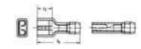


^{* =} Also available in small handy packs









Tools: see chart page 193



Insulated tabs







For fine and superfine stranded conductors

Characteristics

- Total cross-section: 0.5 6 mm²
- Insulated, halogen-free
- Cross-section-dependent colour-coding
- Heat resistant: PVC to 70° C, PA to 105° C

Material

- CuZn (brass)
- Insulation sleeve: PVC/PA

Surface

Tin-plated

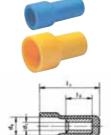
Order info

Now also available in handy plastic boxes for smaller requirements, part number appendix "SB"

Nominal cross section						Dimension mm		Insulation	Weight/ 100 pcs.	Packing unit/
mm ²	Part No.	Colour	Tab thickn.	Tab width	l1	12	S	material	~ kg	pcs
	8201C		0.5	2.8	22.0	11.5	0.4	PA	0.040	100
	8201B		0.8	2.8	14.6	5.5	0.4	PVC	0.060	100
0.5-1	8202B		0.5	4.8	22.0	11.5	0.5	PA	0.070	100
	8203B		0.8	4.8	22.0	11.5	0.4	PA	0.070	100
	820		8.0	6.3	22.0	8.0	0.4	PVC	0.060	100*
	8302B		0.5	4.8	22.0	11.5	0.5	PA	0.070	100
1.5-2.5	8303B		0.8	4.8	22.0	11.5	0.4	PA	0.070	100
	830		0.8	6.3	22.0	8.0	0.4	PVC	0.065	100*
	8502B		0.5	4.8	24.5	10.5	0.4	PA	0.120	100
4-6	8503B		0.8	4.8	24.5	10.5	0.4	PA	0.120	100
	850		0.8	6.3	22.0	8.0	0.4	PVC	0.110	100*

^{* =} Also available in small handy packs

Insulated closed end-splices





▶ For fine and superfine stranded conductors



Characteristics

- Total cross-section: 1.5 6 mm²
- Insulated, halogen-free
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

Material

- Cu-ETP
- Insulation sleeve: PA

Surface ■ Tin-plated

Nominal cross section mm ²	Part No.	Colour	d1	d2	Dimension mm	12	s	Weight/ 100 pcs. ~ kg	Packing unit/pcs
1.5-2.5	1130		2.3	5.2	16	7	8.0	0.05	100
4-6	1150		3.6	7.0	18	7	1.0	0.14	100

[▶] Tools: see chart page 193

[▶] Tools: see chart page 193



Cable connections, insulated and non insulated

Insulated butt connectors

- For fine and superfine stranded conductors
- With buttmarks for precise cable insertion







Characteristics

- Total cross-section: 0.1 6 mm²
- Insulated, halogen-free
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

Material

- Cu-ETP
- Insulation sleeve: PA

Surface

■ Tin-plated

Order info

Now also available in handy plastic boxes for smaller requirements, part number appendix "SB"

Nominal cross section mm²	Part No.	Colour	d1	Dimension mm	12	Weight/ 100 pcs. ~ kg	Packing unit/pcs
0.1-0.4	669		1.2	20	12	0.030	100
0.5-1	670		1.6	25	15	0.090	100*
1.5-2.5	680		2.3	25	15	0.115	100*
4-6	700		3.6	27	15	0.250	100*

- * = Also available in small handy packs
- ▶ 0.1 0.4 mm² not CSA tested
- ▶ Tools: see chart page 193

Insulated butt connectors, with heat shrink insulation

- For fine and superfine stranded conductors
- With buttmarks for precise cable insertion
- With waterproof heat shrink insulation





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Characteristics

- Total cross-section: 0.5 6 mm²
- Insulated, halogen-free
- Cross-section-dependent colour-coding
- Special crimping tool required
- Heat resistant to 105° C

Material

- Cu-ETP
- Insulation sleeve: PE

Surface

■ Tin-plated

Nominal cross section mm²	Part No.	Colour	d1	Dimension mm	12	Weight/ 100 pcs. ~ kg	Packing unit/pcs
0.5-1	670WS		1.6	36	15	0.12	100
1.5-2.5	680WS		2.3	36	15	0.15	100
4-6	700WS		3.4	41	15	0.25	100

> Tools: see chart page 193



Insulated parallel compression joints







▶ For fine and superfine stranded conductors



Characteristics

- Total cross-section: 0.1 6 mm²
- Insulated, halogen-free
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

Material

- Cu-ETP
- Insulation sleeve: PA

Surface

■ Tin-plated

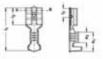
Nominal cross section mm²	Part No.	Colour	d1	Dimension mm	12	Weight/ 100 pcs. ~ kg	Packing unit/pcs
0.1-0.4	769		1.2	13	5	0.020	100
0.5-1	770		1.6	17	7	0.030	100
1.5-2.5	780		2.3	17	7	0.035	100
4-6	790		3.6	21	7	0.105	100

^{▶ 0.1 - 0.4} mm² not CSA tested

Non-insulated receptacles









For fine and superfine stranded conductors



Characteristics

- Total cross-section: 0.5 6 mm²
- Acc. to DIN 46247 part 1 3 and similar versions
- With grooved profile for improved contact characteristics

Material

■ CuZn (brass)

Surface

■ Tin-plated

Order info

* = This part is available in nickel-plated steel; part number appendix "ST"

Nominal cross section	Nominal size						Dimens	ion mm			Weight/ 100 pcs.	Packing
mm ²	to DIN	Part No.	Tab thickn.	Tab width	a1	a2	11	12	13	S	~ kg	unit/pcs
		18251	0.5	2.8	5.0	2.8	12.5	5.0	3.3	0.30	0.025	100
		18251A	0.8	2.8	5.5	2.5	12.5	5.0	3.3	0.30	0.025	100
0.5-1	B 2.8 - 1	18201A	0.8	2.8	5.5	2.5	14.0	6.3	3.3	0.25	0.025	100
0.5-1		18202	0.5	4.8	6.0	3.4	15.6	6.0	3.8	0.35	0.050	100
	4.8 - 1	18203	0.8	4.8	6.0	3.4	15.6	6.0	3.8	0.35	0.050	100
	6.3 - 1	1720	0.8	6.3	8.5	4.5	19.0	7.4	4.0	0.45	0.085	100
1.5-2.5	4.8 - 2.5	18303	0.8	4.8	6.0	3.4	15.6	6.0	3.8	0.35	0.055	100
1.3-2.5	6.3 - 2.5	*1730	0.8	6.3	8.5	4.5	19.0	7.4	4.0	0.45	0.082	100
4-6	6.3 - 6	*1750	0.8	6.3	8.5	4.5	19.0	7.4	4.0	0.45	0.100	100

[▶] Tools: see chart page 194

[▶] Tools: see chart page 193



Non-insulated receptacles, multiple type

For fine and superfine stranded conductors

Characteristics

- Total cross-section: 0.5 6 mm²
- Acc. to DIN 46247 part 1 3 and similar versions
- With grooved profile for improved contact characteristics

Material

■ CuZn (brass)

Surface

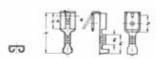
■ Tin-plated

Order info

* = Nickel-plated steel version also available, part number appendix "ST"







Nominal cross section						Dimens	ion mm			Weight/ 100 pcs.	Packing unit/
mm ²	Part No.	Tab thickn.	Tab width	a1	a2	11	12	13	S	~ kg	pcs
0.5-1	18203AZ	0.8	4.8	6.0	3.4	15.6	7	6.0	0.38	0.09	100
	18303AZ	0.8	4.8	6.0	3.4	15.6	7	6.0	0.38	0.09	100
1.5-2.5	1730AZ	0.8	*6.3	8.5	4.5	19.2	8	7.5	0.38	0.13	100

- * = according to DIN 46345, also available in nickel-plated steel
- > Tools: see chart page 194

Non-insulated receptacles with latch

▶ For fine and superfine stranded conductors

Characteristics

- Total cross-section: 0.5 6 mm²
- Acc. to DIN 46340, sheet 3
- With latch to engage in housings
- With grooved profile for improved contact characteristics

Material

■ CuZn (brass)

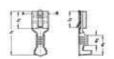
Surface

■ Tin-plated









Nominal cross section mm ²	Part No.	Tab thickn.	Tab width	a1	a2	Dimens I1	ion mm I2	13	S	Weight/ 100 pcs. ~ kg	Packing unit/ pcs
0.5-1	2720	0.8	6.3	8.5	4.5	19.2	7.4	7	0.38	0.070	100
1.5-2.5	2730	0.8	6.3	8.5	4.5	19.2	7.4	7	0.38	0.075	100
4-6	2750	0.8	6.3	8.5	4.5	19.2	7.4	7	0.38	0.090	100

▶ Tools: see chart page 194

KlauKe®

Cable connections, insulated and non insulated

Non-insulated receptacles with lateral conductor connector





▶ For fine and superfine stranded conductors

(B)

Characteristics

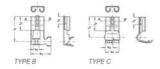
- Total cross-section: 0.5 2.5 mm²
- With grooved profile for improved contact characteristics

Material

■ CuZn (brass)

Surface

■ Tin-plated



Nominal cross section mm ²	Part No.	Tab thickn.	Tab width	Тур	a1	a2	D I1	imension m I2	m 13	14	S	Weight/ 100 pcs. ~ kg	Packing unit/pcs
0.5-1	3720	0.8	6.3	В	11.0	3.0	12.5	7.4	4.0	7.2	0.38	0.080	100
0.5-1.5	3725	0.8	6.3	С	7.5	4.0	11.00	7.4	4.0	7.2	0.45	0.085	100
1.5 - 2.5	3735	0.8	6.3	В	11.0	3.0	13.5	7.0	4.0	7.2	0.38	0.085	100

[▶] Tools: see chart page 194

Non-insulated tabs





▶ For fine and superfine stranded conductors



Characteristics

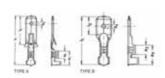
- Total cross-section: 0.5 6 mm²
- With grooved profile for improved contact characteristics

Material

■ CuZn (Messing)

Surface

■ Tin-plated



Nominal cross section	Nominal size						[Dimension mr	m		Weight/ 100 pcs.	Packing
mm ²	to DIN	Part No.	Tab thickn.	Tab width	Тур	a1	a2	d2	11	12	~ kg	unit/pcs
		*2235	0.8	2.8	Α	6.0	3.2	1.30	22.5	12.7	0.045	100
0.5-1	46343 B6.3 - 1	2220	0.8	6.3	Α	8.2	4.0	1.65	28.0	16.0	0.085	100
15.05	46248 A6.3 - 2.5	1830	0.8	6.3	В	9.0	4.5	1.65	20.0	8.0	0.065	100
1.5-2.5	46343 B6.3 - 2.5	2230	0.8	6.3	А	8.2	4.0	1.65	28.0	16.0	0.090	100
4-6	46343 B6.3 - 6	2250	0.8	6.3	Α	8.2	4.0	1.65	28.0	16.0	0.100	100

^{▶ * =} Dimensions in plug sector acc. to DIN 46244

[▶] Tools: see chart page 194



Insulation sleeves

For non-insulated tabs

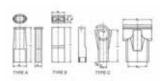
Characteristics

- For cross-sections from 0.5 6 mm²
- For post-insulation of crimped non-insulated receptacles

Material

■ see table





Nominal cross section	Nominal size					mension i		Insu- lation		Weight/ 100 pcs.	Packing
mm ²	to DIN	Part No.	Colour	Тур	b1		h1	material	for part no.	~ kg	unit/pcs
0.5-1	2.8	2755		Α	6.5	20.0	4.0	PE	1825,18251,18251A,18201,18201A	0.015	100
0.5-1.5	4.8	2760		Α	7.0	20.0	5.0	PE	18202,18203	0.015	100
1.5-2.5	4.8	2765		А	9.5	20.0	5.5	PE	18302,18303	0.025	100
0.5-2.5	6.3	2770		Α	12.5	23.0	8.5	PE	1720,1730	0.035	100
0.5-2.5	6.3	2775		Α	9.5	25.0	5.0	PE	1820,1830	0.030	100
0.5-4	6.3	2780		Α	9.5	25.0	6.0	PE	1720,1730,1820,1830	0.030	100
0.5-6	6.3	2785		В	9.2	24.5	5.6	PA	1720,1730,1750,2720,2730,2750	0.055	100
0.5-6	6.3	2790		С	13.5	15.0	3.1	PVC	3720, 3725, 3735	0.060	100



Non-insulated tabs, angled type



Characteristics

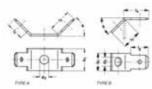
- Acc. to DIN 46342 part 1 and similar versions
- Dimensions in the plug sector to DIN 46244

Mataria

■ CuZn (brass)

Surface

■ Tin-plated



Nominal size		Tab	Tab				Dimensi	ion mm			Weight/ 100 pcs.	Packing
to DIN	Part No.	thickn.	width	Тур	a1	a2	11	12	13	S	~ kg	unit/pcs
	2040	8.0	2.8	Α	5.0	3.2	5.5	6.5		60°	0.040	100
	2045	8.0	6.3	Α	10.0	4.3	8.0	10.0		45°	0.160	100
	2060	0.8	6.3	В	8.0	4.3	8.0	8.0	10.7	30°	0.085	100
	2070	0.8	6.3	В	8.0	3.2	8.0	8.0	10.7	45°	0.085	100
	2075	0.8	6.3	В	8.0	4.1	8.0	8.0	10.7	45°	0.085	100
B 6.3 - 0.8	2080	0.8	6.3	В	8.0	4.3	8.0	8.5	10.7	45°	0.085	100
	2083	0.8	6.3	В	8.0	5.3	8.0	8.5	10.7	45°	0.080	100
	2090	0.8	6.3	В	8.0	5.3	8.0	8.0	10.7	45°	0.080	100
	2100	0.8	6.3	В	7.5	2.5	8.0	5.7	11.5	90°	0.075	100
	2105	0.8	6.3	В	8.0	3.2	8.0	8.0	11.5	90°	0.085	100
C 6.3 - 0.8	2115	0.8	6.3	В	8.0	4.3	8.0	8.5	11.5	90°	0.090	100

Non-insulated tabs, straight type



Characteristics

- Acc. to DIN 46342 part 1 and similar versions
- Dimensions in the plug sector to DIN 46244

Material

■ CuZn (brass)

Surface

■ Tin-plated



TYPE A

Nominal size		Tab	Tab				Dimension mm			Weight/ 100 pcs.	Packing unit/
to DIN	Part No.	thickn.	width	Тур	b1	d2	l1	12	S	~ kg	pcs
	2123	8.0	2.8	Α	4.5	3.1	13.0	5.5	8.0	0.028	100
A 6.3 - 0.8	2140	0.8	6.3	Α	8.0	4.3	19.0	8.0	0.8	0.086	100
	2145	0.8	6.3	А	8.0	5.3	19.0	8.0	0.8	0.080	100



Non-insulated tabs, for soldering applications

Characteristics

- Dimensions in the plug sector to DIN 46244
- For soldering in printed circuits

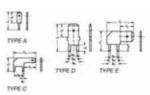
Material

■ CuZn (brass)

Surface

■ Tin-plated





		Tab	_					ion mm				Weight/ 100 pcs.	Packing
Part No.	Tab thickn.	width	Тур	b1	b2	b3	11	12	13	14	S	~ kg	unit/pcs
2010	0.8	2.8	Α				10.5	6.5			0.8	0.015	100
2020	0.5	2.8	C	1.0	5			7.1	8	13.4	0.5	0.025	100
2025	0.8	2.8	С	1.0	5			7.1	8	13.4	0.8	0.040	100
2030	0.8	6.3	D	3.5	5	6.4	16.0	8.0	4	12.0	8.0	0.065	100
2035	0.8	6.3	E	3.8	5	6.2	16.0	8.0	3	12.0	0.8	0.085	100

Non-insulated multiple tabs

Characteristics

■ Dimensions in the plug sector to DIN 46244

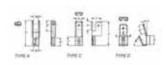
Material

■ CuZn (brass)

Surface

■ Tin-plated





							D	imension m	m				Weight/	
Part No.	Tab thickn.	Tab width	Тур	a1	b2	b3	11	12	13	h	w	s	100 pcs. ~ kg	Packing unit/pcs
735	0.8	2.8	Α	5	3.2	3.1	16.0	6.7				0.38	0.060	100
755	0.8	4.8	С		4.4		20.0	7.0	7.0	8.0		0.38	0.155	100
725	0.8	6.3	D					8	7.5		15°	0.38	0.115	100
775	0.8	6.3	С				20.5	12	7.5	9.6		0.38	0.200	100

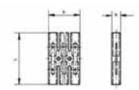


Flexible connectors, tab width 2.8 mm



Characteristics

- With tabs 2.8 x 0.8 mm
- 1, 2 and 12-poles
- Further poles on request

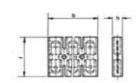


					Dimens	ion mm			Bolt size	e in mm		
Part No.	Tab thickn.	Tab width	Poles	b	ı	h	s	Insulation material	distance	dia.	Weight/ 100 pcs. ~ kg	Packing unit/pcs
8101	8.0	2.8	1	7.5	35	5.5	8.0	PVC			0.2	100
8102	0.8	2.8	2	15.0	35	5.5	0.8	PVC		2.7	0.3	50
81012	0.8	2.8	12	88.0	35	5.5	0.8	PVC	75	2.7	1.6	10

Flexible connectors, tab width 4.8 mm



- With tabs 4.8 x 0.8 mm
- 1, 2 and 12-poles
- Further poles on request



					Dimens	ion mm			Bolt size	e in mm		
Part No.	Tab thickn.	Tab width	Poles	b	ı	h	S	Insulation material	distance	dia.	Weight/ 100 pcs. ~ kg	Packing unit/pcs
8051	0.8	4.8	1	12.5	28	6.6	8.0	PVC			0.25	100
8052	0.8	4.8	2	25.0	28	6.6	0.8	PVC		3.2	0.50	50
80512	0.8	4.8	12	142.0	28	6.6	8.0	PVC	120	3.2	2.80	10

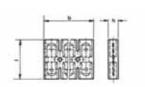


Flexible connectors, tab width 6.3 mm

Characteristics

- With tabs 6.3 x 0.8 mm
- 1, 2 and 12-poles
- Further poles on request



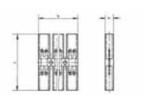


					Dimens	ion mm			Bolt size	e in mm		
Part No.	Tab thickn.	Tab width	Poles	b	1	h	s	Insulation material	distance	dia.	Weight/ 100 pcs. ~ kg	Packing unit/pcs
8001	8.0	6.3	1	12.5	28	6.6	0.8	PVC			0.30	100
8002	0.8	6.3	2	25.0	28	6.6	0.8	PVC		3.7	0.55	50
80012	0.8	6.3	12	142.0	28	6.6	0.8	PVC	120	3.7	3.20	10

Polyamide connectors, tab width 2.8 and 6.3 mm

- With tabs 2.8 x 0.8 mm and 6.3 x 0.8 mm
- 1, 2 and 12-poles
- Further poles on request





					Dimensi	ion mm			Bolt size	in mm		
Part No.	Tab thickn.	Tab width	Poles	b	1	h	S	Insulation material	distance	dia.	Weight/ 100 pcs. ~ kg	Packing unit/pcs
8011	0.8	6.3 and 2 x 2.8	1	10.0	50	7.5	0.8	Polyamid			0.25	100
8012	0.8	6.3 and 2 x 2.8	2	22.5	50	7.5	0.8	Polyamid		3.1	0.50	50
80112	0.8	6.3 and 2 x 2.8	12	147.5	50	7.5	0.8	Polyamid	125	3.1	3.10	10

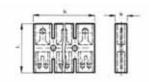


Flexible circuit distributors, tab width 2.8 mm



Characteristics

- With tabs 2.8 x 0.8 mm
- 1 and 12-poles
- Further poles on request



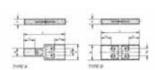
					Dimens	sion mm			Bolt size	e in mm		
Part No.	Tab thickn.	Tab width	Poles	b	1	h	S	Insulation material	distance	dia.	Weight/ 100 pcs. ~ kg	Packing unit/pcs
8151	0,8	2,8	1	12,5	28	7	0,8	PVC			0,25	100
81512	0,8	2,8	12	147,0	28	7	0,8	PVC	123	3,2	2,80	10

Flexible circuit distributors, tab width 6.3 mm



Characteristics

■ With tabs 6.3 x 0.8 mm



		Tab				[Dimension m	m			laculation	Weight/ 100 pcs.	Daaliina
Part No.	Tab thickn.	width	Тур	b	b1	b2	1	11	h	S	Insulation material	~ kg	Packing unit/pcs
816	0.8	6.3	Α	21	11.3	9	53	15	7.5	8.0	PVC	0.60	10
817	0.8	6.3	В	20	11.3	9	51	13	7.0	0.8	PVC	0.65	10





■ Tool application chart

Insulated cable connections

	Crimpin	ng tools			Tool	type				
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)
0.1-1	K80		•						0	233
	KP1	+KP80		•					0	256
	KP1L	+KP80		•					0	256
	EKP1	+KP80				•			0	312
	TEKP1	+KP80		•					0	281
	KPM15	+KP80		•					0	282
0.5-2.5	K81		•						0	233
	KP1	+KP81		•					0	256
	KP1L	+KP81		•					0	256
	EKP1	+KP81				•			0	312
	TEKP1	+KP81		•					0	281
	KPM15	+KP81		•					0	282
0.5-6	K10		•						0	232
	K14		•						0	232
	K50			•					0	259
	EK50ML			•					0	278
	EK1550					•			0	308
	EK1550G					•			0	310
	K82		•						0	234
4-6	KP1	+KP83		•					0	256
	KP1L	+KP83		•					0	256
	EKP1	+KP83				•			0	312
	TEKP1	+KP83		•					0	281
	KPM15	+KP83		•					0	282



■ Tool application chart

Butt connectors with heat shrink insulation

	Crimpin	g tools			Tool	type				
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads		Page (Tool)
0.5-6	K50			•					0	259
	EK50ML			•					0	278
	EK1550					•			0	308
	EK1550G					•			0	310





Tool application chart

Non-insulated receptacles, straight type

	Crimpin	ig tools			Tool	type				
Crimping range corresponds to nominal cross-section mm ²		Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads	Crimp profile	Page (Tool)
0.1-1	K572		•						0	235
	K67		•						8	237
0.1-6	K50			•					8	259
	EK50ML			•					0	278
	EK1550					•			∞	308
	EK1550G					•			∞	310
0.5-2.5	K582		•						8	236
	K65		•						0	237
	K68		•						8	239
0.5-6	K592		•						0	236
	K60		•						∞	235



Tool application chart

Non-insulatec receptacles, with lateral conductor connector

	Crimpir	ng tools			Tool	type				
Part No.	Tools	Crimping head/ Adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	Hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crim- ping systems	Hydraulic crim- ping heads		Page (Tool)
3720 3735	K50			•					0	259
	EK50ML			•					∞	278
	EK1550					•			∞	308
	EK1550G					•			∞	310
	K63		•						∞	238
	SKP6			•					∞	258
3725	K50			•					∞	259
	EK50ML			•					0	278
	EK1550					•			∞	308
	EK1550G					•			8	310
	K64		•						0	238
	SKP6			•					∞	258











Everything inits place.



Pocket boxes and assortment boxes.

Connecting materials and crimping tools immediately at hand, assorted and safely stored. Klauke assortment boxes offer you these benefits. The pocket boxes made from impact-resistant plastic are designed so that the connecting material remains in the pockets, even after an impact or strong vibrations. You save time, stay calm and don't lose any material.

Needless to say, the assortment boxes are also available empty. You can then use them for your own particular range of Klauke connecting materials.



- Pocket boxes from impact-resistant plastic with cable end-sleeves.
 Assortment boxes with tubular and
- Assortment boxes with tubular and compression cable lugs, cable end-sleeves and insulated cable connections with appropriate stripping and crimping tool.





■ Cable end-sleeves assorted in pocket boxes.



- For cable end-sleeves with or without insulation.
- Rotating chute with zero positioning and indent.
- From impact-resistant plastic.
- Pocket boxes with raised edge.

Benefits:

- The cable end-sleeves are assorted for direct use. No need to search and quick progressing.
- Thanks to the practical opening, the required number is always taken.
- The pocket boxes are the ideal solution for rough site operation.
- ▶ The raised edge makes it easier to top up the pocket boxes. The boxes can also be stacked.

■ **Practical assortments** of connecting materials and tools.

- Matched to the most frequent applications.
- > Sorting pockets close flush with the lid.
- From impact-resistant, high-quality plastic.
- > Sturdy designs for use on construction sites.
- Now also for integration into TÜV-tested vehicle equipment systems from SORTIMO

Benefits:

- You get a perfectly matched assortment of tools and connecting materials.
- Users always have the right materials at hand.
- The materials remain in the correct pocket during transportation, even in the event of a crash or strong vibrations.









SK 65 B Metal assortment box with tubular cable lugs and crimping tool



▶ Hammer-tone finished assortment box

Characteristics

- Sturdy steel carrying case with lock and handle
- Dimensions: 400x250x50 mm

Item		Part	
Assortment box v	vith tubular cable lugs "standard type" and crimping tool K05	SK6	5B
Scope of supply	Description	Quantity	Page
SK65L	Steel carrying case	1	215
K05	Crimping tool for tubular cable lugs and connectors, standard type 6 - 50 mm ²	1	247
1R6	Tubular cable lug without inspection hole, 6 mm², M6, Cu tinned	25	34
1R8	Tubular cable lug without inspection hole, 6 mm², M8, Cu tinned	25	34
2R6	Tubular cable lug without inspection hole, 10 mm², M6, Cu tinned	25	34
2R8	Tubular cable lug without inspection hole, 10 mm², M8, Cu tinned	25	34
3R8	Tubular cable lug without inspection hole, 16 mm², M8, Cu tinned	25	34
3R10	Tubular cable lug without inspection hole, 16 mm², M10, Cu tinned	25	34
4R8	Tubular cable lug without inspection hole, 25 mm², M8, Cu tinned	25	34
4R10	Tubular cable lug without inspection hole, 25 mm², M10, Cu tinned	25	34
5R8	Tubular cable lug without inspection hole, 35 mm², M8, Cu tinned	20	34
5R10	Tubular cable lug without inspection hole, 35 mm², M10, Cu tinned	20	34
6R10	Tubular cable lug without inspection hole, 50 mm², M10, Cu tinned	20	34
6R12	Tubular cable lug without inspection hole, 50 mm², M12, Cu tinned	20	34

SK 50 B Metal assortment box with DIN compression cable lugs and crimping tool



Hammer-tone finished assortment box

- Sturdy steel carrying case with lock and handle
- Dimensions: 400x250x50 mm

Item				
Assortment box fr	om steel with DIN compression cable lugs and crimping tool	SK5	0B	
Scope of supply	Description	Quantity	Page	
SK65L	Steel carrying case	1	215	
K05D	Crimping tool for compression cable lugs and connectors (DIN 46235 / DIN 46267 part 1) 6 - 50 mm ²	1	247	
101R5	Compression cable lug, DIN 46235, 6 mm ² , M5, Cu tinned	50	72	
101R6	Compression cable lug, DIN 46235, 6 mm², M6, Cu tinned	50	72	
102R5	Compression cable lug, DIN 46235, 10 mm ² , M5, Cu tinned	50	72	
102R6	Compression cable lug, DIN 46235, 10 mm², M6, Cu tinned	50	72	
103R8	Compression cable lug, DIN 46235, 16 mm ² , M8, Cu tinned	25	72	
103R10	Compression cable lug, DIN 46235, 16 mm², M10, Cu tinned	25	72	
104R8	Compression cable lug, DIN 46235, 25 mm², M8, Cu tinned	25	72	
104R10	Compression cable lug, DIN 46235, 25 mm ² , M10, Cu tinned	25	72	
105R8	Compression cable lug, DIN 46235, 35 mm ² , M8, Cu tinned	20	72	
105R10	Compression cable lug, DIN 46235, 35 mm², M10, Cu tinned	20	72	
106R10	Compression cable lug, DIN 46235, 50 mm², M10, Cu tinned	15	72	
106R12	Compression cable lug, DIN 46235, 50 mm², M12, Cu tinned	15	72	



L-BOXX 65BCB - plastic - with blue connection® equipment

► Extensive equipment based on the blue connection® product line, including crimping tool, cutting tool and electrician's knife

Characteristics

- Manufactured from shock and impact resistant ABS plastic, very robust, loadable to 100 kg
- Stackable using an Easy-Click system which allows an easy opening and closing
- Dimensions: 442x357x117 mm (W/D/H)

Item		Part	No.
L-BOXX from plas	tic with blue connection® equipment	LBOXX	55BCB
Scope of supply	Description	Quantity	Page
K05BC	Crimping tool for tubular cable lugs and connectors, blue connection® 6 - 50 mm²	1	246
K100	Hand-operated cutting tool for Cu and Al cables to 14 mm dia.	1	268
KL740416	Electrician's knife, without blade 4 - 16 mm dia.	1	520
6B6	Rohrkabelschuhe, blue connection®, 6 mm², M6, Cu	25	26
6B8	Tubular cable lugs, blue connection®, 6 mm², M8, Cu	25	26
10B6	Rohrkabelschuhe, blue connection®, 10 mm², M6, Cu	25	26
10B8	Rohrkabelschuhe, blue connection®, 10 mm², M8, Cu	25	26
16B10	Tubular cable lugs, blue connection®, 16 mm², M10, Cu	25	26
25B8	Tubular cable lugs, blue connection®, 25 mm², M8, Cu	20	26
25B10	Tubular cable lugs, blue connection®, 25 mm², M10, Cu	20	26
35B8	Tubular cable lugs, blue connection®, 35 mm², M8, Cu	20	26
35B10	Tubular cable lugs, blue connection®, 35 mm², M10, Cu	20	26
50B10	Tubular cable lugs, blue connection®, 50 mm², M10, Cu	20	26
LB0XX102LFG	L-BOXX with front handle (W/D/H: 442 x 357 x 117 mm)	1	



L-BOXX 65B - plastic - with standard equipment for electrical installation

- Manufactured from shock and impact resistant ABS plastic, very robust, loadable to 100 kg
- Stackable using an Easy-Click system which allows an easy opening and closing
- Dimensions: 442x357x117 mm (W/D/H)

Item		Part	
L-BOXX from plas	stic with standard equipment for electrical installation	LBOXX	(65B
Scope of supply	Description	Quantity	Page
K05	Crimping tool for tubular cable lugs and connectors, standard type 6 - 50 mm ²	1	247
K100	Hand-operated cutting tool for Cu and Al cables to 14 mm dia.	1	268
KL740416	Electrician's knife, without blade 4 - 16 mm dia.	1	520
1R6	Tubular cable lug without inspection hole, 6 mm², M6, Cu tinned	25	34
1R8	Tubular cable lug without inspection hole, 6 mm², M8, Cu tinned	25	34
2R6	Tubular cable lug without inspection hole, 10 mm², M6, Cu tinned	25	34
2R8	Tubular cable lug without inspection hole, 10 mm², M8, Cu tinned	25	34
3R10	Tubular cable lug without inspection hole, 16 mm², M10, Cu tinned	25	34
4R8	Tubular cable lug without inspection hole, 25 mm², M8, Cu tinned	20	34
4R10	Tubular cable lug without inspection hole, 25 mm², M10, Cu tinned	20	34
5R8	Tubular cable lug without inspection hole, 35 mm², M8, Cu tinned	20	34
5R10	Tubular cable lug without inspection hole, 35 mm², M10, Cu tinned	20	34
6R10	Tubular cable lug without inspection hole, 50 mm², M10, Cu tinned	15	34
LB0XX102LFG	L-BOXX with front handle (W/D/H: 442 x 357 x 117 mm)	1	





ST 23 B Pocket box with cable end-sleeves 0.25 - 1 mm²



Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable
- * = not standardized

Item		Part	No.
Pocket box with	cable end-sleeves 0.25 - 1 mm² to DIN 46228 part 1	ST2	3B
Scope of supply	Description	Quantity	Page
ST23L	Pocket box	1	
*695V	Cable end-sleeve, 0.25 mm², 5mm long, Cu tinned	1000	154
*705V	Cable end-sleeve, 0.34 mm², 5mm long, Cu tinned	1000	154
716V	Cable end-sleeve DIN 46228 part 1, 0.75 mm², 6mm long, Cu tinned	1000	154
71S6V	Cable end-sleeve DIN 46228 part 1, 0.5 mm², 6mm long, Cu tinned	500	154
72S6V	Cable end-sleeve DIN 46228 part 1, 1.0 mm², 6mm long, Cu tinned	500	154

ST 21 B Pocket box with cable end-sleeves 0.5 - 2.5 mm²



▶ Pocket box made from impact-resistant plastic

Characteristics

Stackable and resealable

Item		Part	No.
Pocket box with	cable end-sleeves 0.5 - 2.5 mm² to DIN 46228 part 1	ST21B	
Scope of supply	Description	Quantity	Page
ST21L	Pocket box	1	
71S6V	Cable end-sleeve DIN 46228 part 1, 0.5 mm², 6mm long, Cu tinned	1000	154
716V	Cable end-sleeve DIN 46228 part 1, 0.75 mm 2 , 6mm long, Cu tinned	500	154
72S6V	Cable end-sleeve DIN 46228 part 1, 1.0 mm², 6mm long, Cu tinned	500	154
727V	Cable end-sleeve DIN 46228 part 1, 1.5 mm², 7mm long, Cu tinned	500	154
737V	Cable end-sleeve DIN 46228 part 1, 2.5 mm², 7mm long, Cu tinned	500	154

ST 22 B Pocket box with cable end-sleeves 4 - 16 mm²



Pocket box made from impact-resistant plastic

Characteristics

Item Pocket box with o	cable end-sleeves 4 - 16 mm² to DIN 46228 part 1	Part ST2	
Scope of supply	Description Pocket box	Quantity 1	Page
749V	Cable end-sleeve DIN 46228 part 1, 4 mm², 9mm long, Cu tinned	200	155
7512V	Cable end-sleeve DIN 46228 part 1, 6 mm², 12mm long, Cu tinned	100	155
7612V	Cable end-sleeve DIN 46228 part 1, 10 mm², 12mm long, Cu tinned	70	155
7712V	Cable end-sleeve DIN 46228 part 1, 16 mm², 12mm long, Cu tinned	70	155



ST 15 B Pocket box with insulated twin cable end-sleeves 2 x 0.75 - 2 x 2.5 mm²

▶ Pocket box made from impact-resistant plastic

Characteristics

■ Stackable and resealable

Item Pocket box	with tw	in cable end-sleeves 2 x 0.75 - 2 x 2.5 mm²	Part ST1	
Scope of supply	Colour	Description	Quantity	Page
ST15L		Pocket box	1	
8708		Ins. twin cable end-sleeve, 2 x 0.75 mm ²	50	162
8718		Ins. twin cable end-sleeve, 2 x 1 mm ²	50	162
8728		Ins. twin cable end-sleeve, 2 x 1.5 mm ²	50	162
87310		Ins. twin cable end-sleeve, 2 x 2.5 mm ²	50	162



ST 1 B Pocket box with ins. cable end-sleeves 0.5 - 2.5 mm2, DIN 46228 p. 4, colour code 1

▶ Pocket box made from impact-resistant plastic

Characteristics

Stackable and resealable

Item Pocket box	k with ins	sulated cable end-sleeves 0.5 - 2.5 mm²	Part ST1	
Scope of supply	Colour	Description Pocket box	Quantity 1	Page
1690		Ins. cable end-sleeve DIN 46228 part 4, 0.5 mm², 14mm long	50	158
170W		Ins. cable end-sleeve DIN 46228 part 4, 0.75 mm², 14.6mm long	100	159
171G		Ins. cable end-sleeve DIN 46228 part 4, 1 mm², 14.6mm long	100	159
172R0		Ins. cable end-sleeve DIN 46228 part 4, 1.5 mm², 14.6mm long	100	159
173B		Ins. cable end-sleeve DIN 46228 part 4, 2.5 mm², 15.2mm long	50	159



ST 11 B Pocket box with insulated cable end-sleeves 0.5 - 2.5 mm², DIN 46228 part 4

▶ Pocket box made from impact-resistant plastic

Characteristics

Item Pocket box	with ins	sulated cable end-sleeves 0.5 - 2.5 mm²	Part ST1	
Scope of supply	Colour	Description	Quantity	Page
ST11L		Pocket box	1	
4698		Ins. cable end-sleeve DIN 46228 part 4, 0.5 mm², 14mm long	50	157
4708		Ins. cable end-sleeve DIN 46228 part 4, 0.75 mm², 14mm long	100	157
4718		Ins. cable end-sleeve DIN 46228 part 4, 1 mm², 14mm long	100	157
4728		Ins. cable end-sleeve DIN 46228 part 4, 1.5 mm², 14mm long	100	157
4738		Ins. cable end-sleeve DIN 46228 part 4, 2.5 mm², 14mm long	50	157





ST 31 B Pocket box with ins. cable end-sleeves 0.5 - 2.5 mm², DIN 46228 p. 4, colour code 2



Pocket box made from impact-resistant plastic

Characteristics

Stackable and resealable

Item Pocket box	k with ins	sulated cable end-sleeves 0.5 - 2.5 mm ²	Part ST3	
Scope of supply	Colour	Description	Quantity	Page
ST31L 1698		Pocket box Ins. cable end-sleeve DIN 46228 part 4, 0.5 mm², 13mm long	50	160
1708		Ins. cable end-sleeve DIN 46228 part 4, 0.75 mm², 13.5mm long	100	160
1718		Ins. cable end-sleeve DIN 46228 part 4, 1 mm², 13.5mm long	100	160
1728		Ins. cable end-sleeve DIN 46228 part 4, 1.5 mm², 13.5mm long	100	160
1738		Ins. cable end-sleeve DIN 46228 part 4, 2.5 mm², 14.5mm long	50	160

ST 12 B Pocket box with insulated cable end-sleeves 4 - 16 mm², DIN 46228 part 4



Pocket box made from impact-resistant plastic

Characteristics

■ Stackable and resealable

Item Pocket box	x with ins	sulated cable end-sleeves 4 - 16 mm² to DIN 46228 part 4	Part ST1:	
Scope of supply	Colour	Description	Quantity	Page
ST12L		Pocket box	1	
47410		Ins. cable end-sleeve DIN 46228 part 4, 4 mm², 17mm long	50	157
47512		Ins. cable end-sleeve DIN 46228 part 4, 6 mm², 20mm long	20	157
47612		Ins. cable end-sleeve DIN 46228 part 4, 10 mm ² , 22mm long	20	157
47712		Ins. cable end-sleeve DIN 46228 part 4, 16 mm², 24mm long	10	157

ST 2 B Pocket box with cable end-sleeves 4 - 16 mm², DIN 46228 part 4, colour code 1



Pocket box made from impact-resistant plastic

Characteristics

Item				No.
Pocket box	Pocket box with insulated cable end-sleeves 4 - 16 mm ²			!B
Scope of supply	Colour	Description	Quantity	Page
ST2L		Pocket box	1	
174GR		Ins. cable end-sleeve DIN 46228 part 4, 4 mm², 16.5mm long	50	159
175S		Ins. cable end-sleeve DIN 46228 part 4, 6 mm², 20mm long	20	159
176E		Ins. cable end-sleeve DIN 46228 part 4, 10 mm², 21.5mm long	20	159
177GR		Ins. cable end-sleeve DIN 46228 part 4, 16 mm², 22.2mm long	10	159



ST 32 B Pocket box with ins. cable end-sleeves 4 - 16 mm², DIN 46228 p. 4, colour code 2

▶ Pocket box made from impact-resistant plastic

Characteristics

■ Stackable and resealable

Item Pocket box	with ins	sulated cable end-sleeves 4 - 16 mm²	Part ST3	
Scope of supply	Colour	Description	Quantity	Page
ST32L		Pocket box	1	
17410		Ins. cable end-sleeve DIN 46228 part 4, 4 mm², 16.5mm long	50	160
17512		Ins. cable end-sleeve DIN 46228 part 4, 6 mm², 20mm long	20	160
17612		Ins. cable end-sleeve DIN 46228 part 4, 10 mm², 21.5mm long	20	160
17712		Ins. cable end-sleeve DIN 46228 part 4, 16 mm², 23.5mm long	10	160



ST 3 B Pocket box with ins. cable end-sleeves 0.25 - 1 mm², DIN 46228 p. 4, colour code 1

▶ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable
- * = Part No. 167H and 168T are not standardized

Item Pocket box	with ins	sulated twin cable end-sleeves 0.25-1 mm²	Part ST3	
Scope of supply	Colour	Description	Quantity	Page
ST3L		Pocket box	1	
*167H		Ins. cable end-sleeve, 0.25 mm², 10.4mm long	30	158
*168T		Ins. cable end-sleeve, 0.34 mm², 10.4mm long	30	158
1690		Ins. cable end-sleeve DIN 46228 part 4, 0.5 mm², 14mm long	30	158
170W		Ins. cable end-sleeve DIN 46228 part 4, 0.75 mm², 14.6mm long	30	159
171G		Ins. cable end-sleeve DIN 46228 part 4, 1 mm², 14.6mm long	30	159



ST 13 B Pocket box with ins. cable end-sleeves 0.25 - 1 mm², DIN 46228 p. 4 and similar, colour code 1

▶ Pocket box made from impact-resistant plastic

- Stackable and resealable
- * = Part No. 167H and 168T are not standardized

Item Pocket box	k with ins	sulated cable end-sleeves 0.25 - 1 mm² to DIN 46228 part 4	Part ST1	
Scope of supply ST13L	Colour	Description Pocket box	Quantity 1	Page
*167H		Ins. cable end-sleeve, 0.25 mm², 10.4mm long	30	158
*168T		Ins. cable end-sleeve, 0.34 mm², 10.4mm long	30	158
4698		Ins. cable end-sleeve DIN 46228 part 4, 0.5 mm², 14mm long	30	157
4708		Ins. cable end-sleeve DIN 46228 part 4, 0.75 mm², 14mm long	30	157
4718		Ins. cable end-sleeve DIN 46228 part 4, 1 mm², 14mm long	30	157





ST 33 B Pocket box with ins. cable end-sleeves 0.25 - 1 mm², DIN46228 p.4 and similar, colour code 2



▶ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable
- * = not standardized

Item			Part	No.
Pocket box	with ins	sulated cable end-sleeves 0.25 - 1 mm ²	ST3	3B
Scope of supply	Colour	Description	Quantity	Page
ST33L		Pocket box	1	
*1676		Ins. cable end-sleeve, 0.25 mm ² , 11mm long	30	160
*1686		Ins. cable end-sleeve, 0.34 mm ² , 11mm long	30	160
1698		Ins. cable end-sleeve DIN 46228 part 4, 0.5 mm², 13mm long	30	160
1708		Ins. cable end-sleeve DIN 46228 part 4, 0.75 mm², 13.5mm long	30	160
1718		Ins. cable end-sleeve DIN 46228 part 4, 1 mm², 13.5mm long	30	160

GR 4698 DO Pocket box with insulated cable end-sleeves 0.5 mm²



▶ Pocket box made from impact-resistant plastic

Characteristics

Stackable and resealable

Item Pocket box	Item Pocket box with insulated cable end-sleeves 0.5 mm² to DIN 46228 part 4			
Scope of supply	Colour	Description	Quantity	Page
4698		Ins. cable end-sleeve DIN 46228 part 4, 0.5 mm², 14mm long	1000	157

GR 4708 DO Pocket box with insulated cable end-sleeves 0.75 mm²



▶ Pocket box made from impact-resistant plastic

Characteristics

Item	v with inc	sulated cable end-sleeves 0.75 mm² DIN 46228 part 4	Part I	
Scope of	V VVIIII III	sulated cable end-siceves 0.73 mm. bit 40220 part 4	UII-770	юво
supply	Colour	Description	Quantity	Page
4708		Ins. cable end-sleeve DIN 46228 part 4, 0.75 mm², 14mm long	1000	157



GR 4718 DO Pocket box with insulated cable end-sleeves 1 mm²

Pocket box made from impact-resistant plastic

Characteristics

■ Stackable and resealable

Item			Part	No.
Pocket box with insulated cable end-sleeves 1 mm ² DIN 46228 part 4			GR4718D0	
Scope of supply	Colour	Description	Quantity	Page
4718		Ins. cable end-sleeve DIN 46228 part 4, 1 mm ² , 14mm long	1000	157



GR 4728 DO Pocket box with insulated cable end-sleeves 1.5 mm²

Pocket box made from impact-resistant plastic

Characteristics

Stackable and resealable

Item			Part	No.
Pocket box with insulated cable end-sleeves 1.5 mm² DIN 46228 part 4			GR472	28D0
Scope of supply	Colour	Description	Quantity	Page
4728		Ins. cable end-sleeve DIN 46228 part 4, 1.5 mm², 14mm long	1000	157



GR 4738 DO Pocket box with insulated cable end-sleeves 2.5 mm²

▶ Pocket box made from impact-resistant plastic

Characteristics

Stackable and resealable

Item Pocket box	with ins	sulated cable end-sleeves 2.5 mm² DIN 46228 part 4	Part GR473	
Scope of supply	Colour	Description	Quantity	Page
4738		Ins. cable end-sleeve DIN 46228 part 4, 2.5 mm², 14mm long	1000	157



ST 5 L Assortment of empty pocket boxes

▶ Pocket box made from impact-resistant plastic

Characteristics

Item	Part No.
Assortment of pocket boxes	ST5L





SK 30 B Metal assortment box with cable end-sleeves and crimping tool



▶ Hammer-tone finished assortment box

Characteristics

■ Dimensions: 200x140x40 mm

Item		Part	No.
Assortment box f	rom steel with cable end-sleeves and crimping tool	SK3	0B
Scope of supply	Description	Quantity	Page
SK30L	Steel carrying case	1	213
K48	Crimping tool for cable end-sleeves 0.14 - 2.5 mm ²	1	224
716V	Cable end-sleeve DIN 46228 part 1, 0.75 mm², 6mm long, Cu tinned	1000	154
72S6V	Cable end-sleeve DIN 46228 part 1, 1.0 mm², 6mm long, Cu tinned	1000	154
727V	Cable end-sleeve DIN 46228 part 1, 1.5 mm², 7mm long, Cu tinned	1000	154
737V	Cable end-sleeve DIN 46228 part 1, 2.5 mm², 7mm long, Cu tinned	1000	154

SK 32 B Metal assortment box with cable end-sleeves and crimping tool



- ▶ Broad cable end-sleeve range with single-acting crimping tool
- ▶ Hammer-tone finished assortment box

Characteristics

■ Dimensions: 285x155x45 mm

Item Assortment box from steel with cable end-sleeves and crimping tool		Part SK3	
Scope of supply	Description	Quantity	Page
SK32L	Steel carrying case	1	213
K3	Crimping tool for cable end-sleeves 0.5 - 16 mm ²	1	223
716V	Cable end-sleeve DIN 46228 part 1, 0.75 mm², 6mm long, Cu tinned	1000	154
72S6V	Cable end-sleeve DIN 46228 part 1, 1.0 mm², 6mm long, Cu tinned	1000	154
727V	Cable end-sleeve DIN 46228 part 1, 1.5 mm², 7mm long, Cu tinned	1000	154
737V	Cable end-sleeve DIN 46228 part 1, 2.5 mm², 7mm long, Cu tinned	500	154
749V	Cable end-sleeve DIN 46228 part 1, 4 mm², 9mm long, Cu tinned	500	155
7510V	Cable end-sleeve DIN 46228 part 1, 6 mm², 10mm long, Cu tinned	500	155
7618V	Cable end-sleeve DIN 46228 part 1, 10 mm², 18mm long, Cu tinned	250	155
7718V	Cable end-sleeve DIN 46228 part 1, 16 mm², 18mm long, Cu tinned	150	155



SK 45 B Metal assortment box with insulated cable end-sleeves and crimping tool

- Four of the most important insulated cable end-sleeves in a steel carrying case including single-acting crimping tool
- ▶ Hammer-tone finished assortment box

Characteristics

■ Dimensions: 200x140x40 mm

ltem	Part	No.
Assortment box from steel with Ins. cable end-sleeves and crimping tool	SK4	5B
Scope of supply Colour Description	Quantity	Page
SK30L Steel carrying case	1	213
K48 Crimping tool for cable end-sleeves 0.14 - 2.5 mm ²	1	224
Ins. cable end-sleeve DIN 46228 part 4, 0.75 mm², 14mm long	300	157
4718 Ins. cable end-sleeve DIN 46228 part 4, 1 mm², 14mm long	300	157
4728 Ins. cable end-sleeve DIN 46228 part 4, 1.5 mm², 14mm long	300	157
4738 Ins. cable end-sleeve DIN 46228 part 4, 2.5 mm², 14mm long	200	157



SK 47 B Metal assortment box with insulated cable end-sleeves and crimping tool

▶ Hammer-tone finished assortment box

Characteristics

■ Dimensions: 285x155x45 mm

Item			Part No.	
Assortmer	it box fro	m steel with Ins. cable end-sleeves and crimping tool	SK4	7B
Scope of supply	Colour	Description	Quantity	Page
SK32L		Steel carrying case	1	213
К3		Crimping tool for cable end-sleeves 0.5 - 16 mm ²	1	223
4708		Ins. cable end-sleeve DIN 46228 part 4, 0.75 mm², 14mm long	200	157
4718		Ins. cable end-sleeve DIN 46228 part 4, 1 mm², 14mm long	200	157
4728		Ins. cable end-sleeve DIN 46228 part 4, 1.5 mm², 14mm long	200	157
4738		Ins. cable end-sleeve DIN 46228 part 4, 2.5 mm², 14mm long	200	157
47410		Ins. cable end-sleeve DIN 46228 part 4, 4 mm ² , 17mm long	100	157
47512		Ins. cable end-sleeve DIN 46228 part 4, 6 mm², 20mm long	100	157
47618		Ins. cable end-sleeve DIN 46228 part 4, 10 mm², 28mm long	100	157
47718		Ins. cable end-sleeve DIN 46228 part 4, 16 mm², 28mm long	50	157







SK 30/3 P Plastic assortment box with insulated cable end-sleeves and tools



Characteristics

■ Dimensions: 395x295x106 mm

Item			Part	No.
Assortmer	nt box fro	m plastic with Ins. cable end-sleeves and tools	SK30)3P
Scope of supply	Colour	Description	Quantity	Page
K432		Automatic wire stripping tool K43/2 0.02 - 10 mm ²	1	516
K303		Crimping tool for cable end-sleeves and twin cable end-sleeves 0.08 - 10 mm ²	1	229
4698		Ins. cable end-sleeve DIN 46228 part 4, 0.5 mm², 14mm long	400	157
4708		Ins. cable end-sleeve DIN 46228 part 4, 0.75 mm ² , 14mm long	400	157
4718		Ins. cable end-sleeve DIN 46228 part 4, 1 mm², 14mm long	400	157
4728		Ins. cable end-sleeve DIN 46228 part 4, 1.5 mm², 14mm long	400	157
4738		Ins. cable end-sleeve DIN 46228 part 4, 2.5 mm², 14mm long	200	157
47410		Ins. cable end-sleeve DIN 46228 part 4, 4 mm², 17mm long	200	157
47512		Ins. cable end-sleeve DIN 46228 part 4, 6 mm², 20mm long	100	157
47612		Ins. cable end-sleeve DIN 46228 part 4, 10 mm², 22mm long	100	157

SK 30/3 S Plastic assortment box with insulated cable end-sleeves and crimping tool



Characteristics

■ Dimensions: 275x230x83 mm

Item Assortmen	Item Assortment box from plastic with Ins. cable end-sleeves and crimping tool		Part SK30	
Scope of supply	Colour	Description	Quantity	Page
K303		Crimping tool for cable end-sleeves and twin cable end-sleeves 0.08 - $10\ mm^2$	1	229
4698		Ins. cable end-sleeve DIN 46228 part 4, 0.5 mm², 14mm long	100	157
4708		Ins. cable end-sleeve DIN 46228 part 4, 0.75 mm ² , 14mm long	100	157
4718		Ins. cable end-sleeve DIN 46228 part 4, 1 mm², 14mm long	100	157
4728		Ins. cable end-sleeve DIN 46228 part 4, 1.5 mm², 14mm long	100	157
4738		Ins. cable end-sleeve DIN 46228 part 4, 2.5 mm ² , 14mm long	50	157
47410		Ins. cable end-sleeve DIN 46228 part 4, 4 mm ² , 17mm long	50	157
47512		Ins. cable end-sleeve DIN 46228 part 4, 6 mm², 20mm long	30	157
47612		Ins. cable end-sleeve DIN 46228 part 4, 10 mm², 22mm long	30	157

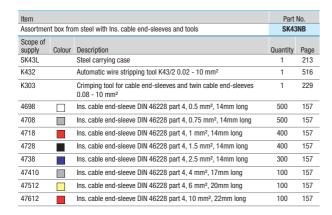


SK 43 NB Metal assortment box with insulated cable end-sleeves and tools

High-performance 4-edge crimping tool including wire stripping tool

Characteristics

■ Dimensions: 370x210x40 mm





MK 210 B Metal assortment box with insulated terminals and crimping tool

▶ Hammer-tone finished assortment box

Characteristics

■ Dimensions: 250x155x40 mm

Item Assortmer	nt box fro	m steel with Ins. cable connections and crimping tool	Part MK2	
Scope of supply	Colour	Description	Quantity	Page
MK210L		Steel carrying case	1	214
K10		Crimping tool for insulated cable connections 0.5 - 6 mm ²	1	232
620C4		Ins. solderless terminal M4 DIN 46237, 0.5-1 mm², fork-type	50	175
6305		Ins. solderless terminal M5 DIN 46237, PA insulated sleeve, 1.5-2.5 mm²	50	174
710		Ins. pin terminal DIN 46231, 1.5-2.5 mm², 23mm long	50	176
6505		Ins. solderless terminal M5 DIN 46237, PA insulated sleeve, 4-6 mm ²	25	174





MK 220 B Metal assortment box with insulated terminals and crimping tool



Hammer-tone finished assortment box

Characteristics

■ Dimensions: 370x160x40 mm

Item Assortmer	t box fro	m steel with Ins. cable connections and crimping tool	Part No. MK220B	
Scope of supply	Colour	Description	Quantity	Page
MK220L		Steel carrying case	1	214
K10		Crimping tool for insulated cable connections 0.5 - 6 mm ²	1	232
6205		Ins. solderless terminal M5 DIN 46237, PA insulated sleeve, 0.5-1 mm ²	50	174
6305		Ins. solderless terminal M5 DIN 46237, PA insulated sleeve, 1.5-2.5 mm ²	50	174
620C4		Ins. solderless terminal M4 DIN 46237, 0.5-1 mm², fork-type	50	175
630C4		Ins. solderless terminal M4 DIN 46237, 1.5-2.5 mm², fork-type	50	175
705		Ins. pin terminal DIN 46231, 0.5-1 mm², 22mm long	50	176
710		Ins. pin terminal DIN 46231, 1.5-2.5 mm², 23mm long	50	176
6505		Ins. solderless terminal M5 DIN 46237, PA insulated sleeve, 4-6 mm ²	25	174
715		Ins. pin terminal DIN 46231, 0.1-0.4 mm², 26mm long	25	176

MK 230 B 507 Metal assortment box with insulated terminals and crimping tool



▶ Hammer-tone finished assortment box

- Dimensions: 366x230x51 mm
- * = not standardized

Item			Part	No.
Assortmen	nt box fro	m steel with Ins. cable connections and crimping tool	MK230	B507
Scope of supply	Colour	Description	Quantity	Page
MK230L		Steel carrying case	1	214
K507		Crimping tool with interchangeable dies	1	258
6204		Ins. solderless terminal M4 DIN 46237, PA insulated sleeve, 0.5-1 mm ²	50	174
6205		Ins. solderless terminal M5 DIN 46237, PA insulated sleeve, 0.5-1 mm ²	50	174
*6206		Ins. solderless terminal M6, PA insulated sleeve, 0.5-1 mm²	50	174
6304		Ins. solderless terminal M4 DIN 46237, PA insulated sleeve, 1.5-2.5 mm ²	50	174
6305		Ins. solderless terminal M5 DIN 46237, PA insulated sleeve, 1.5-2.5 mm ²	50	174
6306		Ins. solderless terminal M6 DIN 46237, PA insulated sleeve, 1.5-2.5 mm ²	50	174
670		Ins. butt connector, 0.5-1 mm ²	50	183
680		Ins. butt connector, 1.5-2.5 mm ²	50	183
705		Ins. pin terminal DIN 46231, 0.5-1 mm², 22mm long	50	176
710		Ins. pin terminal DIN 46231, 1.5-2.5 mm², 23mm long	50	176
730		Ins. receptacle 6.3x0.8 mm DIN 46245 part 3, 1.5-2.5 mm ²	50	179
830		Ins. tab 6.3x0.8 mm, 1.5-2.5 mm ²	50	182
620C4		Ins. solderless terminal M4 DIN 46237, 0.5-1 mm², fork-type	50	175
630C4		Ins. solderless terminal M4 DIN 46237, 1.5-2.5 mm², fork-type	50	175
715		Ins. pin terminal DIN 46231, 0.1-0.4 mm², 26mm long	25	176
700		Ins. butt connector, 4-6 mm ²	25	183
6505		Ins. solderless terminal M5 DIN 46237, PA insulated sleeve, 4-6 mm ²	25	174
6506		Ins. solderless terminal M6 DIN 46237, PA insulated sleeve, 4-6 mm ²	25	174
650C6		Ins. solderless terminal M6 DIN 46237, 4-6 mm², fork-type	25	175





LBOXX 230 B - plastic - with standard equipment for electrical installation

Characteristics

■ Dimensions: 442x357x117 mm (W/D/H)

Item			Part	Mo
	stic with	standard equipment for electrical installation.	LBOXX	
Scope of supply	Colour	Description	Quantity	Page
K432		Automatic wire stripping tool K43/2 0.02 - 10 mm ²	1	516
K507		Crimping tool with interchangeable dies	1	258
720		Ins. receptacle 6.3x0.8 mm DIN 46245 part 3, 0.5-1 mm ²	50	179
730		Ins. receptacle 6.3x0.8 mm DIN 46245 part 3, 1.5-2.5 mm ²	50	179
820		Ins. tab 6.3x0.8 mm, 0.5-1 mm ²	50	182
830		Ins. tab 6.3x0.8 mm, 1.5-2.5 mm ²	50	182
6204		Ins. solderless terminal M4 DIN 46237, PA insulated sleeve, 0.5-1 mm²	50	174
6305		Ins. solderless terminal M5 DIN 46237, PA insulated sleeve, 1.5-2.5 mm ²	50	174
6506		Ins. solderless terminal M6 DIN 46237, PA insulated sleeve, 4-6 mm ²	50	174
670		Ins. butt connector, 0.5-1 mm ²	50	183
680		Ins. butt connector, 1.5-2.5 mm ²	50	183
700		Ins. butt connector, 4-6 mm ²	25	183
16505		Solderless terminals DIN 46234, 4-6 mm², M5, Cu tinned	50	88
16506		Solderless terminals, DIN 46234, 4-6 mm², M6, Cu tinned	50	88
1652C5		Solderless terminals, fork-type, 10 mm², M5, Cu-ETP tinned	50	92
1652C6		Solderless terminals, fork-type, 10 mm², M6, Cu-ETP tinned	50	92
4708		Ins. cable end-sleeve DIN 46228 part 4, 0.75 mm ² , 14mm long	400	157
4718		Ins. cable end-sleeve DIN 46228 part 4, 1 mm², 14mm long	400	157
4728		Ins. cable end-sleeve DIN 46228 part 4, 1.5 mm², 14mm long	400	157
4738		Ins. cable end-sleeve DIN 46228 part 4, 2.5 mm², 14mm long	200	157
47410		Ins. cable end-sleeve DIN 46228 part 4, 4 mm², 17mm long	100	157
47512		Ins. cable end-sleeve DIN 46228 part 4, 6 mm², 20mm long	100	157
47612		Ins. cable end-sleeve DIN 46228 part 4, 10 mm², 22mm long	100	157
LB0XX102LFG		L-BOXX with front handle (W/D/H: 442 x 357 x 117 mm)	1	







SK 82 P Plastic assortment box with insulated terminals and tools



Characteristics

■ Dimensions: 395x295x106 mm

Item			Part	No.
Assortmer	nt box fro	m plastic with insulated terminals and tools	SK8	2P
Scope of supply	Colour	Description	Quantity	Page
K432		Automatic wire stripping tool K43/2 0.02 - 10 mm ²	1	516
K82A		Crimping tool for insulated cable connections 0,5 - 6 mm ²	1	234
6204		Ins. solderless terminal M4 DIN 46237, PA insulated sleeve, 0.5-1 mm ²	50	174
6205		Ins. solderless terminal M5 DIN 46237, PA insulated sleeve, 0.5-1 mm ²	50	174
670		Ins. butt connector, 0.5-1 mm ²	50	183
720		Ins. receptacle 6.3x0.8 mm DIN 46245 part 3, 0.5-1 mm ²	50	179
6304		Ins. solderless terminal M4 DIN 46237, PA insulated sleeve, 1.5-2.5 mm ²	50	174
6305		Ins. solderless terminal M5 DIN 46237, PA insulated sleeve, 1.5-2.5 mm ²	50	174
680		Ins. butt connector, 1.5-2.5 mm ²	50	183
730		Ins. receptacle 6.3x0.8 mm DIN 46245 part 3, 1.5-2.5 mm ²	50	179
6505		Ins. solderless terminal M5 DIN 46237, PA insulated sleeve, 4-6 mm ²	20	174
6506		Ins. solderless terminal M6 DIN 46237, PA insulated sleeve, 4-6 mm ²	20	174
700		Ins. butt connector, 4-6 mm ²	20	183
715		Ins. pin terminal DIN 46231, 0.1-0.4 mm², 26mm long	20	176
620C4		Ins. solderless terminal M4 DIN 46237, 0.5-1 mm², fork-type	20	175
630C4		Ins. solderless terminal M4 DIN 46237, 1.5-2.5 mm², fork-type	20	175
705		Ins. pin terminal DIN 46231, 0.5-1 mm², 22mm long	20	176
710		Ins. pin terminal DIN 46231, 1.5-2.5 mm², 23mm long	20	176

SK 82 S Plastic assortment box with insulated terminals and tools



Item			Part	
Assortmen	it box fro	m plastic with insulated terminals and tools	SK8	25
Scope of supply	Colour	Description	Quantity	Page
K82A		Crimping tool for insulated cable connections 0,5 - 6 mm ²	1	234
6204		Ins. solderless terminal M4 DIN 46237, PA insulated sleeve, 0.5-1 mm ²	20	174
6205		Ins. solderless terminal M5 DIN 46237, PA insulated sleeve, 0.5-1 mm ²	20	174
670		Ins. butt connector, 0.5-1 mm ²	20	183
720		Ins. receptacle 6.3x0.8 mm DIN 46245 part 3, 0.5-1 mm ²	20	179
6304		Ins. solderless terminal M4 DIN 46237, PA insulated sleeve, 1.5-2.5 mm ²	20	174
680		Ins. butt connector, 1.5-2.5 mm ²	20	183
730		Ins. receptacle 6.3x0.8 mm DIN 46245 part 3, 1.5-2.5 mm ²	20	179
6305		Ins. solderless terminal M5 DIN 46237, PA insulated sleeve, 1.5-2.5 mm ²	20	174



SK 30 L Steel carrying case

Hammer-tone finished assortment box

Characteristics

- 4 small and 1 large additional compartments with lock
- For optional storage of crimping tools type K1, K4, K46 and K48
- Dimensions: 200x140x40 mm
- Weight: 1.2 kg

Item	Part No.	
Steel carrying case	SK30L	



SK 32 L Steel carrying case

▶ Hammer-tone finished assortment box

Characteristics

- 8 small and 1 large additional compartments with lock
- For optional storage of crimping tools type K3 and K35
- Dimensions: 285x155x45 mm
- Weight: 1.3 kg

Item	Part No.
Steel carrying case	SK32L



SK 4 L Steel carrying case

▶ Hammer-tone finished assortment box

Characteristics

- 6 small and 1 large additional compartments with lock
- For optional storage of crimping tools type K02, K2, K16, K25, K28 and K29
- Dimensions: 370x160x40 mm
- Weight: 1.4 kg

Item	Part No.
Steel carrying case	SK4L



SK 43 L Steel carrying case

▶ Hammer-tone finished assortment box

- 8 small and 2 large additional compartments with lock
- For storage of crimping tool K 32 and wire stripper K 41
- Dimensions: 370x210x40 mm
- Weight: 1.9 kg

Item	Part No.
Steel carrying case	SK43L





MK 55 Steel carrying case



Hammer-tone finished assortment box

Characteristics

- 8 small and 1 large additional compartments with lock
- For storage of 8 pairs of dies and crimping tool K50
- Dimensions: 245x130x37 mm
- Weight: 0.7 kg

Item	Part No.
Steel carrying case	MK55

MK 210 L Steel carrying case



Hammer-tone finished assortment box

Characteristics

- 4 small and 1 large additional compartments with lock
- For storage of crimping tools K 10 or K 82
- Dimensions: 250x155x40 mm
- Weight: 1.0 kg

Item	Part No.
Steel carrying case	MK210L

MK 220 L Steel carrying case



▶ Hammer-tone finished assortment box

Characteristics

- 8 small and 1 large additional compartments with lock
- For storage of crimping tools K 10 or K 82
- Dimensions: 370x160x40 mm
- Weight: 1.4 kg

Item	Part No.
Steel carrying case	MK220L

MK 230 L Steel carrying case



▶ Hammer-tone finished assortment box

- 19 small and 1 large additional compartments with lock and handle
- For storage of crimping tools K 10 or K 82
- Dimensions: 366x230x51 mm
- Weight: 2.4 kg

Item	Part No.
Steel carrying case	MK230L



SK 65 L Steel carrying case

Hammer-tone finished assortment box

Characteristics

- 12 small and 1 large additional compartments with lock and handle
- For optional storage of crimping tools type K 05, K 05 BC, K 35/4
- Dimensions: 400x250x50 mm
- Weight: 2.3 kg

Item	Part No.
Steel carrying case	SK65L



SK 120 L Steel carrying case

▶ Hammer-tone finished assortment box

Characteristics

- 8 small and 1 large additional compartments with lock and handle
- For optional storage of crimping tools type K 06, K 06 BC, K 08, K 09 and K 09 BC or cable cutters K 105/1
- Dimensions: 680x265x65 mm
- Weight: 4.7 kg

Item	Part No.
Steel carrying case	SK120L



MK 18 Steel carrying case

▶ Hammer-tone finished assortment box

- 34 small and 1 large additional compartments with lock and handle
- For storage of 34 pairs of dies and crimping tool K 18
- Dimensions: 605x300x50 mm
- Weight: 4.6 kg

Item	Part No.
Steel carrying case	MK18





MK 22 Steel carrying case



▶ Hammer-tone finished assortment box

Characteristics

- 17 small and 1 large additional compartments with lock and handle
- For storage of 17 pairs of dies and crimping tool K 22
- Dimensions: 600x220x65 mm
- Weight: 3.5 kg

Item	Part No.
Steel carrying case	MK22

KKPE Plastic case



Characteristics

- For storing complete crimping die sets
- With lock and handle

Item	Part No.
Plastic case for crimping dies of series 22	KKPE
Plastic case for crimping dies of series 4	KKPEH25

MK/KP 1 Plastic case



Characteristics

- For storage of crimping tools KP1 and KP1L and 10 crimping heads of the Klauke Pro Series
- With lock and handle
- Dimensions: 395x295x106 mm
- Weight: 1.0 kg

Item	Part No.	
Plastic case	MKKP1	

MKU Steel carrying case with wheels



▶ Hammer-tone finished assortment box

- With additional compartment for dies with lock and handle
- For storage of hydraulic crimping tools HK12/2, HK25/2 or HK45
- Dimensions: 810x310x210 mm
- Weight: 10.0 kg

Item	Part No.
Steel carrying case	MKU





TT2 Carrying bag

Characteristics

- For storage of all crimping and cutting heads (except SDK 105, SDK 120 and PK1000)
- Weight: 0.48 kg

Item	Part No.
Carrying bag	TT2



TT4 Carrying bag

- For storage of cutting heads SDK 105 and SDK 120
- Weight: 0.73 kg

Item	Part No.
Carrying bag	TT4





Product group index





Product group index

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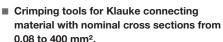


Powerful crimpingby hand.

Mechanical tools for crimping.

We all have overwhelming power - as long we have the right tool to hand.

The diversity of conductor types and connecting materials calls for numerous different standards for crimping tools. Klauke offers the right solution for all applications. All mechanical crimping tools are made from the highest quality materials, are rust-proof and surface-finished. The products are set apart by their extremely long service life. Unique precision and high quality material guarantee safe and, most important, long-lasting electrical connections. The tools' ergonomic handles and perfected drives optimise transmission of the hand force.



- Optimised profile forms for all applications.
- Precise drives for exact crimping results.
- Clear designation of the crimping profiles.



■ Precise crimping for all cross-sections.

- The use of high-grade steels and the annealing process that follows guarantee a long service life for the mechanical crimping tools.
- Power-optimized drive with integrated ratchet and pre-tension setting.
- ▶ Ergonomic handles, low weight, clear designation of the crimping profiles and telescopic handles for two-handed operation.

Benefits:

- Many years of low wear use.
- ▶ The integrated ratchet with pre-tension setting guarantees process safety and complete crimping results.
- Materials processed quickly and effortlessly.



Tools for cable end-sleeves: Which tool for which cable end-sleeve?

			Crir	nping pr	ofile		Des	sign	Dr	ive
Cross-section max. mm ²	Tool	\otimes		W	\Diamond	\bigcirc	Front crimping	Side crimping	10.68 mm	Force- supported
	K4	~						V	V	
2.5	K1		~					V	V	
	K48		~					V	V	
	K46	~						~	V	
	K36		~				V		V	
	K32		V				~			V
	K37		~					V		V
6	K38/2				V		~			V
	KP31/2*		~					V		V
	K38Ergo				~		~			V
	K50 ¹⁾		V					~		V
	KP35/1					~		~		V
	K30/3				V			~		V
10	KP30/3				V			~		V
	K507		~					V		V
	K3	~						V	V	
16	K34		V				~			V
10	KP30/4				V			~		V
	KP35/2					~		~		V
25	K39		~					~		V
35	K35	~						V	V	
	K27/1			~				V		V
	K28		~					V		V
	K35/4 ¹⁾		~					V		V
	K27/2			~				V		V
95	K29		~					V		V
	K18 ¹⁾		~	~				V		V
240	K22 ¹⁾		~	~				V		V



K 4 Crimping tool for cable end-sleeves 0.5 - 2.5 mm²



- Indent crimping for round clamp opening
- Spring-supported tool opening

Characteristics

- One crimp profile per cross-section
- Lateral insertion
- Exact cross-section assignment
- Ergonomic handles

Technical data			
Crimping range	0.5 - 2.5 mm ²		
Length	150 mm		
Weight	0.16 kg		
Item		Part No.	
Crimping tool for cable	end-sleeves 0.5 - 2.5 mm ²	K4	
Accessories		Part No.	Page
Steel carrying case		SK30L	213

K 46 Crimping tool for cable end-sleeves 1.5 - 6 mm²



- Indent crimping for round clamp opening
- Spring-supported tool opening

- One crimp profile per cross-section
- Lateral insertion
- Exact cross-section assignment
- Ergonomic handles

Crimping range	1.5 - 6 mm ²	
Length	150 mm	
Weight	0.16 kg	
Item		Part No.
Crimping tool for cable end-sleeves 1.5 - 6 mm ²		K46

Accessories	Part No.	Page
Steel carrying case	SK30L	213



K 3 Crimping tool for cable end-sleeves 0.5 - 16 mm²

- Indent crimping for round clamp opening
- With wire cutter

Characteristics

- One crimp profile per cross-section
- Lateral insertion
- Exact cross-section assignment
- Ergonomic handles

Technical data Crimping range	0.5 - 16 mm ²	
Length	230 mm	
Weight	0.24 kg	
Item		Part No.
Crimping tool for cable end-sleeves 0.5 - 16 mm ²		К3

Part No.

SK32L



K 35 Crimping tool for cable end-sleeves 10 - 35 mm²

- Indent crimping for round clamp opening
- For large cross-sections to 35 mm²

Characteristics

Accessories

Steel carrying case

- One crimp profile per cross-section
- Lateral insertion
- Exact cross-section assignment
- Ergonomic handles

Technical data			
Crimping range	10 - 35 mm ²		
Length	230 mm		
Weight	0.24 kg		
Item		Part No.	
Crimping tool for cable e	nd-sleeves 10 - 35 mm ²	K35	
Accessories		Part No.	Page
Steel carrying case		SK32L	213



K 1 Crimping tool for cable end-sleeves 0.14 - 2.5 mm²



- Trapezoid crimping suitable for box terminals
- ▶ Spring-supported tool opening
- With wire stripper and cutter

Characteristics

- One crimp profile per cross-section
- Lateral insertion
- Exact cross-section assignment
- Ergonomic handles
- Interchangeable stripping blades

Technical data		
Crimping range	0.14 - 2.5 mm ²	
Length	175 mm	
Weight	0.19 kg	
Item		Part No.
Crimping tool for cable en	K1	

Accessories	Part No.	Page
Steel carrying case	SK30L	213

K 48 Crimping tool for cable end-sleeves 0.14 - 2.5 mm²



Trapezoid crimping suitable for box terminalsSpring-supported tool opening

- One crimp profile per cross-section
- Lateral insertion
- Exact cross-section assignment
- Ergonomic handles

Technical data		
Crimping range	0.14 - 2.5 mm ²	
Length	150 mm	
Weight	0.16 kg	
Item		Part No.
Crimping tool for cable e	K48	

Accessories	Part No.	Page
Steel carrying case	SK30L	213



K 36 Crimping tool for cable end-sleeves and twin cable end-sleeves 0.5 - 6 mm²

- Two crimping profiles with the cross-section areas 0.5 2.5 mm² and
- ▶ Spring-supported tool opening

Characteristics

- Front insertion (front crimping)
- Ergonomic non-slip handles

Technical data		
Crimping range total	0.5 - 6 mm ²	
Cable end-sleeves	0.5 - 2.5 and 4 - 6 mm ²	
Twin cable end-sleeves	2x0.5 - 2x1.5 and 2x2.5 - 2x4 mm ²	2
Length	200 mm	
Weight	0.22 kg	
Item		Part No.
Crimping tool for cable end- 0.5 - 6 mm ²	sleeves and twin cable end-sleeves	K36

Accessories	Part No.	Page
Steel carrying case	SK32L	213



K 32 Crimping tool for cable end-sleeves and twin cable end-sleeves 0.14 - 6 mm²

- One crimping profile for cross-sections from 0.14 6 mm² due to automatic cross-section adjustment
- ▶ Trapezoid crimping suitable for box terminals
- > Spring-supported tool opening

- With ratchet for consistent crimp results
- Front insertion (front crimping)
- Ergonomic handles
- Non-slip handles

Technical data Crimping range total	0.14 - 6 mm ²	
Cable end-sleeves	0.14 - 6 mm ²	
Twin cable end-sleeves	2 x 0.5 - 2 x 2.5 mm ²	
Length	210 mm	
Weight	0.35 kg	
Item		Part No.
Crimping tool for cable end- 0.14 - 6 mm ²	sleeves and twin cable end-sleeves	K32

Accessories	Part No.	Page
Steel carrying case	SK43L	213





SK43L

213

Mechanical crimping tools

K 34 Crimping tool for cable end-sleeves and twin cable end-sleeves 6 - 16 mm²



- Trapezoid crimping suitable for box terminals
- Spring-supported tool opening
- One crimping profile for cross-sections from 6 16 mm² due to automatic cross-section adjustment

Characteristics

- With ratchet for consistent crimp results
- Front insertion (front crimping)
- Non-slip handles

Technical data		
Crimping range total	6 - 16 mm ²	
cable end-sleeves	6 - 16 mm²	
Twincable end-sleeves	2 x 4 - 2 x 6 mm ²	
Length	210 mm	
Weight	0.5 kg	
Item		Part No.
Crimping tool for cable end-	sleeves and twin cable end-sleeves	K34

6 - 16 mm ²	ona oloceco	NOT	
Accessories		Part No.	Page

K 37 Crimping tool for cable end-sleeves 0.14 - 6 mm²



- Trapezoid crimping suitable for box terminals
 Tool pre-tensioning adjustable
- Characteristics

Steel carrying case

- An adjusting disc balances the wear of the crimping tool
- One crimp profile per cross-section
- With ratchet for consistent crimp results
- Lateral insertion
- Exact cross-section assignment

Technical data Crimping range	0.14 - 6 mm ²		
Length	200 mm		
Weight	0.36 kg		
Item		Part No.	
Crimping tool for cable	end-sleeves 0.14 - 6 mm ²	K37	
Accessories		Part No.	Pag

Accessories	Part No.	Page
Steel carrying case	SK43L	213



K 39 Crimping tool for cable end-sleeves 10 - 25 mm²

- Trapezoid crimping suitable for box terminals
- Tool pre-tensioning adjustable

Characteristics

- An adjusting disc balances the wear of the crimping tool
- One crimp profile per cross-section
- With ratchet for consistent crimp results
- Lateral insertion

Steel carrying case

Exact cross-section assignment

Technical data			
Crimping range	10 - 25 mm ²		
Length	200 mm		
Weight	0.36 kg		
Item		Part No.	
Crimping tool for cable	end-sleeves 10 - 25 mm ²	K39	
Accessories		Part No.	Page



K 38/2 Crimping tool for cable end-sleeves and twin cable end-sleeves 0.5 - 6 mm²

213

SK43L

- Square crimping suitable for box terminals and spring clamp technology
- An adjusting disc balances the wear of the crimping tool
- One crimping profile for cross-sections from 0.5 6 mm² due to automatic cross-section adjustment

- Accurate drive
- With ratchet for consistent crimp results
- Front insertion (front crimping)

Crimping range total	0.5 - 6 mm ²	
Cable end-sleeves	0.5 - 6 mm ²	
Twin cable end-sleeves	2 x 0.5 - 2 x 2.5 mm ²	
Length	190 mm	
Weight	0.3 kg	
Item		Part No.
Crimping tool for cable end- 0.5 - 6 mm ²	sleeves and twin cable end-sleeves	K382

Accessories	Part No.	Page
Steel carrying case	SK43L	213





K 38 ERGO Crimping tool for cable end-sleeves and twin cable end-sleeves 0.25 - 6 mm²









- Square crimping suitable for box terminals and spring clamp technology
- Ergonomic design
- ▶ Low hand crimping force

- Precise drive with ratchet for consistent crimp results
- Front insertion (front crimping)
- Reduced space requirement for processing
- Automatic cross-section range adjustment from 0.25 6 mm²
- Max. length of cable end-sleeves to be crimped 18 mm, from 12 mm in two steps

Technical data		
Crimping range total	0.25 - 6 mm ²	
Cable end-sleeves	0.25 - 6 mm ²	
Twin cable end-sleeves	2 x 0.5 - 2 x 2.5 mm ²	
Length	160 mm	
Weight	0.4 kg	

Item	Part No.
Crimping tool for cable end-sleeves and twin cable end-sleeves 0.25 - 6 mm ²	K38ERG0



K 38 ERGO SET Plastic case with cable end-sleeves, twin cable end-sleeves and crimping tool

- Square crimping suitable for box terminals and spring clamp technology
- ▶ Ergonomic design
- Low hand crimping force
- Plastic tool case

Characteristics

- Accurate drive with ratchet
- Front insertion (front crimping)
- Reduced space requirement for processing
- Automatic cross-section range adjustment from 0.25 6 mm²
- Max. length of cable end-sleeves to be crimped 18 mm, from 12 mm in two steps

Technical data						
Crimping range total	0.25 - 6 mm ²	:				
Cable end-sleeves	0.25 - 6 mm ²					
Twin cable end-sleeves	2 x 0.5 – 2 x	2.5 mm ²				
Dimensions	235 x 180 x 5	i0 mm				
Length	160 mm					
Weight	0.740 kg					
Item				Pa	art No.	
Plastic case with cable end- crimping tool	sleeves, twin cable	end-slee	ves and	K38E	ERGOSET	
Scope of supply		Colour	Part N	0.	Quantity	Page
			1/0055	~~		

crimping tool				
Scope of supply	Colour	Part No.	Quantity	Page
Crimping tool for cable end-sleeves and twin cable end-sleeves 0.25 - 6 mm ²		K38ERG0	1	228
Ins. cable end-sleeve DIN 46228 part 4, 0.5 mm², 14mm long		4698	100	157
Ins. cable end-sleeve DIN 46228 part 4, 0.75 mm², 14mm long		4708	100	157
Ins. cable end-sleeve DIN 46228 part 4, 1 mm², 14mm long		4718	100	157
Ins. cable end-sleeve DIN 46228 part 4, 1.5 mm², 14mm long		4728	100	157





K 30/3 Crimping tool for cable end-sleeves and twin cable end-sleeves 0.08 - 10 mm²

> Square crimping suitable for box terminals and spring clamp technology

- One crimping profile for cross-sections from 0.08 10 mm² due to automatic cross-section adjustment
- With ratchet for consistent crimp results
- Lateral insertion
- Non-slip handles

Crimping range total	0.08 - 10 mm ²	
Cable end-sleeves	0.08 - 10 mm ²	
Twin cable end-sleeves	2 x 0.5 - 2 x 4 mm ²	
Length	190 mm	
Weight	0.3 kg	
Item		Part No.
Crimping tool for cable end- 0.08 - 10 mm²	sleeves and twin cable end-sleeves	K303

Accessories	Part No.	Page
Steel carrying case	SK30L	213





K 27/1 Crimping tool for cable end-sleeves and twin cable end-sleeves 4 - 50 mm²







- Special trapezoid crimping suitable for box terminals
- > Special type, especially suitable for fine stranded conductors

Characteristics

- One crimp profile per cross-section
- With ratchet for consistent crimp results
- Lateral insertion
- Exact cross-section assignment thanks to permanent marking on the crimping tool
- Non-slip handles

Technical data		
Crimping range total	2 x 4 - 50 mm ²	
Cable end-sleeves	10 - 50 mm²	
Twin cable end-sleeves	2 x 4 - 2 x 16 mm ²	
Length	335 mm	
Weight	0.8 kg	
Item		Part No.
Crimping tool for cable end-	sleeves and twin cable end-sleeves	K271

Item	Part No.
Crimping tool for cable end-sleeves and twin cable end-sleeves $2x4$ - $50\ mm^2$	K271
2 X 4 - 30 IIIIII-	

Accessories	Part No.	Page
Steel carrying case	SK4L	213

K 27/2 Crimping tool for cable end-sleeves 50 - 95 mm²







- Special trapezoid crimping suitable for box terminals
- Special type, especially suitable for fine stranded conductors
- ▶ For large cross-sections to 95 mm²

- One crimp profile per cross-section
- With ratchet for consistent crimp results
- Lateral insertion
- Exact cross-section assignment thanks to permanent marking on the crimping tool
- Non-slip handles

Technical data		
Crimping range	50 - 95 mm ²	
Length	335 mm	
Weight	0.8 kg	
Item		Part No.
Crimping tool for cable	end-sleeves 50 - 95 mm ²	K272

Accessories	Part No.	Page
Steel carrying case	SK4L	213



K 28 Crimping tool for cable end-sleeves and twin cable end-sleeves 4 - 50 mm²

SK4L

213

▶ Trapezoid crimping suitable for box terminals

Characteristics

- One crimp profile per cross-section
- With ratchet for consistent crimp results
- Lateral insertion
- Exact cross-section assignment thanks to permanent marking on the crimping tool
- Non-slip handles

Technical data			
Crimping range total	4-50 mm ²		
Cable end-sleeves	10-50 mm ²		
Twin cable end-sleeves	2 x 4-2 x 16 mm ²		
Length	335 mm		
Weight	0.8 kg		
Item		Part No.	
Crimping tool for cable end- 4 - 50 mm ²	sleeves and twin cable end-sleeves	K28	
Accessories		Part No.	Page



K 29 Crimping tool for cable end-sleeves 50 - 95 mm²

- Trapezoid crimping suitable for box terminals
- ▶ For large cross-sections to 95 mm²

Characteristics

Steel carrying case

- One crimp profile per cross-section
- With ratchet for consistent crimp results
- Lateral insertion
- Non-slip handles

Technical data			
Crimping range	50 - 95 mm ²		
Length	335 mm		
Weight	0.8 kg		
Item		Part No.	
Crimping tool for cable 6	end-sleeves 50 - 95 mm ²	K29	
Accessories		Part No.	Page
Steel carrying case		SK4L	213





K 10 Crimping tool for insulated cable connections 0.5 - 6 mm²







- Oval crimping
- To shorten screws M2.6 M6
- With wire stripper and cutter

Characteristics

- Stripping and crimping is done in two operations
- Wire stripping tool for cross-sections 0.5 6 mm²
- Colour-coded cross-section assignment

Technical data	
Crimping range total	0.5 - 6 mm ²
Red insulation sleeve	0.5 - 1.0 mm ²
Blue insulation sleeve	1.5 - 2.5 mm²
Yellow insulation sleeve	4.0 - 6.0 mm²
Length	210 mm
Weight	0.19 kg

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H	tem	Part No.	
(Crimping tool for insulated cable connections 0.5 - 6 mm ²	K10	

Accessories	Part No.	Page
Steel carrying case	MK210L	214

K 14 Crimping tool for insulated cable connections 0.5 - 6 mm²





- Oval crimping
- Spring-supported tool opening
- With wire stripper and cutter

- Additional three-stage positioning
- Colour-coded cross-section assignment
- Adjustable tool pre-tensioning

Technical data		
Crimping range total	0.5 - 6 mm ²	
Red insulation sleeve	0.5 - 1.0 mm ²	
Blue insulation sleeve	1.5 - 2.5 mm ²	
Yellow insulation sleeve	4.0 - 6.0 mm ²	
Length	215 mm	
Weight	0.5 kg	
Ham		Dort No.

Item	Part No.	
Crimping tool for insulated cable connections 0.5 - 6 mm ²	K14	

Accessories	Part No.	Page
Steel carrying case	MK210L	214



K 80 Presswerkzeug für isolierte Kabelverbindungen 0,1 - 1 mm²

- Crimping of conductor and insulation in one step
- An adjusting disc balances the wear of the crimping tool

Characteristics

- Accurate drive
- With ratchet for consistent crimp results
- Colour-coded cross-section assignment
- Non-slip handles

Technical data		
Crimping range total	0.1 - 1 mm ²	
Red insulation sleeve	0.5 - 1.0 mm ²	
Yellow insulation sleeve	0.1 - 0.4 mm ²	
Length	195 mm	
Weight	0.38 kg	
Item		Part No.
Crimping tool for insulated of	cable connections 0.1 - 1 mm ²	K80

Accessories	Part No.	Page
Steel carrying case	SK43L	213



K 81 Crimping tool for insulated cable connections 0.5 - 2.5 mm²

- > Crimping of conductor and insulation in one step
- An adjusting disc balances the wear of the crimping tool

- Double crimping, oval shape
- Accurate drive
- With ratchet for consistent crimp results
- Colour-coded cross-section assignment

Technical data		
Crimping range total	0.5 - 2.5 mm ²	
Red insulation sleeve	0.5 - 1.0 mm ²	
Blue insulation sleeve	1.5 - 2.5 mm²	
Length	195 mm	
Weight	0.38 kg	
Item		Part No.
Crimping tool for insulated	cable connections 0.5 - 2.5 mm ²	K81

Accessories	Part No.	Page
Steel carrying case	SK43L	213





K 82 Crimping tool for insulated cable connections 0.5 - 6 mm²





- 33% less effort 3-component handle
 - Highest material quality for a long service life
 - Precise pre-tension setting for the maintenance of a constant crimping performance

Characteristics

- Less effort required due to a new mechanical lever system
- 3-component handles. Yellow: a hard core for perfect power transmission. Blue: soft ergonomic handle surface. Grey: super soft non-slip handles.
- Easy handling due to the reduced opening width of the tool, optimal ergonomic due to the position of the palms and fingers, which is gentle to the joints.
- Crimping of conductor and insulation in one step

Technical data	0.5 - 6.0 mm ²
Crimping range total	0.5 - 6.0 IIIII ²
Red insulation sleeve	0.5 - 1.0 mm ²
Blue insulation sleeve	1.5 - 2.5 mm²
Yellow insulation sleeve	4.0 - 6.0 mm ²
Length	225 mm
Weight	0.53 kg

Item	Part No.	
Crimping tool for insulated cable connections 0.5 - 6 mm ²	K82A	

Accessories	Part No.	Page
Steel carrying case	MK230L	214

K 16 Crimping tool for insulated solderless terminals 10 + 16 mm²







- Oval crimping
- Crimping tool even for meter connections

- With ratchet for consistent crimp results
- Colour-coded cross-section assignment

Crimping range total	10 + 16 mm ²	
Red insulation sleeve	10 mm²	
Blue insulation sleeve	16 mm²	
Length	305 mm	
Weight	0.61 kg	
Item		Part No.
Crimping tool for insulated	solderless terminals 10 + 16 mm ²	K16

Accessories	Part No.	Page
Steel carrying case	SK4L	213



K 60 Crimping tool for non-insulated tabs and receptacles 0.5 - 6 mm²

- Roll-crimping
- To shorten screws M2.5 M6

Characteristics

- Crimping of conductor and insulation in two steps
- With wire stripper and cutter for cross-sections 0.75 6 mm²
- For 2.8 and 4.8 and 6.3 mm tab widths

Technical data			
Crimping range	0.5 - 6 mm ²		
Length	225 mm		
Weight	0.2 kg		
Item		Part No.	
Crimping tool for non-in	sulated tabs and receptacles 0.5 - 6 mm ²	K60	
Accessories		Part No.	Page
Steel carrying case		MK210I	214



K 57/2 Crimping tool for non-insulated tabs and receptacles 2.8 mm; 0.1 - 1 mm²

- ▶ Roll-crimping
- ▶ Crimping of conductor and insulation in one step
- ▶ Spring-supported tool opening
- ▶ Tool pre-tensioning adjustable

- With ratchet for consistent crimp results
- Exact cross-section assignment thanks to permanent marking on the crimping tool
- An adjusting disc balances the wear of the crimping tool
- For tabs and receptacles, tab width 2.8 mm

Technical data		
Crimping range	0.1-1 mm ²	
Length	220 mm	
Weight	0.55 kg	
Item		Part No.
	sulated tabs and receptacles 2.8 mm;	K572
0.1 - 1 mm ²		





K 58/2 Crimping tool for non-insulated tabs and receptacles 4.8 mm; 0.5 - 2.5 mm²





- Roll-crimping
 - Crimping of conductor and insulation in one step
 - Tool pre-tensioning adjustable

Characteristics

- Spring-supported tool opening
- With ratchet for consistent crimp results
- Exact cross-section assignment thanks to permanent marking on the crimping tool
- An adjusting disc balances the wear of the crimping tool
- For tabs and receptacles, tab width 4.8 mm

Technical data		
Crimping range	0.5 - 2.5 mm ²	
Length	220 mm	
Weight	0.55 kg	
ltom		Dort No.

Item	Part No.
Crimping tool for non-insulated tabs and receptacles 4.8 mm; 0.5 - 2.5 mm²	K582

K 59/2 Crimping tool for non-insulated tabs and receptacles 6.3 mm; 0.5 - 6 mm²







- Roll-crimping
- Crimping of conductor and insulation in one step
- ▶ Tool pre-tensioning adjustable

- With ratchet for consistent crimp results
- Exact cross-section assignment thanks to permanent marking on the crimping tool
- Spring-supported tool opening
- An adjusting disc balances the wear of the crimping tool
- For tabs and receptacles, tab width 6.3 mm

Technical data		
Crimping range	0.5 - 6 mm ²	
Length	220 mm	
Weight	0.51 kg	
Item		Part No.
Crimping tool for non-in: 0.5 - 6 mm ²	sulated tabs and receptacles 6.3 mm;	K592



K 67 Crimping tool for non-insulated tabs and receptacles 2.8 mm; 0.1 - 1 mm²

- ▶ Roll-crimping
- ▶ Crimping of conductor and insulation in one step
- > Spring-supported tool opening

Characteristics

- With ratchet for consistent crimp results
- Parallel guided crimping jaws
- For tabs and receptacles, tab width 2.8 mm

Technical data			
Crimping range	0.1 - 1 mm ²		
Length	210 mm		
Weight	0.5 kg		
Item		Part No.	
Crimping tool for non-in 0.1 - 1 mm ²	sulated tabs and receptacles 2.8 mm;	K67	
Accessories		Part No.	Page
Steel carrying case		MK210L	214



K 65 Crimping tool for non-insulated tabs and receptacles 4.8 mm; 0.5 - 2.5 mm²

- ▶ Roll-crimping
- ▶ Crimping of conductor and insulation in one step
- > Spring-supported tool opening

- With ratchet for consistent crimp results
- Parallel guided crimping jaws
- For tabs and receptacles, tab width 4.8 mm

Technical data			
Crimping range	0.5 - 2.5 mm ²		
Length	265 mm		
Weight	0.6 kg		
Item		Part No.	
Crimping tool for non-in 0.5 - 2.5 mm ²	sulated tabs and receptacles 4.8 mm;	K65	
Accessories		Part No.	Page
Steel carrying case		MK210L	214





K 63 Crimping tool for non-insulated tabs and receptacles 6.3 mm; 0.5 - 2.5 mm² with lateral conductor connector



- Roll-crimping
- Crimping of conductor and insulation in one step

Characteristics

- With ratchet for consistent crimp results
- Excellent leverage
- Parallel guided crimping jaws
- For tabs and receptacles, tab width 6.3 mm

Crimping range	0.5 - 2.5 mm ²	
Length	265 mm	
Weight	0.6 kg	
Item		Part No.
Crimping tool for non-in: 0.5 - 2.5 mm ² with later	sulated tabs and receptacles 6.3 mm; al conductor connector	K63

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K 64 Crimping tool for non-insulated tabs and receptacles 6.3 mm; 0.5 - 1.5 mm² with lateral conductor connector



- Roll-crimping
- Crimping of conductor and insulation in one step

- With ratchet for consistent crimp results
- Excellent leverage
- Parallel guided crimping jaws
- For tabs and receptacles, tab width 6.3 mm

Technical data		
Crimping range	0.5 - 1.5 mm ²	
Length	265 mm	
Weight	0.6 kg	
Item		Part No.
Crimping tool for non-inst 0.5 - 1.5 mm² with latera	ulated tabs and receptacles 6.3 mm; Il conductor connector	K64



K 68 Crimping tool for non-insulated tabs and receptacles 6.3 mm; 0.5 - 2.5 mm²

- Roll-crimping
- Crimping of conductor and insulation in one step
- > Spring-supported tool opening

Characteristics

- With ratchet for consistent crimp results
- Parallel guided crimping jaws
- For tabs and receptacles, tab width 6.3 mm

Technical data		
Crimping range	0.5 - 2.5 mm ²	
Length	265 mm	
Weight	0.6 kg	
Item		Part No.
Crimping tool for non-insulated width 0.5 - 2.5 mm ²	tabs and receptacles 6.3 mm tab	K68



K 93 Crimping tool for connectors for solid conductors 1.5 - 4 mm²

- Hexagonal crimping
- ▶ Tool pre-tensioning adjustable

- Accurate drive
- With ratchet for consistent crimp results
- Exact cross-section assignment thanks to permanent marking on the crimping tool
- Non-slip handles
- An adjusting disc balances the wear of the crimping tool

Technical data		
Crimping range	1.5 - 4 mm ²	
Length	220 mm	
Weight	0.56 kg	
Item		Part No.
Crimping tool for conne	ectors for solid conductors 1.5 - 4 mm ²	K93





K 94 Crimping tool for tubular cable lugs and connectors for solid conductors 6 - 10 mm²





Tool pre-tensioning adjustable

Characteristics

- Accurate drive
- With ratchet for consistent crimp results
- Exact cross-section assignment thanks to permanent marking on the crimping tool

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- Non-slip handles
- An adjusting disc balances the wear of the crimping tool

Technical data		
Crimping range	6 - 10 mm²	
Length	220 mm	
Weight	0.56 kg	
Item		Part No.
Crimping tool for tubular c conductors 6 - 10 mm ²	able lugs and connectors for solid	К94

K 13 Crimping tool 0.5 - 6 mm²











Indent crimping

- To shorten screws M2.6 M6
- With wire stripper and cutter

Characteristics

For tubular cable lugs and connectors standard type, as well as solderless terminals DIN 46234 and pin terminals DIN 46230

Technical data			
Crimping range	0.5 - 6 mm ²		
Length	210 mm		
Weight	0.23 kg		
Item		Part No.	
Crimping tool 0.5 - 6 mi	m²	K13	
Accessories		Part No.	Page

Accessories	Part No.	Page
Steel carrying case	MK210L	214



K 2 Crimping tool for tubular cable lugs and connectors, standard type, 0.75 - 16 mm²

- Indent crimping
- Ideal crimping tool with spring supported tool opening

Characteristics

- With ratchet for consistent crimp results
- Exact cross-section assignment thanks to permanent marking on the crimping tool

Technical data			
Crimping range	0.75 - 16 mm ²		
Length	325 mm		
Weight	0.6 kg		
Item		Part No.	
Crimping tool for tubuls standard type 0.75 - 1	ar cable lugs and connectors, 6 mm²	K2	
Accessories		Part No.	Page
Steel carrying case		SK4L	213



K 02 Crimping tool for tubular cable lugs and connectors for solid conductors 0.75 - 16 mm²

SK4L

213

- Indent crimping
- Ideal crimping tool with spring supported tool opening
- ▶ For tubular cable lugs and connectors for solid conductors

Characteristics

Steel carrying case

- With ratchet for consistent crimp results
- Exact cross-section assignment thanks to permanent marking on the crimping tool

Crimping range	0.75 - 16 mm ²		
Length	325 mm		
Weight	0.6 kg		
Item		Part No.	
Crimping tool for tube conductors 0.75 - 16	ular cable lugs and connectors for solid mm²	K02	
Accessories		Part No.	





K 25 Crimping tool 0.5 - 16 mm²









Indent crimping

- Ideal crimping tool with spring supported tool opening
- For solderless terminals DIN 46234, pin terminals DIN 46230
- ▶ For nickel and stainless steel tubular cable lugs and connectors to 6 mm²

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Characteristics

- With ratchet for consistent crimp results
- Exact cross-section assignment thanks to permanent marking on the crimping tool

Technical data			
Crimping range	0.5 - 16 mm ²		
Length	325 mm		
Weight	0.6 kg		
Item		Part No.	
Crimping tool 0.5 - 16 m	nm²	K25	
Accessories		Part No.	Page

K 95 Crimping tool 16 - 95 mm²



Indent crimping

Steel carrying case

- For tubular cable lugs and connectors, standard type
- For tubular cable lugs and connectors for fine stranded conductors
- For solderless terminals DIN 46234, pin terminals DIN 46230
- With revolving dies
- Excellent leverage

Technical data		
Crimping range	16 - 95 mm ²	
Length	630 mm	
Weight	3.6 kg	
Item		Part No.
Crimping tool 16 - 95 mm ²		K95



TK 95 Crimping tool 16 - 95 mm² for workbench mounting

- Indent crimping
- Ideal tool for work bench mounting

Characteristics

- For tubular cable lugs and connectors, standard type
- For tubular cable lugs and connectors for fine stranded conductors
- For solderless terminals DIN 46234, pin terminals DIN 46230
- With revolving dies
- Excellent leverage

Technical data		
Crimping range	16 - 95 mm ²	
Length	700 mm	
Weight	3.9 kg	
Item		Part No.
Crimping tool 16 - 95 mm ² for workbench mounting		TK95



K 5 / K 5 SP Crimping tools 6 - 50 mm²

- **▶** Indent crimping
- ▶ Version with ratchet for consistent crimp results
- ▶ Low maintenance mechanical drive

- For tubular cable lugs and connectors, standard type
- For tubular cable lugs and connectors for fine stranded conductors
- With revolving dies
- Exact cross-section designation on the dies

Crimping tool with ratchet 6 - 50 mm ²		K5SP
Crimping tool 6 - 50 mm ²		K5
Item		Part No.
Weight	2.4 kg	
Length	600 mm	
Crimping range	6 - 50 mm ²	
lechnical data		





K 6 / K 6 SP Crimping tools 50 - 120 mm²



- Indent crimping
- Version with ratchet for consistent crimp results
- ▶ Low maintenance mechanical drive

Characteristics

- For tubular cable lugs and connectors, standard type
- For tubular cable lugs and connectors for fine stranded conductors
- With revolving dies
- Exact cross-section designation on the dies
- Telescopic lever handles

Technical data		
Crimping range	50 - 120 mm ²	
Length	970 mm	
Weight	4.4 kg	
Item		Part No.
Crimping tool 50 - 120 r	mm²	К6
Crimping tool with ratch	ot 50 120 mm²	USSD

K 07 / K 07 SP Crimping tools 185 - 400 mm²



- Indent crimping
- Extremely wide cross section range up to 400 mm²
- Version with ratchet for consistent crimp results
- ▶ Low maintenance mechanical drive

- For tubular cable lugs and connectors, standard type
- For tubular cable lugs and connectors for fine stranded conductors
- With revolving dies
- Exact cross-section designation on the dies
- Telescopic lever handles

Technical data		
Crimping range	185 - 400 mm²	
Length	975 mm	
Weight	4.7 kg	

•	•	
Item		Part No.
Crimping tool 185 - 400 mm ²		К07
Crimping tool with ratchet 185 - 400	mm²	K07SP



K 7 / K 7 SP Crimping tools 120 - 240 mm²

- ▶ Indent crimping
- Large cross section range up to 240 mm²
- Version with ratchet for consistent crimp results
- ▶ Low maintenance mechanical drive

Characteristics

- For tubular cable lugs and connectors, standard type
- For tubular cable lugs and connectors for fine stranded conductors
- With revolving dies
- Exact cross-section designation on the dies
- Telescopic lever handles

Technical data		
Crimping range	120 - 240 mm ²	
Length	975 mm	
Weight	4.6 kg	
Item		Part No.
Crimping tool 120 - 240	mm²	К7
Crimping tool 120 - 240	mm², with ratchet	K7SP



K 8 / K 8 SP Crimping tools 35 - 95 mm²

- Indent crimping
- ▶ Version with ratchet for consistent crimp results
- ▶ Low maintenance mechanical drive

- For tubular cable lugs and connectors, standard type
- For tubular cable lugs and connectors for fine stranded conductors
- With revolving dies
- Exact cross-section designation on the dies
- Telescopic lever handles

Technical data		
Crimping range	35 - 95 mm ²	
Length	970 mm	
Weight	4.4 kg	
Item		Part No.
Crimping tool 35 - 95 m	nm²	К8
Crimping tool with ratch	net 35 - 95 mm²	KSSP





K 04 Crimping tool for tubular cable lugs and connectors, standard type, 10 - 25 mm²





- Hexagonal crimping
- ▶ Tool pre-tensioning adjustable
- Large cross-section range up to 25 mm²

Characteristics

- Energy-efficient ergonomic drive
- With ratchet for consistent crimp results
- Exact cross-section assignment thanks to permanent marking on the crimping tool
- An adjusting disc balances the wear of the crimping tool

Technical data		
Crimping range	10 - 25 mm ²	
Length	260 mm	
Weight	0.56 kg	
Item		Part No.
Crimping tool for tubular standard type 10 - 25 m	r cable lugs and connectors, im²	К04

K 05 BC Crimping tool for tubular cable lugs and connectors blue connection® 6 - 50 mm²





- Accurate assignment of crimping tool/crimping die through colour-coding system
- For compacted conductors to VDE 0295 class 2
- ▶ Effort-saving and low maintenance mechanical drive

- Hexagonal crimping
- $\hfill \blacksquare$ Exact cross-section assignment thanks to permanent marking on the dies

Crimping range	6 - 50 mm ²	
Length	390 mm	
Weight	1.1 kg	
Item		Part No.
Crimping tool for tubular blue connection® 6 - 50	r cable lugs and connectors, D mm²	K05BC

Accessories	Part No.	Page
Steel carrying case	SK65L	215

K 05 / K 05 SP Crimping tools for tubular cable lugs and connectors, standard type, 6 - 50 mm²

- Hexagonal crimping
- Effort-saving and low maintenance mechanical drive
- Version with ratchet for consistent crimp results

Characteristics

- With revolving dies
- Exact cross-section assignment thanks to permanent marking on the dies

Technical data		
Crimping range	6 - 50 mm ²	
Length	390 mm	
Weight	1.1 kg	
Item		Part No.
Crimping tool for tubular of standard type 6 - 50 mm ²	able lugs and connectors,	K05
Crimping tool with ratchet standard type 6-50 mm ²	for tubular cable lugs and connectors,	K05SP

Accessories	Part No.	Page
Steel carrying case	SK65L	215



K 05 D / K 05 D SP Crimping tools for DIN compression cable lugs and connectors 6 - 50 mm²

- Hexagonal crimping
- ▶ Effort-saving and low maintenance mechanical drive
- Version with ratchet for consistent crimp results

- With revolving dies
- Exact cross-section assignment thanks to permanent marking on the dies

Crimping range	6 - 50 mm ²	
Length	390 mm	
Weight	1.1 kg	
ltem		Part No.
Crimping tool for comp (DIN 46235 / DIN 4626	ression cable lugs and connectors 7 part 1) 6 - 50 mm ²	K05D
	het for compression cable lugs and / DIN 46267 part 1) 6-50 mm ²	K05DSP

Accessories	Part No.	Page
Steel carrying case	SK65L	215





K 08 / K 08 SP Crimping tools for tubular cable lugs and connectors, standard type, 16 - 95 mm²





- Effort-saving and low maintenance mechanical drive
- Version with ratchet for consistent crimp results

Characteristics

- With revolving dies
- Exact cross-section assignment thanks to permanent marking on the dies

Technical data		
Crimping range	16 - 95 mm ²	
Length	530 mm	
Weight	1.8 kg	
Item		Part No.
Crimping tool for tubular cable le standard type 16 - 95 mm ²	ugs and connectors,	K08
Crimping tool with ratchet for tu standard type 16-95 mm ²	bular cable lugs and connectors,	K08SP

Accessories	Part No.	Page
Steel carrying case	SK120L	215

K 08 D / K 08 D SP Crimping tools for DIN compression cable lugs and connectors 16 - 95 mm²





- ▶ Effort-saving and low maintenance mechanical drive
- Version with ratchet for consistent crimp results

- With revolving dies
- Exact cross-section assignment thanks to permanent marking on the dies

Technical data		
Crimping range	16 - 95 mm²	
Length	530 mm	
Weight	1.8 kg	
Item		Part No.
Crimping tool for compression of (DIN 46235 / DIN 46267 part 1)		K08D
Crimping tool with ratchet for co connectors (DIN 46235 / DIN 46		K08DSP

Accessories	Part No.	Page
Steel carrying case	SK120L	215



K 06 BC Crimping tool for tubular cable lugs and connectors blue connection® 10 - 120 mm²

- Accurate assignment of crimping tool/crimping die through colour-coding system
- For compacted conductors to VDE 0295 class 2
- ▶ Effort-saving and low maintenance mechanical drive

Characteristics

- Hexagonal crimping
- Exact cross-section assignment thanks to permanent marking on the dies

Technical data				
Crimping range	10 - 120 mm ²			
Length	650 mm			
Weight	2.9 kg			
Item		Part	No.	
Crimping tool for tubula blue connection® 10 -	r cable lugs and connectors, 120 mm²	KO	BC	
Accessories		Part	No.	Page
Steel carrying case		SK1	20L	215



K 06 / K 06 SP Crimping tools for tubular cable lugs and connectors, standard type, 10 - 120 mm²

- Hexagonal crimping
- ▶ Effort-saving and low maintenance mechanical drive
- Version with ratchet for consistent crimp results

- With revolving dies
- Exact cross-section assignment thanks to permanent marking on the dies

Crimping range	10 - 120 mm ²	
Length	650 mm	
Weight	2.9 kg	
Item		Part No.
Crimping tool for tubul standard type 10-120	ar cable lugs and connectors, mm²	K06
Crimping tool with rate standard type 10-120	chet for tubular cable lugs and connectors,	K06SP

Accessories	Part No.	Page
Steel carrying case	SK120L	215



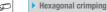


K06DSP

Mechanical crimping tools

K 06 D / K 06 D SP Crimping tools for DIN compression cable lugs and connectors 10 - 120 mm²





- ▶ Effort-saving and low maintenance mechanical drive
- Version with ratchet for consistent crimp results

Characteristics

- With revolving dies
- Exact cross-section assignment thanks to permanent marking on the dies

Technical data		
Crimping range	10 - 120 mm²	
Length	650 mm	
Weight	2.9 kg	
Item		Part No.
	ression cable lugs and connectors	K06D
(DIN 46235 / DIN 4626)	7 nart 1) 10 - 120 mm ²	

Accessories	Part No.	Page
Steel carrying case	SK120L	215

K 09 BC Crimping tool for tubular cable lugs and connectors blue connection® 25 - 150 mm²





- Large cross section range up to 150 mm²
- ▶ For compacted conductors to VDE 0295 class 2

Crimping tool with ratchet for compression cable lugs and

connectors (DIN 46235 / DIN 46267 part 1) 10-120 mm²

► Effort-saving and low maintenance mechanical drive

- Hexagonal crimping
- Exact cross-section assignment thanks to permanent marking on the dies

Technical data		
Crimping range	25 - 150 mm²	
Length	650 mm	
Weight	2.9 kg	
Item		Part No.
Crimping tool for tubular	r cable lugs and connectors, 50 mm ²	K09BC

Accessories	Part No.	Page
Steel carrying case	SK120L	215



K 09 / K 09 SP Crimping tools for tubular cable lugs and connectors, standard type, 25 - 150 mm²

- Hexagonal crimping
- Large cross section range up to 150 mm²
- Effort-saving and low maintenance mechanical drive
- Version with ratchet for consistent crimp results

Characteristics

- With revolving dies
- Exact cross-section assignment thanks to permanent marking on the dies

Crimping range	25 - 150 mm ²		
Length	650 mm		
Weight	2.9 kg		
Item		Part No.	
Crimping tool for tub 25-150 mm ²	ular cable lugs and connectors, standard type	K09	
Crimping tool with ra	tchet for tubular cable lugs and connectors,	K09SP	



K 09 D / K 09 D SP Crimping tools for DIN compression cable lugs and connectors 25 - 150 mm²

215

SK120L

Hexagonal crimping

Steel carrying case

- ▶ Large cross section range up to 150 mm²
- ▶ Effort-saving and low maintenance mechanical drive
- Version with ratchet for consistent crimp results

- With revolving dies
- Exact cross-section assignment thanks to permanent marking on the dies

25 - 150 mm ²		
650 mm		
2.9 kg		
	Part No.	
Crimping tool for compression cable lugs and connectors (DIN 46235 / DIN 46267 part 1) 25 - 150 mm ²		
Crimping tool with ratchet for compression cable lugs and connectors (DIN 46235 / DIN 46267 part 1) 25-150 mm ²		
	650 mm 2.9 kg cable lugs and connectors (DIN - 150 mm² compression cable lugs and connec-	

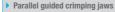
Accessories	Part No.	Page
Steel carrying case	SK120L	215





K 511 / K 512 Crimping tools for gas-tight connections





Suitable for gas-tight connections

Characteristics

- Non-insulated tubular cable lugs, ring and fork type
- Parallel and butt connectors
- Optimised force transmission
- With ratchet for consistent crimp results
- Non-slip handles

recnnical data			
Length	270 mm		
Weight	0.7 kg		
Item		Crimping range mm ²	Part No.
Mechanical crimping tool 1 - 4 mm ²		1-4	K511
Mechanical crimping tool 6 + 10 mm ²		6+10	K512

KlauKe®

DN-K 74/2 Mechanical crimping tool for BNC connectors and coax cables





Tool pre-tensioning adjustable

- With ratchet for consistent crimp results
- An adjusting disc balances the wear of the crimping tool
- Suitable for: Coax cable RG 58, RG 59, RG 62 and RG 71

Technical data		
Length	220 mm	
Weight	0.560 kg	
Item		Part No.
Mechanical crimping tool for BN coax cable RG 58, RG 59, RG 62		DNK742



K 90 MC3 2 Crimping tool for multi-contact plug connectors MC3, 2.5 - 6 mm²

- Parallel guided crimping jaws
- Includes positioning facility to protect against incorrect crimps

Characteristics

- Accurate drive
- With ratchet for consistent crimp results
- Optimised force transmission
- Non-slip handles

Technical data		
Crimping range	2.5 - 6 mm ²	
Length	270 mm	
Weight	0.735 kg	
Item		Part No.
Mechanical crimping too 2.5 - 6 mm ²	I for Multi-Contact-Plug-in system MC3,	K90MC32



K90 MC4 1 Crimping tool for multi-contact plug connectors MC4, 1.5 - 4 mm²

- ▶ Parallel guided crimping jaws
- Includes positioning facility to protect against incorrect crimps



- Accurate drive
- With ratchet for consistent crimp results
- Optimised force transmission
- Non-slip handles

Technical data		
Crimping range	1.5 - 4 mm ²	
Length	270 mm	
Weight	0.735 kg	
Item		Part No.
Mechanical crimping too 1.5 - 4 mm ²	I for Multi-Contact-Plug-in system MC4,	K90MC41





K90 MC4 2 Crimping tool for multi-contact plug connectors MC4, 2.5 - 6 mm²





- Parallel guided crimping jaws
- Includes positioning facility to protect against incorrect crimps

- Accurate drive
- With ratchet for consistent crimp results
- Optimised force transmission
- Non-slip handles

Technical data		
Crimping range	2.5 - 6 mm ²	
Length	270 mm	
Weight	0.735 kg	
Item		Part No.
Mechanical crimping tool for N 2.5 - 6 mm ²	Multi-Contact-Plug-in system MC4,	K90MC42



K907 MC SET Case with crimping tool for multi-contact plug connectors and photovoltaic stripper

- ▶ Roll-crimping
- > Spring supported tool opening
- Adjustable tool pretension
- An adjusting disc balances the wear of the crimping tool

- Includes positioning facility to protect against incorrect crimps
- Precise drive with ratchet for consistent crimp results
- Complete set in plastic case
- Optimised force transmission
- Precise and simple stripping options
- Crimping dies with easy-to-replace fixing pins

Technical data			
Crimping range	1.5-6 mm ²		
Multi-contact-Plug-in system:	MC4: 1.5 - 6 mm ²		
Dimensions	235 x 180 x 50 mm		
Total weight	900 g		
Item		Part No.	
Case with crimping tool for multi photovoltaic stripper	ti-contact plug connectors and	K907MCSET	
Scope of supply		Part No.	Page
Mechanical crimping tool for Mu 1.5 - 6 mm ²	ulti-Contact-Plug-in system MC4,		
Crimping dies MC4 1.5, 2.5 mm	2		
Crimping dies MC4 4, 6 mm ²			
Positionier MC4 contacts			











KP 1 / KP 1 L Mechanical basic tools of the Klauke Pro-Series



- ▶ Easy change of crimping head without tools
- ▶ Compatible with all crimping heads of the Klauke Pro-Series

- Standardised mounting of crimping heads
- With ratchet for consistent crimp results

Item	Weight kg	Part No.	
Basic tool from the Klauke Pro-Series, length 151 mm	0.2	KP1	
Basic tool from the Klauke Pro-Series, length 207 mm	0.3	KP1L	

Accessories	Part No.	Page
Plastic case	MKKP1	216

	Suitable for	Crimping range mm ²	Crimp profile	Part No.
Crimping head	ls for cable end-sleeves			
	Cable end-sleeves, trapezoid crimping	0.14 - 6		KP 312
	Cable end-sleeves, square pressing	0.08 - 10	\Diamond	KP 303
	Cable end-sleeves, square pressing	10 - 16	\bigcirc	KP 304
	Cable end-sleeves, round pressing	0.14 - 2.5		KP 350
	Cable end-sleeves, round pressing for narrow chamber sizes	1.5 - 6		KP 351
	Cable end-sleeves, round pressing for narrow chamber sizes	10 - 16		KP 352
	Cable end-sleeves DIN 46228, part 2, roll-crimping	0.5 - 2.5	8	KP 66
Crimping head	ls for insulated cable connections			
2	Insulated cable connections (yellow and red)	0.1 - 1		KP 80
2	Insulated cable connections (red and blue)	0.5 - 2.5		KP 81
	Insulated cable connections (red, yellow, blue)	0.5 - 6		KP 82
2	Insulated cable connections (yellow)	4 - 6		KP 83
Crimping head	ls for tubular cable lugs and solderless terminals			
2	Tubular cable lugs and solderless terminals	0.5 - 6	\bigcirc	KP 232
7	Tubular cable lugs and solderless terminals	4 - 10	\bigcirc	KP 242
Crimping head	ls for photovoltaic			
	Connector for photovoltaics 3 mm dia.	2.5 - 4		KP 90 MC





Suitable for	Crimping range mm ²	Crimp profile	Part No.
Crimping heads for receptacles			
Part No. 3720. Receptacles 6.3 x 0.8 mm with lateral conductor connector	0.5 - 1	\odot	KP 631
Part No. 3725, receptacles 6.3 x 0.8 mm with lateral conductor connector	0.5 - 1.5	\odot	KP 64
Part No. 3735, receptacles 6.3 x 0.8 mm with lateral conductor connector	1.5 - 2.5	\odot	KP 632
For receptacles 2.8 mm tab width	0.1 - 1	\odot	KP 67
For receptacles 4.8 mm tab width	0.5 - 2.5	\odot	KP 65
For receptacles 6.3 mm tab width	0.5 - 2.5	\odot	KP 68

SKP 1 Crimping head set of the Klauke Pro-Series

- ▶ Easy change of crimping head without tools
- ▶ Crimping of conductor and insulation in one step
- ▶ Spring supported tool opening

- Parallel guided crimping heads
- With ratchet for consistent crimp results

Technical data			
Dimension	250 x 115 x 40 mm		
Weight	0.8 kg		
Item		Part No.	
Crimping head set of the Klauke Pro-Series		SKP1	
Scope of supply		Part No.	Page
Basic tool from the Klau	ke Pro-Series, length 151 mm	KP1	256
Crimping head for insula	ted cable connections 0.5 - 2.5 mm² (red, blue)	KP81	
Crimping head for cable	end-sleeves, square pressing, 0.08 - 10 mm ²	KP303	
Crimping head for non-interminals 0.5 - 6 mm ²	nsulated tubular cable lugs and solderless	KP232	









Klaukepro

SKP 6 Crimping heads set of the Klauke Pro-Series





- Easy change of crimping head without tools
- Crimping of conductor and insulation in one step
- Parallel guided crimping heads
- Spring supported tool opening

Characteristics

- Roll-crimping
- For crimping of non-insulated receptacles with lateral conductor connector

Klauke®

With ratchet for consistent crimp results

Technical data			
Dimension	250 x 115 x 40 mm		
Weight	0.8 kg		
Item		Part No.	
Crimping head set of the Klauki	e Pro-Series	SKP6	
Scope of supply		Part No.	Page
Basic tool from the Klauke Pro-Series, length 151 mm		KP1	256
Crimping head for receptacles 6.3 x 0.8 mm KP631 with lateral conductor connector, 0.5 - 1 mm², for Item 3720			
Crimping head for receptacles (KP632	
Crimping head for receptacles of with lateral conductor connected		KP64	

K 507 Crimping tool with interchangeable dies





- With ratchet for consistent crimp results
- An adjusting disc balances the wear of the crimping tool

Technical data			
Length	220 mm		
Weight	0.6 kg		
Item		Part No.	
Crimping tool with in	terchangeable dies	K507	
Scope of supply		Part No.	Page
Crimping die for insl	. connector 0.5 - 6 mm ²	IS5071	
Crimping dies AE 50	, 0.14 - 10 mm²	AE501	414
Crimping die for insu	ılated connectors 0.5 - 6 mm²	Q5071	



K 50 Crimping tool for interchangeable dies

- ▶ Parallel guided crimping jaws
- ▶ Fast change of crimping die without readjustment by special fixing system

Characteristics

- Optimised force transmission
- With ratchet
- Non-slip handles

Technical data			
Length	220 mm		
Weight	0.6 kg		
Item		Part No.	
Crimping tool for in	terchangeable dies 0.1 - 50 mm²	K50	
Accessories		Part No.	Page
Steel carrying case		MK55	214





Available dies for Series 50 for K 50

Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Tubular cable lugs and connectors, Cu	Connection material	ormping rango iiiii	ormip promo	· ugo
Tubular cable lugs and connectors, Cu, standard type		0.75 - 10	\bigcirc	414
Tubular cable lugs and connectors for solid conductors, Cu	0	1.5 - 10	\bigcirc	414
Terminals, connectors and pin terminals acc. to DIN - Cu				
Terminals (DIN 46234) and pin terminals (DIN 46230) Cu, solderless connectors (DIN 46341) Cu		0.5 - 10	\bigcirc	414
Cable end-sleeves				
Cable end-sleeves		0.14 - 50		414
Cable connections, insulated and non-insulated				
Non insulated receptacles		0.25 - 6	8	415
for pin and shielded receptacles, BNC connectors for coax cables RG 58,59,60 and 71				415
Turned pin connectors, pin receptacles		0.1 - 4	4	415
Insulated cable connections, double crimping		0.1 - 6		415
Insulated cable connections, single crimping		0.5 - 16		415



K 35/4 Crimping tool for interchangeable dies 6 - 150 mm²



- ▶ Change of crimping dies without tools
- Optimised for cable glands and panel building
- ▶ Effort-saving and low maintenance mechanical drive

Characteristics

- Narrow crimping
- With telescopic handles
- Crimping head rotates 360°
- Fast change of crimping die without readjustment by special fixing system

Technical data		
Length	Stepless 420 - 590 mm	
Weight	1.9 kg	
Item		Part No.
Crimping tool for in	terchangeable dies 6 - 150 mm ²	K354

KlauKe®

Accessories	Part No.	Page
Steel carrying case	SK65L	215



Available dies for Series 4 for K 35/4

Suitable for	Connecting 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	blue connection	6 - 150		416
Tubular cable lugs and connectors, Cu, standard type, tubular cable lugs for switchgear connections		6 - 150		417
Insulated tubular cable lugs and connectors, standard type, insulated pin terminals		10 - 70		417
Tubular cable lugs and connectors for fine stranded conductors		10 - 35	\bigcirc	418
Tubular cable lugs and compression joints for solid conductors	0	1.5 - 16		418
Tubular cable lugs and connectors, Ni, stainless steel				
Tubular cable lugs and connectors, stainless steel	VA	0.5 - 16	\bigcirc	418
Tubular cable lugs and connectors, Ni	Ni Si	0.5 - 16	\bigcirc	418
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	6 - 120	\bigcirc	418
Terminals, connectors and pin terminals acc. to DIN - Cu				
Solderless terminals (DIN 46234), connectors (DIN 46341) and pin terminals (DIN 46230) - Cu	5	10 - 35	\bigcirc	419
Insulated solderless terminals and connectors		10 - 16	\bigcirc	419
Sleeves for compacted conductors and sector shaped conductors				
Pre-rounding dies for sector shaped Al and Cu conductors		10sm - 150se / 120sm		419
Aluminum compression cable lugs and connectors to DIN				
Aluminum compression cable lugs and connectors to DIN	AI	10 - 70		420
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182	Aldrey	25 - 50		420
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Alicu	10 - 70	\bigcirc	420
Clamps and screw connectors				
Clamps, C-type		4 - 35		420
Cable end-sleeves				
Cable end-sleeves		10 - 50		420
Twin cable end-sleeves		2 x 4 - 2 x 16		421
Twin cable end-sleeves for fine stranded conductors		2 x 4 - 2 x 16		421
Cable end-sleeves for fine stranded conductors		10 - 50		421

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



K 18 Crimping tool for interchangeable dies acc. to DIN 48083, part 1, 6 - 185 mm²



- ▶ Change of crimping dies without tools
- Optimised for cable glands and panel building
- ▶ Effort-saving and low maintenance mechanical drive

- Narrow crimping
- With telescopic handles
- C-head rotates 360°
- Fast change of crimping die without readjustment by special fixing system

Technical data			
Length	Stepless 580 - 830 mm		
Weight	2.5 kg		
Item		Part No.	
Crimping tool for int 6 - 185 mm ²	erchangeable dies acc. to DIN 48083, sheet 1,	K18	
Accessories		Part No.	Page
Steel carrying case		MK18	215

2	6	2



Available dies for Series 18 for K 18

Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Tubular cable lugs and connectors, Cu				
Tubular cable lugs and connectors, standard type, tubular cable lugs for switchgear connections		6 - 185		427
Connectors, Standard type		6 - 95		427
Insulated tubular cable lugs and compression joints standard type, insulated pin terminals		10 - 95		427
Tubular cable lugs and connectors for fine stranded conductors		10 - 50	\bigcirc	428
Tubular cable lugs and connectors for solid conductors		1.5 - 16		428
Copper compression cable lugs and connectors acc. to DIN				
Copper compression cable lugs (DIN 46235) and compression joints acc. to DIN	DIN	6 - 185		428
Connectors DIN 46267	DIN	6 - 70		428
Terminals, connectors and pin terminals acc. to DIN - Cu				
Solderless terminals (DIN 46234), connectors (DIN 46341) and pin terminals (DIN 46230)		10 - 70	\bigcirc	429
Insulated solderless terminals		10 - 50	\bigcirc	429
Sleeves for compacted conductors and sector shaped conductors,	Cu			
Pre-rounding dies for sector-shaped Al and Cu conductors		10 sm - 240 se / 185 sm		429
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs acc. to DIN - Al	AI	10 - 185		430
Aluminum connectors	AI	10 - 70		430
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182	Aldrey	25 - 95		430
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10 - 185		430
Clamps and screw connectors				
Clamps, C-type	E	4 - 50		430
Cable end-sleeves				
Cable end-sleeves		10 - 95		431
Twin cable end-sleeves		2 x 4 - 2 x 16		431
Cable end-sleeves for fine stranded conductors		10 - 95		431
Twin cable end-sleeves for fine stranded conductors		2 x 4 - 2 x 16		432
Cutting die				
Cutting die 18 mm		18 mm dia.		432
Please observe the restrictions in the technical index when crimpin				



K 22 Crimping tool for interchangeable dies 6 - 300 mm²





- Optimised for cable glands and panel building
- ▶ Effort-saving and low maintenance mechanical drive

Characteristics

- Narrow crimping
- Large cross section by half shell dies
- With telescopic handles
- Crimping head rotates 360°, flip flop style
- Fast change of crimping die without readjustment by special fixing system

Length	Stepless 560 - 860 mm	
Weight	2.5 kg	
Item		Part No.
Crimping tool for in	terchangeable dies 6 - 300 mm ²	K22

KlauKe®

Accessories	Part No.	Page
Steel carrying case	MK22	216



Available dies for Series 22 for K 22

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	blue connection	6 - 300		433
Tubular cable lugs and connectors, standard type, tubular cable lugs for switchgear connections		6 - 300		434
Insulated tubular cable lugs and compression joints, standard type, insulated pin terminals		10 - 150		434
Tubular cable lugs and connectors for fine stranded conductors		10 - 70	\bigcirc	435
Tubular cable lugs and connectors for solid conductors	0	1.5 - 16		435
Tubular cable lugs and connectors, Ni, stainless steel				
Tubular cable lugs and connectors, stainless steel	VA	0.5 - 16	\bigcirc	435
Tubular cable lugs and connectors, Ni	Ni Si	10 - 50	\bigcirc	435
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	6 - 300		436
Double compression cable lugs	DIN	2 x 50 - 2 x 70		436
Terminals, connectors and pin terminals acc. to DIN - Cu				
Solderless terminals (DIN 46234), connectors (DIN 46267, part 1) acc. to DIN		10 - 70	\bigcirc	437
Insulated solderless terminals		10 - 70	\bigcirc	437
Sleeves for compacted conductors and sector shaped conductors, 0	Cu			
Pre-rounding dies for sector shaped Al and Cu conductors		10 sm - 300 se / 240 sm		437
Aluminum compression cable lugs and connectors to DIN				
Aluminum compression cable lugs and connectors acc. to DIN - Al	AI	10 - 300		438
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		438
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	25 / 4 - 120 / 20		439
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	25/4 - 120/20	\bigcirc	439
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10 - 300		438
Clamps and screw connectors				
C-clamps		4 - 50		439
H-clamps		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, trapezodial, for fine stranded conductors		10 - 240		440
Twin cable end-sleeves, trapezodial, for fine stranded conductors		2 x 4 - 2 x 16	\square	441

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



Precise cutting by hand.

Mechanical tools for cutting.

Precise cuts are no longer rocket science - as long as you have the right tool to hand.

The potential for cutting is endless. That's why Klauke places so much importance on the quality of its cutting tools. They are all made from high-quality materials, are rust-proof and surface-finished. This symbiosis of quality and longevity expand the product features and make them unique. The cutting tools are accurately finished and are set apart by high material quality and precision. Because precision plays a key role, Klauke's cutting tools have ergonomically-designed handles and are perfectly matched to the drive, thereby maximising hand force transmission.



- Cutting tools for aluminum and copper cables up to 100 mm dia.
- Fully-insulated cutting tools up to 1000 V to DIN EN 60900.
- Lever mechanism for optimized force exertion
- High-grade cutting blades for precise cuts.



- A special lever mechanism allows low-force, effortless operations.
- > Small handy tools offering great benefits.

Benefits:

- Many years of low wear use.
- ▶ Effortless operations.
- Fit into any toolbox and is to hand at all times.



		5,5.1.50.1.51.1.						
		App	lication		D	esign	Dr	ive
Туре	max. mm dia. ¹⁾	Copper/ aluminum stranded	Copper, fine	VDE, insu- lated	Open head	Closed head	Single-acting drive	Force-supported drive
K118	12	~	~		V		V	
K100	14	~	~		V		V	
K102	20		~		~		V	
K130	30	~	~		V		V	
K150	50	~	~		V		✓	
K230 2)	39	~	~	~	V		V	
K250 2)	50	~	~	~	V		V	
K101/1	26	~	~		V			✓
K105/1	26	V	~		V			✓
K201/1 ²⁾	26	~	~	~	V			V
K101/2	38	~	~		V			✓
K18 (S18)	18	V			V			✓
K106/1	32	~				~		V
K106/2	52	V				~		V
K103/1	60	~				V		V
K104/1	100	~				V		V

¹⁾ The exact cutting capacity depends on the type of cable or rope.



²⁾ With fully-insulated levers to IEC 60900.



K 118 Hand-operated cutting tool for Cu and Al cables up to 12 mm dia.



- Handy design with high performance
- Cutting tool for solid, stranded, fine stranded and super fine stranded conductors, e.g. VDE 0295 class 1, 2, 5 and 6
- ▶ High cutting performance by specially designed cutting blades
- Two cutting blades for small and large cable dimensions for high user comfort

Characteristics

- One hand operation
- For solid conductors class 1 up to 10 mm² (max. 4 mm dia.)
- For copper stranded conductors class 2 up to 16 mm² (max. 5 mm dia.)
- For aluminum stranded conductors class 2 up to 25 mm² (max. 10 mm dia.)
- For copper fine and super fine stranded conductors class 5 and 6 up to 50 mm² (max. 12 mm dia.)

max. 12 mm dia., e.g. 1	max. 12 mm dia., e.g. 1 x 50 mm² H07VK				
165 mm					
0.17 kg					
	Part No.				
Hand-operated cutting tool to 12 mm dia.					
	165 mm 0.17 kg				

K 100 Hand-operated cutting tool for Al and Cu cables up to 14 mm dia.



Outstanding cutting tool for fine and multi-stranded cables

- Short design
- Two-hand operation

Technical data		
Cutting range	max. 14 mm dia., e.g. 1 x 50 mm² H07VK	
Length	280 mm	
Weight	0.55 kg	
Item		Part No.
Hand-operated cutting tool for Cu and Al cables to 14 mm		K100





K 102 Hand-operated cutting tool up to 20 mm dia.

Outstanding cutting tool for fine and superfine stranded copper cables acc. to VDE 0295 class 5 and 6

Characteristics

■ Non-slip handles

Technical data			
Cutting range	max. 20 mm dia., e.g. 1 x	max. 20 mm dia., e.g. 1 x 95 mm ² H07V-K	
Length	225 mm		
Weight	0.35 kg	0.35 kg	
Item		Part No.	
Hand-operated cutting t	ool to 20 mm dia.	K102	





K 106/1 Hand-operated cutting tool for Al and Cu cables up to 32 mm dia.

- For earth, plastic and rubber cables
- Lightweight design with great cutting performance

- One-hand operation
- Effort-saving 2-stage ratchet system
- Not suitable for cutting steel or steel wire
- Non-slip handles

Technical data			
Cutting range	max. 32 mm dia., e.g. 4 x 35 mm ²	max. 32 mm dia., e.g. 4 x 35 mm ² NYY	
Length	250 mm		
Weight	0.55 kg	0.55 kg	
Item		Part No.	
Hand-operated cutting tool for Cu and Al cables to 32 mm dia.		K1061	





K 106/2 Hand-operated cutting tool for Al and Cu cables up to 50 mm dia.



- For earth, plastic and rubber cables
- Lightweight design with great cutting performance

Characteristics

- One-hand operation
- Effort-saving 2-stage ratchet system
- Not suitable for cutting steel or steel wire
- Non-slip handles

Cutting range	e.g. 4 x 120 mm² NYY, max. 50 mm	n dia.	
Length	280 mm		
Weight	0.74 kg	0.74 kg	
Item		Part No.	
Hand-operated cutting	tool for Cu and Al cables to 50 mm dia.	K1062	

K 103/1 Hand-operated cutting tool for Al and Cu cables up to 60 mm dia.



- For earth, plastic and rubber cables
- Cutting range up to 60 mm diameter

- Two-hand operation
- Effort-saving 2-stage ratchet system
- Not suitable for cutting steel or steel wire

Technical data		
Cutting range	e.g. 4 x 240 mm² NAYY, max. 60 m	nm dia.
Length	720 mm	
Weight	4.5 kg	
Item		Part No.
Hand-operated cutting	tool for Cu and Al cables to 60 mm dia.	K1031





K 104/1 Hand-operated cutting tool for Al and Cu cables up to 100 mm dia.

- For earth, plastic and rubber cables
- Very wide cutting range up to 100 mm dia.

Characteristics

- Two-hand operation
- Effort-saving 2-stage ratchet system
- Not suitable for cutting steel or steel wire

Technical data		
Cutting range	e.g. 4 x 400 mm² NAYY, max. 100 mm dia.	
Length	870 mm	
Weight	5.7 kg	
Item		Part No.
Hand-operated cutting tool for Cu and Al cables to 100 mm dia.		K1041



K 130 Hand-operated cutting tool for Al and Cu cables up to 30 mm dia.

- ▶ High performance because of specially designed flat cutting blades
- ▶ Also for fine stranded conductors

- Two-hand operation
- Large cutting range
- Not suitable for cutting steel or steel wire
- Roughened handles for safe working

Technical data		
Cutting range	e.g. 4 x 35 mm² NYY, max. 30 mm dia.	
Length	570 mm	
Weight	1.7 kg	
Item		Part No.
Hand-operated cutting tool for Cu and Al cables to 30 mm dia.		K130







K 230 Hand-operated cutting tool for Al and Cu cables up to 30 mm dia.



- ▶ High performance because of specially designed flat cutting blades
- ▶ 1000 V fully insulated to IEC 60900
- Also for fine stranded conductors

Characteristics

- Two-hand operation
- Not suitable for cutting steel or steel wire

Technical data		
Cutting range	max. 30 mm dia., e.g. 4 x 35 mm ²	NYY
Length	570 mm	
Weight	2.1 kg	
Item		Part No.
Hand-operated cutting	tool for Cu and Al cables to 30 mm dia	K230





K 150 Hand-operated cutting tool for Al and Cu cables up to 50 mm dia.



- ▶ High performance because of specially designed flat cutting blades
- ▶ Also for fine stranded conductors
- ▶ Roughened handles for safe working

- Two-hand operation
- Large cutting range
- Not suitable for cutting steel or steel wire

Technical data			
Cutting range	max. 50 mm dia., e.g. 4 x 120 mm	max. 50 mm dia., e.g. 4 x 120 mm ² NYY	
Length	710 mm		
Weight	3 kg		
Item		Part No.	
Hand-operated cutting tool for Cu and Al cables to 50 mm dia.		K150	





K 250 Hand-operated cutting tool for Al and Cu cables up to 50 mm dia.

- High performance because of specially designed flat cutting blades
- ▶ 1000 V fully insulated to IEC 60900
- Also for fine stranded conductors e.g. VDE 0295 Class 5

Characteristics

- Two-hand operation
- Large cutting range
- Not suitable for cutting steel or steel wire

Technical data			
Cutting range	e.g. 4 x 120 mm² NYY, max. 50 mi	e.g. 4 x 120 mm² NYY, max. 50 mm dia.	
Length	710 mm	710 mm	
Weight	3.7 kg	3.7 kg	
Item		Part No.	
Hand-operated cutting tool for Cu and Al cables to 50 mm dia.		K250	







K 101/1 Hand-operated cutting tool for Al and Cu cables up to 26 mm dia.

- > Cutting head exchangeable at site
- ▶ Also for fine stranded conductors

- Two-hand operation
- Excellent leverage
- Not suitable for cutting steel or steel wire
- Roughened handles for safe working

Cutting range	e.g. 4 x 25 mm ² NYY, max. 26 mm	e.g. 4 x 25 mm ² NYY, max. 26 mm dia.	
Length	570 mm		
Weight	1.8 kg		
Item		Part No.	
Hand-operated cutting tool for Cu and Al cables to 26 mm dia.		K1011	

Accessories	Part No.	Page
Replacement cutting head	K1011E	







K 105/1 Hand-operated cutting tool for Al and Cu cables up to 26 mm dia., with telescopic handles



- Tool with extendable telescopic handles
- **Excellent leverage**
- Also for fine stranded conductors e.g. VDE 0295 Class 5

Characteristics

- Two-hand operation
- Cutting head exchangeable at site
- Roughened handles for safe working
- Not suitable for cutting steel or steel wire

Technical data Cutting range	e.g. 4 x 25 mm² NYY, max. 26 mm	dia.
Length	Stepless 350-520 mm	
Weight	1.4 kg	
Item		Part No.
Hand-operated cutting tool for Al and Cu cables to 26 mm dia., length 350 - 520 mm continuous		K1051

Klauke®

Accessories	Part No.	Page
Replacement cutting head	K1011E	
Steel carrying case	SK120L	215

K 201/1 Hand-operated cutting tool for Al and Cu cables up to 26 mm dia., length 570mm









K1011E

- ▶ 1000 V fully insulated to IEC 60900
- Excellent leverage
- Also for fine stranded conductors e.g. VDE 0295 Class 5

- Two-hand operation
- Cutting head exchangeable at site
- Not suitable for cutting steel or steel wire

Cutting range	max. 26 mm dia., e.g. 4 x 95 mm	1 ² NYY
Length	570 mm	
Weight	2 kg	
Item		Part No.
Hand-operated cutting tool for Al and Cu cables to 26 mm dia., length 570 mm		K2011

Accessories	Part No.	Page
Replacement cutting head	K1011E	



K 101/2 Hand-operated cutting tool for Cu and Al cables up to 38 mm dia.

- ▶ Cutting head exchangeable at site
- ▶ Also for fine stranded conductors e.g. VDE 0295 Class 5
- Excellent leverage
- Extended lever handles

- Two-hand operation
- Large cutting range
- Not suitable for cutting steel or steel wire
- Roughened handles for safe working

Technical data		
Cutting range	max. 38 mm dia.	
Length	930 mm	
Weight	4.2 kg	
Item		Part No.
Hand-operated cutting tool for Cu and Al cables to 38 mm dia.		K1012

Accessories	Part No.	Page
Replacement cutting head	K1012E	







The world's first electromechanical crimping tool with PowerSense technology



1. Manual pre-clamping

Operating the lever closes the crimping jaws without any exertion on the part of the user and fixes the connecting material. In this "pre-clamped" state it is still possible to adjust the position and the alignment.



2. Motorized crimping

Further actuation or "depression of" the lever starts the crimping process - fully automatically using the power of the integrated



... and done

The retraction to the starting position is also fully automatic. the process can be interrupted by actuating the lever in the opposite direction.



Versatile

for convenient crimping of cable connections, cable end-sleeves and cable



Innovative

with the unique, intuitive operating concept and PowerSense technology



Optimum view

thanks to LED Illumination of the crimping jaws and working area



Durable

thanks to the powerful lithium-ion battery with charge status display

The new Klauke micro combines the benefits of manual crimping pliers with the convenience of battery powered hydraulic crimping tools

- ▶ High speed (crimping time < 1.5 sec.)
- Very low weight (< 1 kg)</p>
- Very easy handling thanks to PowerSense technology
- ▶ Electronic control with blocking function and motor stall protection
- ▶ Ergonomic two-component housing in Klauke "In-line Design"
- ▶ Powerful drive technology for effortless operations

- ▶ 10.8 V Lithium-ion battery with charge level indicator
- ▶ Excellent crimping results with minimum effort
- Interchangeable Klauke 50-series crimping dies (for all common applications up to 50 mm²)
- Long service life (service intervals of 35,000 crimping cycles)
- Superlative value-for-money





KIBUKE® micro

Fast, light, efficient. Klauke micro – the way you crimp today.

Until now, you could choose from three types of Klauke crimping tools for crimping in a cross-sectional range to 50 mm²: mechanical crimping pliers, pneumatic and hydraulic crimping tools. The various tool concepts offer their own particular benefits, depending on location and application requirement.

The tool program is now being expanded by a new

The tool program is now being expanded by a new form of crimping – as easy and fast as mechanical crimping pliers, as powerful and durable as a hydraulically-powered crimping tool.

Klauke micro – the world's first electromechanical crimping tool with PowerSense technology.

Manual pre-clamping. Motorized crimping.

More performance, more efficiency - and takes up less space

The new Klauke micro is ideally suited for applications where connecting material has to be crimped quickly and in a high volume but also wherever a compact and mobile tool is required, e.g. for switch cabinet construction and numerous other installation applications in trade and industry.



KlauKi

6









Electromechanical crimping tool Klauke micro

EK 50 ML Electromechanical crimping tool 0.14 - 50 mm²





























- The Klauke micro with intuitive PowerSense function combines the advantages of manual crimping tools with the convenience of battery-powered hydraulic crimping tools
- Excellent crimping results for minimum effort

- For interchangeable dies, series 50
- One-lever operation for controlling all tool functions
- Electronic control with lock function monitors complete closing of the dies
- Automatic retraction when crimping is complete
- Manual retraction in case of need thanks to opposed lever actuation
- Motor stall protection in case of faulty operation
- Ergonomic 2-component housing in Klauke "In-line design"
- Mounting lugs for use with balancer or as fall protection when used outdoors
- Very low weight and high speed for maximum efficiency
- Powerful drive technology for effortless operations
- Li-lon battery with charge status display
- LED light for illuminating crimping point and work area
- Multifunction LED for maintenance display and data transfer via optional interface and USB adapter
- Project-relevant recording with Klauke i-press software package

Technical data	
Crimping force	max. 15 kN
Crimping range	0.14 - 50 mm ²
Crimping cycle	< 1,5 s (depending on connecting material)
Number of crimps	approx. 300 at 10 mm2 Cu DIN 46234 / per battery charge
Battery voltage	10.8 V
Battery capacity	1.5 Ah, Li-Ion
Charging time	approx. 40 min.
Weight incl. battery	0.96 kg
Ambient temperature	-10°C to +40 °C

Item Electromechanical crimping tool 0.14 - 50 mm²	Part No. EK50ML	
Scope of supply	Part No.	Page
Battery 10,8 V / 1,5 Ah, Li-lon (16,2 Wh)	RAML1	
Charger for 10,8 V Li-lon Akkus, 230V	LGML1	
Crimping die for insl. connector 0.5 - 6 mm²	IS5071	
Plastic case 450 x 370 x 105 mm	KKEK50ML	

Accessories	Part No.	Page
USB adapter	PGA1	408

Variants	Part No.	Page
Electromechanical crimping tool 0.14 - 50 mm ² with RAML1	EK50ML-L	
battery, without charger, crimping die, case		



Electromechanical crimping tool Klauke micro

Available dies of Series 50 for

Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Copper tubular cable lugs and connectors				
Tubular cable lugs and connectors, standard type		0,75 - 10	\bigcirc	414
Tubular cable lugs and connectors for solid conductors	O CO	1,5 - 10		414
Terminals, connectors and pin terminals acc. to DIN, copper				
Solderless terminals (DIN 46234), connectors (DIN 46341) and pin terminals (DIN 46230)		0,5 - 10	\bigcirc	414
Cable end-sleeves				
Cable end-sleeves		0,14 - 50		414
Cable connections, insulated and non-insulated				
Insulated cable connections, double crimping		0,1 - 6		415
Insulated cable connections, single crimping		0,5 - 16		415
Non-insulated receptacles		0,25 - 6	\odot	415
BNC connectors for coax cables RG 58,59,60 and 71				415
Turned pin connectors and receptacles		0,1 - 4	(\	415

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



Special drives for even greater speed.



Electric and pneumatic crimping tools.

In addition to various hydraulic tools, the Klauke range also includes electromechanical and pneumatic tools. The tools are compatible with **KIBUKEPP** series heads and are therefore extremely versatile.

The high crimping speed of the KPM15 pneumatic crimping tool makes it suitable for the standard production of individual contacts and also for use in control cabinets.

The optional foot switch allows stationary applications as a bench-mounted tool.



- Electric bench crimping tool compatible with KlauKe'pre series heads and 50-series dies.
- Pneumatic crimping tool compatible with Klaukepro series heads.
- Especially suitable for cable harness assembly.







Electric and pneumatic crimping tools

TEKP1 Stationary basic tool - Klauke Pro-Series

- Compatible with all crimping heads of the Klauke Pro-Series
- > Suitable for continuous operation
- Easy change of crimping head without tools

- Transportable worktop crimping device
- Safety foot switch
- Two-stage system with tooling and crimping function
- With adapter TEKP 1A50 compatible to all crimping dies of series 50

Technical data			
Crimping cycle	approx. 1 s (depending on cross-	section)	
Dimension	approx. 280 x 230 x 410 mm		
Mains voltage	220 - 240 V		
Weight	13.0 kg		
Item		Part No.	
Stationary basic tool including foot switch and mains cable		TEKP1	
Accessories		Part No.	Page
Adapter for crimping dies	of Series 50	TEKP1A50	





	Suitable for	Crimping range mm ²	Crimp profile	Part No.
rimping heads	s for cable end-sleeves			
	Cable end-sleeves, trapezoid crimping	0.14 - 6		KP312
	Cable end-sleeves, square pressing	0.14 -10	\Diamond	KP303
1000	Cable end-sleeves, square pressing	10 - 16	\Diamond	KP304
	Cable end-sleeves, round pressing	0.14 - 2.5	0	KP350
	Cable end-sleeves, round pressing for narrow chamber sizes	1.5 - 6		KP351
	Cable end-sleeves, round pressing for narrow chamber sizes	10 - 16	0	KP352
	Cable end-sleeves, DIN 46228, part 2, roll-crimping	0.5 - 2.5	8	KP66
rimping heads	for insulated cable connections			
n	Insulated cable connections (yellow and red)	0.1 - 1	0	KP80
n	Insulated cable connections (red and blue)	0.5 - 2.5	0	KP81
	Insulated cable connections (red, yellow, blue)	0.5 - 6	0	KP82
7	Insulated cable connections (yellow)	4 - 6		KP83
rimping heads	for tubular cable lugs and terminals			
n	Tubular cable lugs and solderless terminals	0.5 - 6	\bigcirc	KP232
n	Tubular cable lugs and solderless terminals	4 - 10	\bigcirc	KP242
rimping heads	for photovoltaic			
4	Connector for photovoltaics 3 mm dia.	2.5 - 4	0	KP90MC3
rimping heads	for receptacles			
	Part No. 3720. Receptacles 6.3 x 0.8 mm with lateral conductor connector	0.5 - 1	0	KP631
	Part No. 3725, receptacles 6.3 x 0.8 mm with lateral conductor connector	0.5 - 1.5	0	KP64
	Part No. 3735, receptacles 6.3 x 0.8 mm with lateral conductor connector	1.5 - 2.5	0	KP632
40	For receptacles 2.8 mm tab width	0.1 - 1	<u> </u>	KP67
1	For receptacles 4.8 mm tab width	0.5 - 2.5	<u> </u>	KP65
-3573	For receptacles 6.3 mm tab width	0.5 - 2.5	<u></u>	KP68



Electric and pneumatic crimping tools

KPM 15 Pneumatic basic tool - Klauke Pro Series



- Compatible with all crimping heads of the Klauke Pro-Series (with Klauke KPM 15 PRO adapter)
- ▶ Easy change of crimping head without tools

Characteristics

- Crimping head rotates 360°
- Integrated, disengageable ratchet
- Optional worktop stand, including foot switch

Technical data	
Crimping cycle	max. 1 s, depending on set pressure
Ambient temperature	-20°C to +40 °C
Permissible pressure range	6-8 bar
Air consumption/cycle at 6 bar	0.32
Diameter	65 mm
Length	280 mm
Weight	1.5 kg

Item	Part No.
Pneumatic basic tool of the Klauke Pro-Series	KPM15

Accessories	Part No.	Page
Adapter for crimping heads from the Klauke Pro-Series	KPM15PR0	282
Worktop stand, including foot switch	KPM15TH	282

KPM 15 TH Worktop stand including foot switch



Adjustable worktop with ball-point mounting system

Characteristics

For mounting the pneumatic basic tool KPM 15

Item	Part No.
Worktop stand, including foot switch	KPM15TH

KPM 15 PRO Adapter for crimping heads - Klauke Pro-Series



Characteristics

■ Compatible with all crimping heads of the Klauke Pro-Series

Item	Part No.
Adapter for crimping heads from the Klauke Pro-Series	KPM15PR0



Electric and pneumatic crimping tools

	Suitable for	Crimping range mm ²	Crimp profile	Part No.
Crimping heads	for cable end-sleeves			
. 15	Cable end-sleeves, trapezoid crimping	0.14 - 6		KP312
	Cable end-sleeves, square pressing	0.14 -10	\Diamond	KP303
	Cable end-sleeves, square pressing	10 - 16	\Diamond	KP304
	Cable end-sleeves, round pressing	0.14 - 2.5		KP350
	Cable end-sleeves, round pressing for narrow chamber sizes	1.5 - 6		KP351
	Cable end-sleeves, round pressing for narrow chamber sizes	10 - 16		KP352
	Cable end sleeves, DIN 46228, part 2, roll-crimping	0.5 - 2.5	\odot	KP66
Crimping heads	for insulated cable connections			
	Insulated cable connections (yellow and red)	0.1 - 1		KP80
	Insulated cable connections (red and blue)	0.5 - 2.5		KP81
	Insulated cable connections (red, yellow, blue)	0.5 - 6		KP82
n	Insulated cable connections (yellow)	4 - 6		KP83
Crimping heads	for tubular cable lugs and terminals			
	Tubular cable lugs and solderless terminals	0.5 - 6	\bigcirc	KP232
m	Tubular cable lugs and solderless terminals	4 - 10	\bigcirc	KP242
Crimping heads	for photovoltaic			
	Connector for photovoltaics 3 mm dia.	2.5 - 4		KP90MC31
Crimping heads	for receptacles			
	Part No. 3720. Receptacles 6.3 x 0.8 mm with lateral conductor connector	0.5 - 1	\odot	KP631
	Part No. 3725, receptacles 6.3 x 0.8 mm with lateral conductor connector	0.5 - 1.5	\odot	KP64
	Part No. 3735, receptacles 6.3 x 0.8 mm with lateral conductor connector	1.5 - 2.5	\odot	KP632
	For receptacles 2.8 mm tab width	0.1 - 1	\odot	KP67
	For receptacles 4.8 mm tab width	0.5 - 2.5	\odot	KP65
	For receptacles 6.3 mm tab width	0.5 - 2.5	8	KP68



Increased force for fast

crimping.



Hand-operated hydraulic crimping tools.

Klauke hand-operated hydraulic tools are the most convenient and safest types to generate precise and high operating forces by hand. The ergonomic design and lightweight aluminum handles permit frequent fatigue proof operations.

All tools feature a two-stage hydraulic system with fast feed and power stroke upon reaching counter pressure. Once the crimping operation is complete, the crimping jaws open automatically and retract to the original position - another plus for safety and comfort.

- Hand-operated hydraulic crimping tools: compact, innovative and safe.
- 2-stage hydraulics with fast feed and power stroke during operation, and automatic retraction on completion of the crimp.
- Ergonomic design and lightweight.
- Rotating heads.



■ Ergonomic design and lightweight.

- Automatic retraction on completion of the crimping operation.
- Crimping tools from 55 kN to 120 kN crimping force.
- Nominal cross sections up to 400 mm².

Benefits:

- Poor crimps are avoided, more safety and shorter intervals between crimping operations thanks to the automatic retraction function.
- Design and weight facilitate effortless operations.
- Safe to work in confined space conditions thanks to the rotating heads.
- ▶ Faster crimping with less force with the innovative 2-stage hydraulic function.

■ **Optimised handling** with 6-ton crimping tools.



- Aluminum pump lever and housing result in low weight.
- Compact design.
- Designed for nominal cross sections up to 300 mm².
- For Klauke 18 and 22 dies series.

Benefits:

- Extremely easy to handle, even with frequent operations in tight areas - installing underground cable joints or processing switch gears.
- Versatile applications with the broad range in Klauke's DINcompliant 18 and 22 series.

■ 12 tons for increased productivity.

- Very large crimping area up to 400 mm².
- For wide crimps with dies from the Klauke 13 series.

Benefits:

- Considerably higher productivity and time saved thanks to wide crimps.
- Typical applications include power technology and cable assembly.
- More on Page 292.



■ Quad-point indent crimping - centring guaranteed.



- Ideal for crimping tubular cable lugs on fine and superfine stranded conductors with nominal cross sections up to 300 mm².
- No dies required.
- The tools with quad-point indent crimping feature a patented Klauke centring system.
- Tools with open and flip-top crimping head.

Benefits:

- Safe, convenient processing of standard fine and superfine stranded conductors.
- Quad-point indent crimping tools with no die change are suitable for various cable types and sizes for numerous cable lugs and connectors.
- Optimised user safety and avoidance of poor crimps thanks to centring of conductors and connecting material.





Hand-operated hydraulic crimping tools

HK 60/18 Hand-operated hydraulic crimping tool 6 - 185 mm²









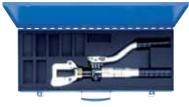












- For dies acc. to DIN 48083, page 1
- Crimping dies are connected by spring cannot get lost
- ▶ Lightweight for effortless operations

- For interchangeable dies, series 18, narrow crimping
- Closed crimping head, flip top style, rotatable
- Light weight due to high quality aluminum housing
- 2-stage hydraulic system with fast feed and power stroke
- Automatic retraction when crimping is complete
- Manual retract in case of need
- Environmentally-friendly hydraulic oil, quickly biodegradable

Technical data	
Crimping force	60 kN
Stroke	14 mm
Crimping range	6-185 mm ²
Length	470 mm
Weight	3.0 kg
Ambient temperature	-20°C to +40 °C

Item	Part No.	
Hand-operated hydraulic crimping tool 6 - 185 mm ²	HK6018	
Scope of supply	Part No.	Page
Steel carrying case for HK 60/18 with space for 8 crimping dies	MK6018	

Accessories	Part No.	Page
Digital meter for force and pressure measurement	TC1U	406
Measuring adapter, series 18	MA18	406
Force sensor, 70 kN	TF70L	406



Hand-operated hydraulic crimping tools

Available dies for Series 18 for HK 60/18

Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Tubular cable lugs and connectors, Cu				
Tubular cable lugs and connectors, standard type, tubular cable lugs for switchgear connections		6 - 185		427
Insulated tubular cable lugs and connectors, insulated pin terminals		10 - 95		427
Tubular cable lugs and connectors for fine stranded conductors		10 - 50	\bigcirc	428
Tubular cable lugs and connectors for solid conductors		1.5 - 16		428
Copper compression cable lugs and connectors acc. to DIN				
Copper compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	6 - 185		428
Terminals, connectors and pin terminals acc. to DIN - Cu				
Terminals (DIN 46234) and pin terminals (DIN 46230), connectors (DIN 46341)		10 - 70	\bigcirc	429
Insulated solderless terminals		10 - 50	\bigcirc	429
Sleeves for compacted conductors and sector shaped conductors,	Cu			
Pre-rounding crimping dies for Al and Cu sector shaped conductors	*	10 sm - 240 se / 185 sm		429
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN	AI	10 - 185		430
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182	Aldrey	25 - 95		430
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10 - 185		430
Clamps				
Clamps, C-type	B	4 - 50		430
Cable end-sleeves				
Cable end-sleeves		10 - 95		431
Twin cable end-sleeves		2 x 4 - 2 x 16		431
Cable end-sleeves, trapezodial, for fine stranded conductors		10 - 95		431
Twin cable end-sleeves, trapezodial, for fine stranded conductors		2 x 4 - 2 x 16		432
Cutting die				
Cutting range		18 mm dia.		432

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



Hand-operated hydraulic crimping tools

HK 60/22 Hand-operated hydraulic crimping tool 6 - 300 mm²





















- 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
- Light weight due to high quality aluminum housing
- 2-stage hydraulic system with fast feed and power stroke
- Automatic retraction when crimping is complete
- Manual retract in case of need
- Environmentally-friendly hydraulic oil, quickly biodegradable

Order info

Also available for "W" crimping dies (UL certified), part number appendix "W"

Technical data	
Crimping force	60 kN
Stroke	17 mm
Crimping range	6 - 300 mm²
Length	460 mm
Weight	3.3 kg
Ambient temperature	-20°C to +40 °C

Item	Part No.	
Hand-operated hydraulic crimping tool 6 - 300 mm ²	HK6022	
Scope of supply	Part No.	Page
Steel carrying case for HK 60/22 or HK 60/22 W with space for 17 pairs of crimping dies	MK6022	

Accessories	Part No.	Page
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
HK 60/22 with crimping die set R 22 from 16 - 240 mm ²	HK6022SETR	
HK 60/22 with crimping die set D 22 from 16 - 240 mm ²	HK6022SETD	



Available dies for Series 22 for HK 60/22

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	blue connection	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	\bigcirc	435
Tubular cable lugs and connectors for solid conductors	0	1.5 - 16		435
Tubular cable lugs and connectors, Ni, stainless steel				
Stainless steel tubular cable lugs and connectors	VA	0.5 - 16	\bigcirc	435
Nickel tubular cable lugs and connectors	Ni Si	10 - 50	\bigcirc	435
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	6 - 300		436
Double compression cable lugs	DIN	2 x 50 - 2 x 70		436
Terminals, connectors and pin terminals acc. to DIN - Cu				
Solderless terminals (DIN 46234) connectors (DIN 46230) Cu, and pin terminals (DIN 46341) Cu		10 - 70	\bigcirc	437
Insulated solderless terminals		10 - 70	\bigcirc	437
Compression cable lugs and connectors - Al/Cu				
Compression cable lugs and connectors - Al/Cu	Al/Cu	10 - 300		438
Sleeves for compacted conductors and sector shaped conductors,	Cu			
Pre-rounding dies for Al and Cu sector shaped conductors	•	10 sm - 300 se / 240 sm		437
Compression cable lugs and connectors acc. to DIN - Al				
Aluminum compression cable lugs and connectors acc. to DIN	AI	10 - 300		438
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		438
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	25 / 4 - 120 / 20		439
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	25 / 4 - 120 / 20		439
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, trapezodial, for fine stranded conductors		10 - 240		440
				441





HK 60 VP Hand-operated hydraulic crimping tool 10 - 240 mm²







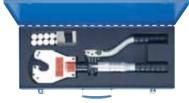




BiO







- Suitable for crimping tubular cable lugs and connectors "standard type" and fine and superfine stranded conductors to 240 mm²
- The patented centring system guarantees every time optimum crimping results

- Quad-point indent crimping feature with patented centring system, no dies required
- Open crimping head, rotatable
- Light weight due to high quality aluminum housing
- 2-stage hydraulic system with fast feed and power stroke
- Automatic retraction when crimping is complete
- Manual retract in case of need
- Environmentally-friendly hydraulic oil, quickly biodegradable

Technical data	
Crimping force	55 kN
Crimping range	10 - 240 mm²
Length	525 mm
Weight	4.1 kg
Ambient temperature	-20°C to +40 °C

Item Hand-operated hydraulic crimping tool 10 - 240 mm²	Part No.	
Scope of supply	Part No.	Page
Steel carrying case for HK 60 VP or HK 60 VP/FT	MK60VP	
Gauge and 10 test cylinder	TS10B	

Accessories	Part No.	Page
Digital meter for force and pressure measurement	TC1U	406
Measuring adapter VP	MAVP	406
Force sensor, 70 kN	TF70L	406
Gauge and 10 test cylinder	TS10B	

Suitable for	Connection material	Crimping range mm ²	Crimp profile
Tubular cable lugs standard type and tubular cable lugs for switchgear connections		10 - 240	\square
Connectors, Standard type		10 - 120	\square
Tubular cable lugs for fine stranded conductors		10 - 240	\square
Connector for fine stranded conductors		10 - 95	Ξ



HK 60 VP/FT Hand-operated hydraulic crimping tool 16 - 300 mm²

- Suitable for crimping tubular cable lugs and connectors "standard type" and fine and superfine stranded conductors to 300 mm²
- The patented centring system guarantees every time optimum crimping results
- ▶ Closed crimping head ideal for utility lines construction

- Quad-point indent crimping feature with patented centring system, no dies required
- Closed crimping head with bolt interlock, rotatable, flip top style
- Light weight due to high quality aluminum housing
- 2-stage hydraulic system with fast feed and power stroke
- Automatic retraction when crimping is complete
- Manual retract in case of need
- Environmentally-friendly hydraulic oil, quickly biodegradable

Technical data	
Crimping force	55 kN
Crimping range	16 - 300 mm²
Length	535 mm
Weight	4.1 kg
Ambient temperature	-20°C to +40 °C

Item	Part No.	
Hand-operated hydraulic crimping tool 16 - 300 mm ²	HK60VPFT	
Scope of supply	Part No.	Page
Steel carrying case for HK 60 VP or HK 60 VP/FT	MK60VP	
,g		

Accessories	Part No.	Page
Digital meter for force and pressure measurement	TC1U	406
Measuring adapter VP	MAVP	406
Force sensor, 70 kN	TF70L	406
Gauge and 10 test cylinder	TS10B	

Suitable for	Connection material	Crimping range mm ²	Crimp profile
Tubular cable lugs and connectors, standard type, tubular cable lugs for switchgear connections		16 - 300	\square
Tubular cable lugs and connectors for fine stranded conductors		16 - 300	\square







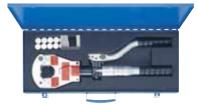
















HK 120/30 Hand-operated hydraulic crimping tool 16 - 400 mm²























- Very large crimping range to 400 mm²
- Up to 60% less crimping operations due to wide crimping compared with 6 t tools

- For interchangeable dies, series 13, wide crimping
- Open C-crimping head, rotatable
- Light weight due to high quality aluminum housing
- 2-stage hydraulic system with fast feed and power stroke
- Automatic retraction when crimping is complete
- Manual retract in case of need
- Environmentally-friendly hydraulic oil, quickly biodegradable

Technical data	
Crimping force	120 kN
Stroke	30 mm
Crimping range	16 - 400 mm²
Length	510 mm
Weight	5.4 kg
Ambient temperature	-20°C to +40 °C

Item	Part No.	
Hand-operated hydraulic crimping tool 10 - 400 mm ²	HK12030	
Scope of supply	Part No.	Page
Steel carrying case for HK 120/42 with space for 15 pairs of crimping dies	MK12042	

Accessories	Part No.	Page
Digital meter for force and pressure measurement	TC1U	406
Measuring adapter, series 13	MA120	406
Force sensor, 130 kN	TF130L	406



Available dies for Series 13 for HK 120/30

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

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	blue connection	16 - 400		442
Tubular cable lugs and connectors, Cu, standard type, tubular cable lugs for switchgear connections		16 - 400		443
Butt connectors, standard type		16 - 185		443
Insulated tubular cable lugs and compression joints, standard type		10 - 150		443
Tubular cable lugs and connectors for fine stranded conductors		16 - 150	\bigcirc	444
Compression cable lugs and connectors acc. to DIN - Cu				
Copper compression cable lugs (DIN 46235) and connectors	DIN	16 - 300		444
Compression joints DIN 46267, part 1	DIN	16 - 150		444
Double compression cable lugs	DIN	2 x 50 - 2 x 95		444
Terminals, connectors and pin terminals acc. to DIN - Cu				
Solderless terminals (DIN 46234) connectors (DIN 46230) and pin terminals acc. to DIN		16 - 150	\bigcirc	445
Insulated solderless terminals		10 - 95	\bigcirc	445
Sleeves for compacted conductors and sector shaped conductors, O	Cu			
Pre-rounding dies for AI and Cu sector shaped conductors	*	10 sm - 300 se / 300 sm		445
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors	AI	10 - 240		446
Aluminum connectors	AI ST	10 - 120		446
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182, Al conductors DIN EN 50182, 120 - 185 mm ²	Aldrey	25 - 185		446
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	25/4 - 120/20		446
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	25/4 - 120/20		447
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Alicu	10 - 240		446
Clamps				
Clamps, C-type	B	10 - 70		447
Clamps, H-type		70 - 120		447
Cable end-sleeves				
Cable end-sleeves		25 - 240		448
Cable end-sleeves, trapezodial, for fine stranded conductors		25 - 240		448



HK 120/42 Hand-operated hydraulic crimping tool 16 - 400 mm²























- Very large crimping range to 400 mm²
- > Up to 60% less crimping operations due to wide crimping compared with 6 t tools
- ▶ C-head with large 42 mm opening width

- For interchangeable dies, series 13, wide crimping
- Open C-crimping head, rotatable
- Light weight due to high quality aluminum housing
- 2-stage hydraulic system with fast feed and power stroke
- Automatic retraction when crimping is complete
- Manual retract in case of need
- Environmentally-friendly hydraulic oil, quickly biodegradable

Technical data	
Crimping force	120 kN
Stroke	42 mm
Crimping range	16 - 400 mm²
Length	560 mm
Weight	5.9 kg
Ambient temperature	-20°C to +40 °C

Item	Part No.	
Hand-operated hydraulic crimping tool 16 - 400 mm ²	HK12042	
Scope of supply	Part No.	Page
Steel carrying case for HK 120/42 with space for 15 pairs of crimping dies	MK12042	

Accessories	Part No.	Page
Digital meter for force and pressure measurement	TC1U	406
Measuring adapter, series 13	MA120	406
Force sensor, 130 kN	TF130L	406



Available dies for Series 13 for HK 120/42

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		16 - 400		442
Tubular cable lugs and connectors, Cu, standard type, tubular cable lugs for switchgear connections		16 - 400		443
Insulated tubular cable lugs and connectors, insulated pin terminals		10 - 150		443
Tubular cable lugs and connectors for fine stranded conductors		16 - 150	\bigcirc	444
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	16 - 300		444
Double compression cable lugs	DIN	2 x 50 - 2 x 95		444
Terminals, connectors and pin terminals acc. to DIN - Cu				
Solderless terminals (DIN 46234) connectors and pin terminals (DIN 46230), (DIN 46341)		16 - 150	\bigcirc	445
Insulated solderless terminals		10 - 95	\bigcirc	445
Pre-rounding crimping dies				
Pre-rounding dies for AI and Cu sector shaped conductors		10 sm - 300se / 300 sm		445
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN	AI	10 - 240		446
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182, Al conductors DIN EN 50182, 120 - 185 mm ²	Aldrey	25 - 185		446
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	25/4 - 120/20		446
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	25/4 - 120/20		447
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	AliCu	10 - 240		446
Clamps				
Clamps, C-type	E	10 - 70		447
Clamps, H-type		70 - 120		447
Cable end-sleeves				
Cable end-sleeves		25 - 240		448
Cable end-sleeves, trapezodial, for fine stranded conductors		25 - 240		448

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





HK 120 U Hand-operated hydraulic crimping tool 16 - 400 mm²





















- H-head for deep groove crimping
- > Up to 60% less crimping operations due to wide crimping compared with 6 t

- For interchangeable dies, series 13, wide crimping
- Closed H-crimping head, rotatable
- Light weight due to high quality aluminum housing
- 2-stage hydraulic system with fast feed and power stroke
- Automatic retraction when crimping is complete
- Manual retract in case of need
- Environmentally-friendly hydraulic oil, quickly biodegradable

Technical data	
Crimping force	120 kN
Stroke	20 mm
Crimping range	16 - 400 mm²
Length	540 mm
Weight	5.2 kg
Ambient temperature	-20°C to +40 °C

Item	Part No.	
Hand-operated hydraulic crimping tool 16 - 400 mm ²	HK120U	
Scope of supply	Part No.	Page
Steel carrying case for HK 120 U	MK120U	
with space for 11 pairs of crimping dies		

Accessories	Part No.	Page
Digital meter for force and pressure measurement	TC1U	406
Measuring adapter, series 13	MA120	406
Force sensor, 130 kN	TF130L	406



Available dies for Series 13 for HK 120 U

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	blue connection	16 - 400		442
Tubular cable lugs and connectors, Cu, standard type, tubular cable lugs for switchgear connections		16 - 400		443
Insulated cable lugs and compression joints, standard type		10 - 150		443
Tubular cable lugs and connectors for fine stranded conductors		16 - 150	\bigcirc	444
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	16 - 300		444
Double compression cable lugs	DIN	2 x 50 - 2 x 95		444
Terminals, connectors and pin terminals acc. to DIN - Cu				
Solderless terminals (DIN 46234) connectors and pin terminals (DIN 46230) acc. to DIN, solderless connectors (DIN 46341) Cu	O	16 - 150	\bigcirc	445
Insulated solderless terminals		10 - 95	\bigcirc	445
Sleeves for compacted conductors and sector shaped conductors,	Cu			
Pre-rounding dies for AI and Cu sector shaped conductors	*	10 sm - 300 se / 300 sm		445
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN	AI	10 - 240		446
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		446
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	25/4 - 120/20		446
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	25/4 - 120/20		447
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10 - 240		446
Clamps				
Clamps, C-type		10 - 70		447
Clamps, H-type		70 - 120		447
Cable end-sleeves				
Cable end-sleeves		25 - 240		448
Cable end-sleeves, trapezodial, for fine stranded conductors		25 - 240	\square	448

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





High cutting performance, less force.

Hand-operated hydraulic cutting tools:

Hand-operated Klauke cutting tools process flexible, multistranded, armoured and solid Cu and Al cables, as well as Al/St ropes quickly, conveniently and safely. The ergonomic design and low weight of these tools mean the user needs less effort and staying power.

The 2-stage hydraulics combine a fast feed, power stroke upon reaching counter pressure and automatic retraction function. When the cutting operation is complete, the cutting blades open and move to their original position.



- the cutting operation.
- Cutting tools to 85 mm dia.
- Type-dependent cutting force to 120 kN.

■ Hand-operated hydraulic cutting tools: **compact, innovative and safe.**

- 2-stage hydraulics with fast feed and power stroke during operation and automatic retraction when the crimp is complete or the cable has been cut.
- Ergonomic design and lightweight.
- Rotating heads.

Benefits:

- More safety and shorter intervals between crimping operations thanks to the automatic retraction function.
- Design and weight facilitate effortless operations.
- Safe to work under difficult spatial conditions thanks to the rotating heads.
- Faster cutting with less force with the innovative 2-stage hydraulic function.



■ Fast and safe cutting of **Al/St ropes:** HSG 45 and HSG 55



- Optimised cutting performance.
- > Suitable for cables up to 45 mm dia. and/or 55 mm dia.
- For armoured Cu and Al cables and for Al/St ropes.
- Extremely sturdy cutting heads.

Benefits:

- One tool for diverse applications.
- This cutting head is set apart by its high stability even under extreme load.
- ▶ The tools are suitable as an universal cutting tool for practically every cable up to 55 mm dia.

All hand-operated hydraulic cutting tools at a glance.

	Des	sign				Applica	ation		
Tool	Open head	Closed head	Cutting range mm dia.	Cutting force kN	Cu, Al¹¹	AI / St (ACSR)	Cu / Al, solid	Steel, solid	Features
HSG45		V	45	60	V	V	V	V	Suitable for all standard cables to 45 mm dia steel armoured.
HSG50		~	48	60	V				Compact and lightweight cutting tool.
HSG55		~	55	120	~	~	~	~	With 120 kN cutting force for ACSR ropes to 55 mm dia.
HSG85/2		~	85	60	V				Extremely wide cutting range.

¹⁾ This column also includes Cu / Al multi-stranded and Cu / Al with sheet metal and wire armouring.





HSG 45 Hand-operated hydraulic cutting tool 45 mm dia.























ESG45EF

ESG45ES1

- Cuts armoured copper and aluminum cables and Al/St cables (ACSR)
- Also suitable for round material made of Al, Cu and Steel
- Extremely sturdy design

- Closed cutting head with bolt interlock, rotatable, flip top style
- Light weight due to high quality aluminum housing
- 2-stage hydraulic system with fast feed and power stroke
- Automatic retraction when cut is complete
- Manual retract in case of need
- Environmentally-friendly hydraulic oil, quickly biodegradable

Technical data		
Cutting range	max. 45 mm dia.	
Cutting force	60 kN	
Length	560 mm	
Weight	4.9 kg	
Ambient temperature	-20°C to +40 °C	
Item		Part No.
District and according to the other district.	10' 11 45 1'-	110045

Item	Part No.	
Hand-operated hydraulic cutting tool 45 mm dia.	HSG45	
Scope of supply	Part No.	Page
Steel carrying case for HSG 45 or HSG 50	MK50	

Accessories	Part No.	Page
Outer fixed blade	ESG45EF	
Inner moving blade	ESG45ES1	



HSG 50 Hand-operated hydraulic cutting tool 48 mm dia.

- Cuts copper and aluminum cables with light weight steel armouring (depending on cable type)
- Lightweight for effortless operations

Characteristics

- Closed cutting head, flip top style, rotatable
- Light weight due to high quality aluminum housing
- 2-stage hydraulic system with fast feed and power stroke
- Automatic retraction when cut is complete

Steel carrying case for HSG 45 or HSG 50

- Manual retract in case of need
- Environmentally-friendly hydraulic oil, quickly biodegradable

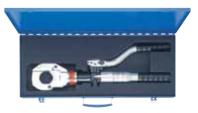
Technical data			
Cutting range	max. 48 mm dia.		
Cutting force	60 kN		
Length	540 mm		
Weight	3.5 kg		
Ambient temperature	-20°C to +40 °C		
Item		Part No.	
Hand-operated hydraulic c	utting tool 48 mm dia.	HSG50	
Scone of cumply		Part No.	Page

Accessories	Part No.	Page
Inner moving blade	ESG50ES	
Outer fixed blade	ESG50EF1	





MK50







301



HSG 55 Hand-operated hydraulic cutting tool 55 mm dia.

























- Cuts armoured copper and aluminum cables and Al/St cables (ACSR)
- Also suitable for round material made of Al, Cu and Steel
- 120 kN cutting force for maximum output

- Closed cutting head with bolt interlock, rotatable, flip top style
- Light weight due to high quality aluminum housing
- 2-stage hydraulic system with fast feed and power stroke
- Automatic retraction when cut is complete
- Manual retract in case of need
- Environmentally-friendly hydraulic oil, quickly biodegradable

Technical data			
Cutting range	max. 55 mm dia.		
Cutting force	120 kN		
Length	approx. 605 mm		
Weight	7.3 kg		
Ambient temperature	-20°C to +40 °C		
Item		Part No.	
Hand-operated hydraulic cutting	tool 55 mm dia.	HSG55	
Scope of supply		Part No.	Page
Steel carrying case for HSG 55		MKHSG55	

Accessories	Part No.	Page
Inner moving blade	ESG55ES	
Outer fixed blade	ESG55EF	



HSG 85/2 Hand-operated hydraulic cutting tool 85 mm dia.

- Cuts copper and aluminum cables with light weight steel armouring (depending on cable type)
- Large cutting range
- ▶ High user safety through cutting head with bolt interlock

- Closed cutting head with bolt interlock, rotatable, flip top style
- Light weight due to high quality aluminum housing
- 2-stage hydraulic system with fast feed and power stroke
- Automatic retraction when cut is complete
- Manual retract in case of need
- Environmentally-friendly hydraulic oil, quickly biodegradable

Technical data	
Cutting range	max. 85 mm dia.
Cutting force	60 kN
Length	approx. 677 mm
Weight	5.9 kg
Ambient temperature	-20°C to +40 °C

Item	Part No.	
Hand-operated hydraulic cutting tool 85 mm dia.	HSG852	
Scope of supply	Part No.	Page
Scope of Supply	rait No.	raye

Accessories	Part No.	Page
Outer fixed blade	ESG85EF1	
Inner moving blade	ESG85ES1	











ESG85ES1



More intelligence. More performance. And more ergonomic.



Generation Safety Plus.

Battery powered hydraulic crimping and cutting tools are the most convenient solution for crimping and cutting applications. The required force is generated at the touch of a button. The tools require only one-hand operation.

The tools in the Ultra and Ultra+ series feature a two-stage hydraulic system that automatically switches to power stroke after a fast feed. With all Klauke tools, the automatic retract function starts automatically after successful crimping or cutting, and can be stopped again by pressing the switch (MRS).

The automatic retract stop function (ARS) is especially convenient, for quickly making multiple crimps for full tension connections, for instance.

Thanks to the new 2-component housing, the tools sit even better in the hand - pressure points and tool slippage are practically impossible.



2K

- The latest tool generation with Intelligent Pressing System IPS.
- Convenient one-button operating concept.
- High-performance 18 Volt Li-ion batteries with extremely short charging time.

The new generation of our battery powered hydraulic tools features an integrated pressure sensor determining the pressure reached during each crimping operation. This Intelligent Pressing System - IPS for short - indicates deviations immediately by optical and acoustic signals. Making your work

with Klauke tools even safer.

The hydraulic oil in our tools is considered to be environmentallyfriendly and quickly biodegradable.

■ At a glance: Battery powered hydraulic tools made by Klauke.

With the 3 series of the Safety Plus generation and the established Klauke® mini, Klauke's product range is the most extensive on the market!

KlauKe®mini



- NiMH batteries
- Low weight
- Fast crimping cycles
- **Automatic retraction**

KIBUKE [®]ultra



- Intelligent (IPS)
- With crimping tools: Automatic retract stop (ARS)
- For cutting tools with manual retract stop (MRS)
- 2-stage hydraulics

Klauke®mini+



- ▶ 18 V Li-ion technology
- Intelligent Pressing System (IPS)
- Large crimping and cutting range with low weight

KlauKe®ultra+



- For crimping tools that make up to 60% fewer crimps thanks to wide crimping
- Ergonomic design with 2-component handle area and optimum centre of gravity for effortless operations

■ High-performance: 18 Volt Li-ion technology.

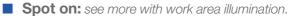
- ▶ Powerful 18 V Li-ion batteries with high capacity.
- Extremely short charging time with innovative charging technology.
- ▶ Batteries have very low self-discharging effect.
- Powerful motors for maximum performance.

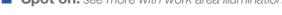
Benefits:

- > The high energy density of the Li-ion batteries allows more operations per charge than with conventional batteries.
- The extremely short charging time of 15 min (RAL1) or 22 min (RAL2) minimise waiting time.
- The low self-discharge means practically continuous tool availability.
- The powerful motors permit even faster operations a benefit that should not be underestimated.
- All Mini tools have a sound pressure level of 70.6 dB(A), all Safety Plus generation tools are less than 70 dB(A), measured at a distance of 1 m. The vibrations on the tools much lower than 2.5m/s².









Integrated high-performance LED for work area illumination.

- Optimised, balanced tool housing.



- The integrated high-power LED provides optimum illumination in all working areas and ensures additional safety and comfort.
- The balanced tool housing makes handling much easier effortless work is quaranteed.





At the touch of a button:

Full force ahead!



Battery powered hydraulic crimping tools.

Battery powered Klauke crimping tools effortlessly make safe electrical connections. And thanks to their powerful 18 V Li-ion batteries and ergonomic product design, long periods of operation do not present a problem.

Klauke offers the right battery powered solution for the most diverse fields of application. For example, the Klauke® ultra+ is able to crimp conductors with cross-sections to 400 mm² at 120 kN. The Klauke mini+ is especially slim, and excels even in tight spaces.



Interface to the PC



The separate USB adapter PGA1 enables the data of all crimping operations to be readout for quality control via the optical interface and output as a PDF document on the laptop or PC.

■ Save time and energy –

with the retract stop function.

The retract stop function stops the automatic retraction on completion of a crimping operation - fully-automatic (ARS) for all crimping tools with 60 kN and 120 kN crimping force.

Benefits:

For multiple applications, the ARS function allows the crimping tools to open automatically as far as needed for the next crimping operation to be started - with no time lost.



- Intelligent Pressing System (IPS).
- Automatic retract stop (ARS).
- Crimping tools from 10 kN to 120 kN crimping force.
- Nominal cross sections up to 400 mm².

■ Mini with added value: Klauke mini+, the new generation.



- All benefits of the established Klauke® mini design now available as 4, 5 or 6-ton tool.
- Wide crimping range to 300 mm² (EKM 60/22-L).
- Additional technical features: integrated pressure measurement, 2-component housing, work area illumination, 18 V Li-ion technology, 18 V mains adapter NG 2/230 (accessories).







Benefits:

The Klauke® mini+ combines a host of established benefits with the technical features of the new Safety Plus generation - making work even in the tightest spaces even more efficient and, thanks to Intelligent Pressing System (IPS), safer too.



 At 300 mm², the Klauke® mini+ has the widest crimping range for rod-shaped crimping tools, thereby guaranteeing optimised productivity.

■ KLAUKE® ultra - ultra safe, ultra efficient.









- All tools with Intelligent Pressing System (IPS).
- 4-point indent crimping with Klauke's patented centring system and automatic retract stop (ARS) - the ideal solution for crimping tubular cable lugs on fine and superfine stranded conductors.







More from Page 324.

Benefits:

- ▶ The 6-ton tools are comparatively lightweight and hence easy to handle.
- The guide system guarantees highest user safety since conductor and connecting material remain centred during crimping operation and bad crimps are practically excluded.
- ARS saves you time and energy as the piston stroke is reduced to a minimum during subsequent crimping operations.





■ KLAUKE® ultra+: the Power-Plus packages.

- ▶ 12-ton tools in the Klauke® ultra+ series for 13-series dies, for deep groove crimps and dieless indent crimps.
- **Wide crimping** with dies from the Klauke 13-series.
- With IPS, ARS, more powerful motors and balanced housing for more intelligence, more power and more comfort.

Benefits:

- The wide crimping profiles of the 13-series dies require up to 60% fewer crimps than the narrow crimping profiles of 6-ton tools.
- The new features and characteristics make the use of our crimping tools much simpler and, thanks to IPS, safer too.



















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











AUTO









- Steel head for extreme long life time
- > Optimum crimping due to parallel guided crimping dies

- For interchangeable dies, series 50
- Open crimping head, rotatable
- One-button operating concept for controlling all tooling functions
- Ergonomic design for convenient one-hand operation
- Lightweight for effortless operations
- Powerful NiMH battery technology
- Fast crimping cycles for efficient operations
- Quick motor stop for high user safety
- Automatic retraction when crimping is complete
- Manual retract in case of need
- 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	13 kN	
Stroke / opening width	9 mm	
Crimping range	0.75 - 10 mm ²	
Crimping cycle	approx. 2 s	
Number of crimps	approx. 220 at 10 mm ² Cu	
Battery voltage	9.6 V	
Battery capacity	2.0 Ah, NiMH	
Charging time	With fast charger 15 min., otherwise 40 min.	
Weight incl. battery	1.6 kg	
Ambient temperature	-20°C to +40 °C	

Item Battery powered hydraulic crimping tool 0.14 - 16 mm²	Part No. EK1550	
Scope of supply Battery 9.6 V / 2.0 Ah, NiMH (19.6 Wh)	Part No. RAM2	Page 397
Charger for NiCd and NiMH batteries	LG4F	399
Plastic case 450 x 370 x 105 mm	KK35B2	

Accessories	Part No.	Page
Battery 9.6 V / 3.0 Ah, NiMH (28.8 Wh)	RAM3	397
USB adapter	PGA1	408
Digital meter for force and pressure measurement	TC1U	406
Measuring adapter, series 50	MA50	406
Force sensor, 70 kN	TF70L	406
Quick charger for NiCd and NiMH batteries, 230 V mains power	LG5	399



Available dies for Series 50 for EK 15/50

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		0.75 - 10	\bigcirc	414
Tubular cable lugs and connectors for solid conductors, Cu		1.5 - 10		414
Terminals, connectors and pin terminals acc. to DIN - Cu				
Solderless terminals (DIN 46234) and pin terminals (DIN 46230) connectors (DIN 46341)		0.5 - 10	\bigcirc	414
Insulated solderless terminals, insulated pin terminals		0.1 - 16		415
Cable end-sleeves				
Cable end-sleeves		0.14 - 50		414
Cable connections, insulated and non-insulated				
Insulated cable connections, double crimping		0.1 - 6		415
Insulated cable connections, single crimping		0.5 - 16		415
Non insulated receptacles		0.25 - 6	\odot	415
for pin and shielded receptacles, BNC connectors for coax cables RG 58,59,60 and 71				415
Turned pin connectors, pin receptacles		0.1 - 4	4	415

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





EK 15/50 G Battery powered crimping tool 0.14 - 50 mm²



















▶ Slim crimping head - ideal when space is critical

- For interchangeable dies, series 50
- Open crimping head, rotatable
- One-button operating concept for controlling all tooling functions
- Ergonomic design for convenient one-hand operation
- Lightweight for effortless operations
- Powerful NiMH battery technology
- Fast crimping cycles for efficient operations
- Quick motor stop for high user safety
- Automatic retraction when crimping is complete Manual retract in case of need
- 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	13 kN
Stroke / opening width	9 mm
Crimping range	0.14 - 50 mm ²
Crimping cycle	approx. 2 s
Number of crimps	approx. 220 at 10 mm ² Cu
Battery voltage	9.6 V
Battery capacity	2.0 Ah, NiMH
Charging time	With fast charger 15 min., otherwise 40 min.
Weight incl. battery	1.6 kg
Ambient temperature	-20°C to +40 °C

Item Battery powered hydraulic crimping tool 0.14 - 16 mm ²	Part No. EK1550G	
Scope of supply Battery 9.6 V / 2.0 Ah, NiMH (19.6 Wh)	Part No. RAM2	Page 397
Charger for NiCd and NiMH batteries	LG4F	399
Plastic case 450 x 370 x 105 mm	KK35B2	

Accessories	Part No.	Page
Battery 9.6 V / 3.0 Ah, NiMH (28.8 Wh)	RAM3	397
USB adapter	PGA1	408
Digital meter for force and pressure measurement	TC1U	406
Measuring adapter, series 50	MA50	406
Force sensor, 70 kN	TF70L	406
Quick charger for NiCd and NiMH batteries, 230 V mains power	LG5	399



Available dies for Series 50 for EK 15/50 G

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		0.75 - 10	\bigcirc	414
Tubular cable lugs and connectors for solid conductors, Cu	0	1.5 - 10		414
Terminals, connectors and pin terminals acc. to DIN - Cu				
Solderless terminals (DIN 46234) and pin terminals (DIN 46230) Cu, connectors (DIN 46341) Cu		0.5 - 10	\bigcirc	414
Insulated solderless terminals, insulated pin terminals		0,1 - 16		415
Cable end-sleeves				
Cable end-sleeves		0.14 - 50		414
Cable connections, insulated and non-insulated				
Insulated cable connections, double crimping		0.1 - 6		415
Insulated cable connections, single crimping		0.5 - 16		415
Non insulated receptacles		0.25 - 6	\odot	415
for pin and BNC connectors for coax cables RG 58, 59, 62 and 71				415
Turned pin connectors, pin receptacles		0.1 - 4	4	415

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





EKP 1 Battery powered crimping tool 0.14 - 16 mm²























- Basic tool, Klauke Pro-Series
- Easy change of crimping heads without tools

- Compatible with all crimping heads of the Klauke Pro-Series
- Crimping heads rotatable
- One-button operating concept for controlling all tooling functions
- Ergonomic design for convenient one-hand operation
- Lightweight for effortless operations
- Powerful NiMH battery technology
- Fast crimping cycles for efficient operations
- Quick motor stop for high user safety
- Automatic retraction when crimping is complete
- Manual retract in case of need
- 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	10 kN
Stroke / opening width	9 mm
Crimping range	0.5 - 10 mm ²
Crimping cycle	approx. 2 s
Number of crimps	approx. 220 at 10 mm ² Cu
Battery voltage	9.6 V
Battery capacity	2.0 Ah, NiMH
Charging time	With fast charger 15 min., otherwise 40 min.
Weight incl. battery	1.3 kg
Ambient temperature	-20°C to +40 °C

Item	Part No.	
Battery powered hydraulic crimping tool 0.14 - 16 mm ²	EKP1	
Scope of supply	Part No.	Page
Battery 9.6 V / 2.0 Ah, NiMH (19.6 Wh)	RAM2	397
Charger for NiCd and NiMH batteries	LG4F	399
Plastic case 450 x 370 x 105 mm	KKEKP1B	

Accessories	Part No.	Page
Quick charger for NiCd and NiMH batteries, 230 V mains power	LG5	399
Battery 9.6 V / 3.0 Ah, NiMH (28.8 Wh)	RAM3	397
USB adapter	PGA1	408



	Suitable for	Crimping range mm ²	Crimp profile	Part No.
Crimping heads	for cable end-sleeves			
. 15	Cable end-sleeves, trapezoid crimping	0.14 - 6		KP312
	Cable end-sleeves, square crimping	0.14 -10	\Diamond	KP303
	Cable end-sleeves, square crimping	10 - 16	\Diamond	KP304
-	Cable end-sleeves, round crimping	0.14 - 2.5		KP350
-	Cable end-sleeves, round crimping for narrow chamber sizes	1.5 - 6		KP351
	Cable end-sleeves, round crimping for narrow chamber sizes	10 - 16		KP352
	Cable end-sleeves DIN 46228, part 2, roll-crimping	0.5 - 2.5	8	KP66
Crimping heads	for insulated cable connections			
m	Insulated cable connections (yellow and red)	0.1 - 1		KP80
n	Insulated cable connections (red and blue)	0.5 - 2.5		KP81
	Insulated cable connections (red, yellow, blue)	0.5 - 6		KP82
m	Insulated cable connections (yellow)	4 - 6		KP83
Crimping heads	for tubular cable lugs and terminals			
n	Tubular cable lugs and solderless terminals	0.5 - 6	\bigcirc	KP232
n-	Tubular cable lugs and solderless terminals	4 - 10	\bigcirc	KP242
Crimping heads	for photovoltaic			
-	Connector for photovoltaics 3 mm dia.	2.5 - 4		KP90MC31
Crimping heads	for receptacles			
	Part No. 3720. Receptacles 6.3 x 0.8 mm with lateral conductor connector	0.5 - 1	\odot	KP631
	Part No. 3725, receptacles $6.3 \times 0.8 \ \text{mm}$ with lateral conductor connector	0.5 - 1.5	\bigcirc	KP64
	Part No. 3735, receptacles $6.3 \times 0.8 \ \text{mm}$ with lateral conductor connector	1.5 - 2.5	\odot	KP632
	For receptacles 2.8 mm tab width	0.1 - 1	\odot	KP67
-	For receptacles 4.8 mm tab width	0.5 - 2.5	8	KP65
	For receptacles 6.3 mm tab width	0.5 - 2.5	<u> </u>	KP68





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





























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

- For interchangeable dies, series 4, narrow crimping
- Closed crimping head, flip top style, rotatable
- One-button operating concept for controlling all tooling functions
- Ergonomic design for convenient one-hand operation
- Lightweight for effortless operations
- Powerful NiMH battery technology
- Fast crimping cycles for efficient operations
- Quick motor stop for high user safety
- Automatic retraction when crimping is complete
- Manual retract in case of need
- 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	35 kN
Stroke / opening width	9 mm
Crimping range	6 - 150 mm²
Crimping cycle	3 s to 4 s (depending on cross-section)
Number of crimps	approx. 140 at 120 mm ² Cu
Battery voltage	9.6 V
Battery capacity	2.0 Ah, NiMH
Charging time	With fast charger 15 min., otherwise 40 min.
Weight incl. battery	1.7 kg
Ambient temperature	-20°C to +40 °C

Item Battery powered hydraulic crimping tool 6 - 150 mm ²	Part No. EK354	
Scope of supply Battery 9.6 V / 2.0 Ah, NiMH (19.6 Wh)	Part No. RAM2	Page 397
Charger for NiCd and NiMH batteries	LG4F	399
Plastic case 450 x 370 x 105 mm	KK35B2	

Accessories	Part No.	Page
Digital meter for force and pressure measurement	TC1U	406
Battery 9.6 V / 3.0 Ah, NiMH (28.8 Wh)	RAM3	397
USB adapter	PGA1	408
Measuring adapter, series 4	MA4	406
Force sensor, 70 kN	TF70L	406
Quick charger for NiCd and NiMH batteries, 230 V mains power	LG5	399

Variants	Part No.	Page
EK 35/4 with crimping die set HR 4 from 6 - 150 mm ²	EK354SETHR	
EK 35/4 with crimping die set HD 4 from 6 - 120 mm ²	EK354SETHD	



Available dies for Series 4 for EK 35/4

6 - 150 6 - 150 10 - 70		416	
6 - 150		416	
		410	
10 - 70		417	
		417	
10 - 35	\bigcirc	418	
1.5 - 16		418	
0.5 - 16	\bigcirc	418	
0.5 - 16	\bigcirc	418	
6 - 120		418	
10 - 35	\bigcirc	419	
10 - 16	\bigcirc	419	
Sleeves for compacted conductors and sector shaped conductors, Cu			
10 sm - 150 se /120 sm		419	
Aluminum Compression cable lugs and connectors acc. to DIN			
10 - 70		420	
25 - 50		420	
10 - 70		420	
4 - 35		420	
10 - 50		420	
2 x 4 - 2 x 16		421	
10 - 50	\square	421	
2 x 4 - 2 x 16	\square	421	
	2 x 4 - 2 x 16 10 - 50	2 x 4 - 2 x 16	



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



























18 v









- Large cross section range up to 150 mm²
- ▶ Slim crimping head ideal when space is critical
- High-performance 18V Lithium-ion battery with high capacity and extremely short charging time
- Equally efficient and safe working due to the benefits of Generation Safety Plus

- For interchangeable dies, series 4, 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 for comfortable and safe one-hand operation
- Lightweight for effortless operations
- LED for workplace illumination
- High-performance motors for fast crimping cycles and efficient operations
- 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
- 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	35 kN
Stroke	9 mm
Crimping range	6 - 150 mm²
Crimping cycle	3 s to 4 s (depending on cross-section)
Number of crimps	approx. 140 at 120 mm ² Cu
Battery voltage	18 V
Battery capacity	1.3 Ah, Li-lon
Charging time	15 min.
Weight incl. battery	2.5 kg
Ambient temperature	-10°C to +40 °C

Item	Part No.	
Battery powered hydraulic crimping tool 6 - 150 mm ²	EK354L	
Scope of supply	Part No.	Page
Battery 18 V / 1.3 Ah, Li-Ion (23.4 Wh)	RAL1	398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Plastic case	KK50L	

Accessories	Part No.	Page
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398
USB adapter	PGA1	408
Digital meter for force and pressure measurement	TC1U	406
Measuring adapter, series 4	MA4	406
Force sensor, 70 kN	TF70L	406
18 V mains adapter for 240 V Voltage	NG2230	399

Variants	Part No.	Page
L-BOXX with battery powered hydraulic crimping tool EK354L, 0.5	LB0XXEK354L	
- 150 mm ²		



Available dies for Series 4 for EK 35/4-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	blue connection	6 - 150		416
Tubular cable lugs and connectors, Cu, standard type, tubular cable lugs for switchgear connections		6 - 150		417
Insulated tubular cable lugs and compression joints, standard type, insulated pin terminals		10 - 70		417
Tubular cable lugs and connectors for fine stranded conductors		10 - 35	\bigcirc	418
Tubular cable lugs and compression joints for solid conductors	0	1.5 - 16		418
Tubular cable lugs and connectors, Ni, stainless steel				
Tubular cable lugs and connectors, stainless steel	VA	0.5 - 16	\bigcirc	418
Tubular cable lugs and connectors, Ni	Ni SSI	0.5 - 16	\bigcirc	418
Copper compression cable lugs and connectors acc. to DIN				
Copper compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	6 - 120		418
Terminals, connectors and pin terminals acc. to DIN - Cu				
Solderless terminals (DIN 46234) and pin terminals (DIN 46230) Cu, connectors (DIN 46341) Cu		10 - 35	\bigcirc	419
Insulated solderless terminals and pin terminals		10 - 16	\bigcirc	419
Sleeves for compacted conductors and sector shaped conductors, Cu				
Pre-rounding crimping dies for Al and Cu sector shaped conductors		10 sm - 150 se / 120 sm		419
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN	Al	10 - 70		420
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182	Aldrey	25 - 50		420
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10 - 70		420
Clamps				
Clamps, C-type	E	4 - 35		420
Cable end-sleeves				
Cable end-sleeves		10 - 50		420
Twin cable end-sleeves		2 x 4 - 2 x 16		421
Cable end-sleeves, trapezodial, for fine stranded conductors		10 - 50		421
Twin cable end-sleeves, trapezodial, for fine stranded conductors		2 x 4 - 2 x 16		421
Please observe the restrictions in the technical index when crimpin	ig connectors!			





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

























18 v









- High-performance crimping tool of the Klauke mini+ series very large crimp range up to 240 mm² (tubular cable lugs only)
- Increased safety, performance and comfort through "Intelligent Pressing System" (IPS)
- Up to 95 mm² just one die for processing of 2 cross sections only for tubular and compression cable lugs and connectors

- For interchangeable dies, series 5, 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
- Lightweight for effortless operations
- LED for workplace illumination
- High-performance 18V Li-ion battery with high capacity
- High-performance motors for fast crimping cycles and efficient operations
- 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
- 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	50 kN
Stroke / opening width	12 mm
Crimping range	6 - 240 mm ²
Crimping cycle	4 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	1.3 Ah, Li-Ion
Charging time	480 x 500 x 360 min.
Weight incl. battery	2.4 kg
Ambient temperature	-10°C to +40 °C

Item Battery powered hydraulic crimping tool 6 - 240 mm ²	Part No. EK505L	
Scope of supply Battery 18 V / 1.3 Ah, Li-lon (23.4 Wh)	Part No. RAL1	Page 398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Plastic case	KK50L	

Accessories	Part No.	Page
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398
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 5	MA5	406
Force sensor, 70 kN	TF70L	406

Variants	Part No.	Page
EK 50/5-L with crimping die set HR 5 from 6 - 240 mm²	EK505LSETHR	
EK 50/5-L with crimping die set HD 5 from 6 - 185 mm ²	EK505LSETHD	
L-BOXX with battery powered hydraulic crimping tool EK505L, 6 - 240 mm²	LB0XXEK505L	



Available dies for Series 5 for EK 50/5-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	blue connection	6 - 185		422
Tubular cable lugs and connectors, Cu, standard type		6 - 240		422
Insulated tubular cable lugs and connectors, insulated pin terminals		10 - 95		423
Tubular cable lugs and connectors for fine stranded conductors		10 - 50	\bigcirc	423
Compression cable lugs and connectors acc. to DIN - Cu				
Copper compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	6 - 185		423
Terminals, connectors and pin terminals acc. to DIN - Cu				
Solderless terminals (DIN 46234) and pin terminals (DIN 46230)		10 - 50	\bigcirc	424
Sleeves for compacted conductors and sector shaped conductors,	Cu			
Pre-rounding crimping dies for Al and Cu sector shaped conductors		10 sm - 300 se / 240 sm		424
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN	AI	10 - 150		425
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182	Aldrey	25 - 95		425
Clamps				
Clamps, C-type	E	16 - 35		425
Cable end-sleeves				
Cable end-sleeves		10 - 95		425
Twin cable end-sleeves		2 x 4 - 2 x 16		426
Cable end-sleeves, trapezodial, for fine stranded conductors		10 - 95		426
Twin cable end-sleeves, trapezodial, for fine stranded conductors		2 x 4 - 2 x 16		426

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



EK 50/18-L Battery powered crimping tool 6 - 185 mm²





































- Increased safety, performance and comfort through "Intelligent Pressing System" (IPS)
- With automatic retract stop (ARS) for fast crimping cycles

- For interchangeable dies, series 18, narrow crimping
- Open C-crimping head, 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
- Lightweight for effortless operations
- LED for workplace illumination
- High-performance 18V Li-ion battery with high capacity
- High-performance motors for fast crimping cycles and efficient operations
- 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	50 kN
Stroke / opening width	17 mm
Crimping range	6 - 185 mm ²
Crimping cycle	5 s to 6 s (depending on cross-section)
Number of crimps	approx. 160 at 150 mm ² Cu DIN
Battery voltage	18 V
Battery capacity	1.3 Ah, Li-lon
Charging time	15 min.
Weight incl. battery	2.8 kg
Ambient temperature	-10°C to +40 °C

Item Battery powered hydraulic crimping tool 6 - 185 mm²	Part No. EK5018L	
Scope of supply Battery 18 V / 1.3 Ah, Li-lon (23.4 Wh)	Part No. RAL1	Page 398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Plastic case	KK50L	

Accessories	Part No.	Page
Battery 18 V / 3.0 Ah, Li-Ion (54 Wh)	RAL2	398
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 18	MA18	406
Force sensor, 70 kN	TF70L	406



Available dies for Series 18 for EK 50/18-L

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		6 - 185		427
Insulated tubular cable lugs and compression joints, insulated pin terminals		10 - 95		427
Tubular cable lugs and connectors for fine stranded conductors		10 - 50	\bigcirc	428
Tubular cable lugs and connectors for solid conductors		1.5 - 16		428
Compression cable lugs and connectors acc. to DIN - Cu				
Copper compression cable lugs (DIN 46235) and compression joints (DIN 46267, part 1)	DIN	6 - 185		428
Terminals, connectors and pin terminals acc. to DIN - Cu				
Solderless terminals (DIN 46234) and pin terminals (DIN 46230), solderless connectors (DIN 46341) Cu		10 - 70	\bigcirc	429
Insulated solderless terminals and pin terminals		10 - 50	\bigcirc	429
Sleeves for compacted conductors and sector shaped conductors,	Cu			
Pre-rounding crimping dies for AI and Cu sector shaped conductors	*	10 sm - 240 se / 185 sm		429
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN	AI	10 - 185		430
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182	Aldrey	25 - 95		430
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10 - 185		430
Clamps				
Clamps, C-type	E	4 - 50		430
Cable end-sleeves				
Cable end-sleeves		10 - 95		431
Twin cable end-sleeves		2 x 4 - 2 x 16		431
Cable end-sleeves, trapezodial, for fine stranded conductors		10 - 95		431
Twin cable end-sleeves, trapezodial, for fine stranded conductors		2 x 4 - 2 x 16		432
Cutting die				
Cutting range 18 mm		18 mm dia.		432

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



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





































- ▶ Large crimping range up to 300 mm²
- ▶ Slim crimping head ideal when space is critical
- Automatic retract stop (ARS) for positioning control in case of multiple crimpings

- 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 for comfortable and safe one-hand operation
- Balanced centre of gravity for easy handling and effortless operations
- LED for workplace illumination
- High-performance 18V Lithium-ion battery with high capacity and extremely short charging time
- High-performance motors for maximum operating speed
- 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	17.5 mm
Crimping range	6 - 300 mm²
Crimping cycle	2 s (for ARS) to 5 s (depending on cross-section)
Number of crimps	approx. 150 - 200 at 150 mm ² Cu DIN
Battery voltage	18 V
Battery capacity	1.3 Ah, Li-Ion
Charging time	15 min.
Weight incl. battery	3.0 kg
Ambient temperature	-10°C to +40 °C

Item Battery powered hydraulic crimping tool 6 - 300 mm ²	Part No. EKM6022L	
Scope of supply Battery 18 V / 1.3 Ah, Li-lon (23.4 Wh)	Part No. RAL1	Page 398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Plastic case	KK50L	

Accessories	Part No.	Page
Battery 18 V / 3.0 Ah, Li-Ion (54 Wh)	RAL2	398
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
L-BOXX with battery powered hydraulic crimping tool EKM6022L,	LB0XXEKM6022L	
6 - 300 mm ²		



Available dies for Series 22 for EKM 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	blue connection	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	\bigcirc	435
Tubular cable lugs and connectors for solid conductors	0	1.5 - 16		435
Tubular cable lugs and connectors, Ni, stainless steel				
Tubular cable lugs and connectors, stainless steel	VA STATE OF THE PARTY OF THE PA	0.5 - 16	\bigcirc	435
Tubular cable lugs and connectors, Ni	NI SOL	10 - 50	\bigcirc	435
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	6 - 300		436
Double compression cable lugs	DIN	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	\bigcirc	437
Insulated terminals and pin terminals		10 - 70	\bigcirc	437
Sleeves for compacted conductors and sector shaped conductors, C	Cu			
Pre-rounding crimping dies for Al and Cu sector shaped conductors		10 sm - 300 se / 240 sm		437
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN	AI	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	Aldrey	25 - 185		438
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	25/4 - 120/20		439
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	25/4 - 120/20		439
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10 - 300		438
Clamps				
Clamps, C-type	G	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, trapezodial, for fine stranded conductors		10 - 240		440
Twin cable end-sleeves, trapezodial, for fine stranded conductors		2 x 4 - 2 x 16		441





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-lon battery
- ▶ Large crimping range up to 300 mm²
- ▶ Slim crimping head ideal when space is critical

- 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-lon
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	Part No.	Page
Battery 18 V / 3.0 Ah, Li-Ion (54 Wh)	RAL2	398
Quick-charger for 18V Li-lon 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	



Battery-powered crimping tools

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	blue connection	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	\bigcirc	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	VA CONTRACTOR	0.5 - 16	\bigcirc	435
Tubular cable lugs and connectors, Ni	Ni Si	10 - 50	\square	435
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	6 - 300		436
Double crimping compression cable lugs	DIN	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	\bigcirc	437
Insulated terminals and pin terminals		10 - 70	\bigcirc	437
Sleeves for compacted conductors and sector shaped conductors, C	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	AI	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	Aldrey	25 - 185		438
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	25/4 - 120/20		439
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	25/4 - 120/20		439
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10 - 300		438
Clamps				
Clamps, C-type	E	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, trapezodial, for fine stranded conductors		10 - 240	\square	440
Twin cable end-sleeves, trapezodial, for fine stranded conductors		2 x 4 - 2 x 16		441



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













easy





















Suitable for	Connection material	Crimping range mm ²	Crimp profile
Tubular cable lugs standard type and tubular cable lugs for switchgear connections		10 - 240	\square
Connectors, Standard type		10 - 120	\square
Tubular cable lugs for fine stranded conductors		10 - 240	\square
Connector for fine stranded conductors		10 - 95	\square

- The patented centring system guarantees every time optimum crimping results
- With automatic retract stop (ARS) for fast crimping cycles
- Suitable for crimping tubular cable lugs and connectors "standard type" and fine and superfine stranded conductors to 240 mm²

- Quad-point indent crimping feature with patented centring system, no dies required
- Open crimping head, 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	55 kN
Crimping range	10 - 240 mm²
Crimping cycle	3 s to 6 s (depending on cross-section)
Number of crimps	approx. 300 at 150 mm ² Cu
Battery voltage	18 V
Battery capacity	3.0 Ah, Li-lon
Charging time	22 min.
Weight incl. battery	4.8 kg
Ambient temperature	-12°C to +40 °C

Part No.	
EK60VPL	
Part No.	Page
RAL2	316
LGL1	400
KK120L	
	Part No. RAL2 LGL1

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 VP	MAVP	406
Force sensor, 70 kN	TF70L	406
Gauge and 10 test cylinder	TS10B	



Battery-powered crimping tools

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

- The patented centring system guarantees every time optimum crimping results
- Closed crimping head ideal for utility lines construction
- ▶ With automatic retract stop (ARS) for fast crimping cycles
- Suitable for crimping tubular cable lugs and connectors "standard type" and fine and superfine stranded conductors to 300 mm²

- Quad-point indent crimping feature with patented centring system, no dies required
- Closed crimping head with bolt interlock, rotatable, flip top style
- 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	55 kN	
Crimping range	16 - 300 mm²	
Crimping cycle	3 s to 6 s (depending on cross-section)	
Number of crimps	approx. 300 at 150 mm ² Cu	
Battery voltage	18 V	
Battery capacity	3.0 Ah, Li-lon	
Charging time	22 min.	
Weight incl. battery	4.9 kg	
Ambient temperature	-12°C to +40 °C	

Item Battery powered hydraulic crimping tool 16 - 300 mm²	Part No. EK60VPFTL	
Scope of supply Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	Part No. RAL2	Page 398
Quick-charger for 18V Li-lon 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 VP	MAVP	406
Force sensor, 70 kN	TF70L	406
Gauge and 10 test cylinder	TS10B	







































Suitable for	Connection material	Crimping range mm ²	Crimp profile
Tubular cable lugs and connectors, standard type, tubular cable lugs for switchgear connections		16 - 300	\square
Tubular cable lugs and connectors for fine stranded conductors		16 - 300	\square



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

























Suitable for	Connection material	Crimping range mm ²	Crimp profile
Tubular cable lugs standard type and tubular cable lugs for switchgear connections		16 - 240	\otimes
Tubular cable lugs and connectors for fine stranded conductors		10 - 240	\otimes
Terminals (DIN 46234), connectors (DIN 46341) and pin terminals (DIN 46230) - Cu		10 - 240	\leq
Aluminum compression cable lugs and connectors acc. to DIN	AI	50 - 240	\otimes
Aluminum compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182, Al conductors DIN EN 50182, 120 - 185 mm ²	AI STATE	50 - 185	\otimes
Aluminum compression joints acc. to DIN 48085, part 2 for Al cables acc. to DIN EN 50182	AI SECTION	50 - 240	\otimes
Aluminum/copper compression cable lugs and connectors	Al/Cu	50 - 240	\otimes

- Extra large crimping area due to innovative 2-stage telescopic cylinders (patent pending)
- Indent crimping no die changing required
- Specially developed for fine stranded conductors to VDE 0295 Class 5
- Compact dimensions with an extraordinary low weight

- With innovative 2-stage telescopic cylinder
- Indent crimping no dies required
- 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 and effortless operations
- LED for workplace illumination
- High-performance 18V Li-ion battery with high capacity
- High-performance motors for maximum operating speed
- Quick motor stop for high user safety
- Automatic retraction when crimping is complete
- Manual retract in case of need
- Manual retract stop with "teach-in" (MRS+) for positioning control in case of multiple
- 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	30 - 60 kN
Stroke / opening width	35.5 mm
Crimping range	R-Line: Cu 16 - 240 mm² / Al 50 - 240 mm² Q and F-Line: Cu 10 - 240
Crimping cycle	2 s (for ARS) to 7 s (depending on cross-section)
Number of crimps	approx. 100 - 300
Battery voltage	18 V
Battery capacity	1.3 Ah, Li-lon
Charging time	15 min.
Weight incl. battery	2.5 kg
Ambient temperature	-10°C to +40 °C

Item Battery powered hydraulic crimping tool 10 - 240 mm ²	Part No. EKM60IDL	
Scope of supply Battery 18 V / 1.3 Ah, Li-Ion (23.4 Wh)	Part No. RAL1	Page 398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
L-BOXX with front handle (W/D/H: 442 x 357 x 151 mm)	LB0XX136LFG	

Accessories	Part No.	Page
18 V mains adapter for 240 V Voltage	NG2230	399
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398
USB adapter	PGA1	408



Battery-powered crimping tools

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

- Indent crimping for superfine stranded conductors up to 500 mm²
- No dies required, multi purpose application

- Indent crimping no dies required
- 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 and effortless operations
- 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	108 kN	
Stroke / opening width	52 mm	
Crimping range	35 - 500 mm ²	
Crimping cycle	10 s to 11 s (depending on cross section)	
Number of crimps	approx. 115 at 150 mm ² Cu DIN	
Battery voltage	18 V	
Battery capacity	3.0 Ah, Li-lon	
Charging time	22 min.	
Weight incl. battery	6.8 kg	
Ambient temperature	-12°C to +40 °C	

Item Akkuhydraulisches Presswerkzeug 35 - 500 mm²	Part No. EK120IDL	
Scope of supply	Part No.	Page
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398
Quick-charger for 18V Li-lon 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
Force sensor, 130 kN	TF130L	406











































EK 120/30-L Battery powered crimping tool 16 - 400 mm²





























18v









- Exceptionally easy handling of a 12 ton tool thanks to optimised weight distribution
- ▶ Very large crimping range to 400 mm²
- Up to 60% less crimping operations due to wide crimping compared with 6 t tools

- For interchangeable dies, series 13, wide crimping
- Open C-crimping head, 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	120 kN
Stroke / opening width	30 mm
Crimping range	16 - 400 mm²
Crimping cycle	7 s to 8 s (depending on cross-section)
Number of crimps	approx. 115 at 150 mm ² Cu DIN
Battery voltage	18 V
Battery capacity	3.0 Ah, Li-lon
Charging time	22 min.
Weight incl. battery	6.6 kg
Ambient temperature	-12°C to +40 °C

Item	Part No.	
Battery powered hydraulic crimping tool 16 - 400 mm ²	EK12030L	
Scope of supply	Part No.	Page
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398
Quick-charger for 18V Li-lon 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 13	MA120	406
Force sensor, 130 kN	TF130L	406



Battery-powered crimping tools

Available dies for Series 13 for EK 120/30-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		16 - 400		442
Tubular cable lugs and connectors, Cu, standard type, tubular cable lugs for switchgear connections		16 - 400		443
Butt connectors, standard type		16 - 185		443
Insulated tubular cable lugs and connectors, insulated pin terminals		10 - 150		443
Tubular cable lugs and connectors for fine stranded conductors		16 - 150	\bigcirc	444
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	16 - 300		444
Compression joints DIN 46267 part 1	DIN	16 - 150		444
Double compression cable lugs	DIN	2 x 50 - 2 x 95		444
Terminals, connectors and pin terminals acc. to DIN - Cu				
Terminals (DIN 46234) and pin terminals (DIN 46230) Cu, solderless connectors (DIN 46341) Cu		16 - 150	\bigcirc	445
Insulated terminals and pin terminals		10 - 95	\bigcirc	445
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		445
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN	AI	10 - 240		446
Aluminum connectors	AI	10 - 120		446
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		446
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	24/4 - 120/20		446
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	25/4 - 120/20		447
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10 - 240		446
Clamps				
Clamps, C-type	E	10 - 70		447
Clamps, H-type		70 - 120		447
Cable end-sleeves				
Cable end-sleeves		25 - 240		448
Cable end-sleeves, trapezodial, for fine stranded conductors		25 - 240		448



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







PDF



easy

























- C-Head with 42 mm opening width and very wide crimping range to 400 mm² Up to 60% less crimping operations due to wide crimping compared with 6 t tools
- ▶ Easy handling by optimum weight distribution

- For interchangeable dies, series 13, wide crimping
- Open C-crimping head, 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	120 kN
Stroke / opening width	42 mm
Crimping range	16 - 400 mm²
Crimping cycle	8 s to 9 s (depending on cross-section)
Number of crimps	approx. 115 at 150 mm ² Cu DIN
Battery voltage	18 V
Battery capacity	3.0 Ah, Li-lon
Charging time	22 min.
Weight incl. battery	6.8 kg
Ambient temperature	-12°C to +40 °C

Item Battery powered hydraulic crimping tool 16 - 400 mm ²	Part No. EK12042L	
Scope of supply Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	Part No. RAL2	Page 398
Quick-charger for 18V Li-lon 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 13	MA120	406
Force sensor, 130 kN	TF130L	406



Battery-powered crimping tools

Available dies for Series 13 for EK 120/42-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	blue connection	16 - 400		442
Tubular cable lugs and connectors, Cu, standard type, tubular cable lugs for switchgear connections		16 - 400		443
Insulated tubular cable lugs and connectors, insulated pin terminals		10 - 150		443
Tubular cable lugs and connectors for fine stranded conductors		16 - 150	\bigcirc	444
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	16 - 300		444
Double compression cable lugs	DIN	2 x 50 - 2 x 95		444
Terminals, connectors and pin terminals acc. to DIN - Cu				
Terminals (DIN 46234) and pin terminals (DIN 46230) Cu, solderless connectors (DIN 46341) Cu	5	16 - 150	\bigcirc	445
Insulated terminals and pin terminals		10 - 95	\bigcirc	445
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		445
Aluminum compression cable lugs and connectors acc. to DIN				
Aluminum compression cable lugs and connectors acc. to DIN	Al	10 - 240	\bigcirc	446
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		446
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	25/4 - 120/20		446
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	25/4 - 120/20		447
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10 - 240		446
Clamps				
Clamps, C-type		10 - 70		447
Clamps, H-type		70 - 120		447
Cable end-sleeves				
Cable end-sleeves		25 - 240		448
Cable end-sleeves, trapezodial, for fine stranded conductors		25 - 240		448

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



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

























18v









H-head for deep groove crimping

 Up to 60% less crimping operations due to wide crimping compared with 6 t tools

- For interchangeable dies, series 13, wide crimping
- Closed H-crimping head, 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 for comfortable and safe one-hand operation
- Balanced centre of gravity for easy handling and effortless operations
- LED for workplace illumination
- High-performance 18V Lithium-ion battery with high capacity and extremely short charging time
- 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	120 kN
Stroke / opening width	20 mm
Crimping range	16 - 400 mm²
Crimping cycle	7 s to 8 s (depending on cross-section)
Number of crimps	approx. 115 at 150 mm ² Cu DIN
Battery voltage	18 V
Battery capacity	3.0 Ah, Li-lon
Charging time	22 min.
Weight incl. battery	6.0 kg
Ambient temperature	-12°C to +40 °C

Item Battery powered hydraulic crimping tool 16 - 400 mm ²	Part No. EK120UL	
Scope of supply	Part No.	Page
Battery 18 V / 3.0 Ah, Li-Ion (54 Wh)	RAL2	398
Quick-charger for 18V Li-lon 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 13	MA120	406
Force sensor, 130 kN	TF130L	406



Battery-powered crimping tools

Available dies for Series 13 for EK 120 U-L

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445							
Compression cable lugs and connectors acc. to DIN - AI							
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447							
448							

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



Strong cablesSimply Cut.



Battery powered hydraulic cutting tools.

Klauke cutting tools combine 2 essential forces: the force of the innovative battery powered systems and the force of the cutting heads - in a compact lightweight design. Cables with or without armouring up to 105 mm diameter, as well as Al/St ropes, are cut quickly, accurately and effortlessly at the touch of a button. The astonishingly low weight of the tools and cutting heads helps the user and permits prolonged periods of operation at full performance.

High cutting performance is not everything. The Klauke® mini+reliably cuts cables at the touch of a button, even in tight spaces such as control cabinets.

Save time and energy –

with the retract stop function.







- This new tool generation has the manual retract stop function - MRS.
- ▶ The retract stop stops the automatic retraction on completion of a cut.

Benefits:

- The MRS function enables cables to be cut faster, since the blades open only as far as needed to perform the next cut.
- Reducing the required stroke per cutting operation to a minimum permits more cuts per battery charge for the same low effort.

- Manual retract stop MRS.
- Cutting tools with 15 kN to 120 kN cutting force.
- Cutting tools to 105 mm dia., also for armoured cables.
- Incredibly lightweight for the performance class.

Powerful tools for cables up to 105 mm dia.

- High cutting capacities up to 105 mm dia.
- ▶ Remarkably lightweight for tools in this performance and size class.

Benefits

 Despite their relatively low weight, the high stability of the cutting heads mean they perform well even under extreme load.



■ Small design, huge performance: Klauke® mini and Klauke® mini+

- ▶ Ergonomic design for convenient one-hand operation.
- Lightweight, from 1.3 kg including battery.







Benefits:

- ▶ The Klauke ® mini+ combines a host of established benefits with the technical features of the new Safety Plus generation making work even in the tightest spaces even more efficient and safer.
- ▶ The design and low weight permit use even in tight areas, for example in control cabinets.

■ Improved cutting using the right tools.

E		De	sign	Cutting	Cutting		Appli	cation		
System	Tool	Open head	Closed head	range mm dia.	force kN ²⁾	Cu / Al¹)	AI / St (ACSR)	Cu / Al, solid	Steel, solid	Features
	EBS8	~		8	15				V	For cutting wire basket tray and
AGI	EBS12	~		12	35				~	steel bolts.
KlauKemini	ES20	~		20	23	~	~			Suitable for Al/St ropes.
Klau	ES32	~		32	15	~				For Al and Cu cables to 32 mm dia.
	ES32F	V		32	15	~				Ideal solution for superfine stranded conductors.
	EBS8L	~		8	15				V	For cutting wire basket tray and
al.	EBS12L	V		12	35				~	steel bolts.
KlauKemmi	ES20L	~		20	23	~	V			Suitable for Al/St ropes.
age (ESG25L			25	60	~	V	V	V	The "universal cutter" to 25 mm dia.
3	ES32L	~		32	15	~				For Al and Cu cables to 32 mm dia.
	ES32FL	V		32	15	~				Ideal solution for superfine stranded conductors.
įų,	ESG45L		~	45	60	~	V	~	~	Especially for Al/St ropes to 45 mm dia.
Klaukemini	ESG50L		~	48	60	~				Compact and lightweight cutting tool.
KIB	ES65L	V		65	40	~				Ideal for cutting earth cables to 65 mm dia.
	ESG55L		~	55	120	~	V	V	V	With 120 kN cutting force for all cables and Al/St ropes up to 55 mm dia.
‡BJ	ESG85L		~	85	60	~				For cutting copper and aluminum cables to 85 mm dia.
KlauKe'utra+	ES85L	V		85	30	~				For cutting telecommunication and earth cables to 85 mm dia.
X	ESG105L		~	105	120	~		V		Very wide cutting range to 105 mm dia also for armoured cables.
	ES105L	~		105	74	~				Also for fine stranded cables to 105 mm dia.

¹⁾ This column also includes Cu / Al multi-stranded and Cu / Al with sheet metal and wire armouring.

 $^{^{\}mbox{\tiny 2)}}$ The exact cutting capacity depends on the type of cable or rope.



EBS 8 / EBS 12 Battery powered bolt cutting tool 8 mm dia. / 12 mm dia.



















For cutting cable channels, bolts and steel wire, medium-hard (e.g. ST 37) Slim cutting head - ideal when space is critical

- Open cutting head, rotatable
- Electronic control and monitoring of cutting operation
- One-button operating concept for controlling all tooling functions
- Ergonomic design for convenient one-hand operation
- Lightweight for effortless operations
- Powerful NiMH battery technology
- Quick motor stop for high user safety
- Multi-function LED for maintenance control, charge level indicator of the battery and for data transmission via USB adapter
- Automatic retraction when cut is complete
- Manual retract in case of need
- Environmentally-friendly hydraulic oil, quickly biodegradable

Technical data		
Cutting range	EBS8: max. 8 mm dia., EBS12: max	r. 12 mm dia.
Cutting force	EBS8: 15 kN, EBS12: 45 kN	
Cutting time	EBS8: 2 s, EBS12: 4 s (depending o	n material thickness)
Number of cuts	approx. 300 for bolts 5 mm dia.	
Battery voltage	9.6 V	
Battery capacity	2.0 Ah, NiMH	
Charging time	With fast charger 15 min., otherwis	e 40 min.
Weight incl. battery	EBS8: 1.3 kg, EBS12: 1.9 kg	
Ambient temperature	-20°C to +40 °C	
Item		Part No.

Item	Part No.	
Battery powered hydraulic bolt cutting tool 8 mm dia.	EBS8	
Battery powered hydraulic bolt cutting tool 12 mm dia.	EBS12	
Scope of supply	Part No.	Page
Battery 9.6 V / 2.0 Ah, NiMH (19.6 Wh)	RAM2	397
Charger for NiCd and NiMH batteries	LG4F	399
Plastic case 450 x 370 x 105 mm	KK35B2	

Accessories	Part No.	Page
Quick charger for NiCd and NiMH batteries, 230 V mains power	LG5	399
USB adapter	PGA1	408



EBS 8-L / EBS 12-L Battery powered bolt cutting tool 8 mm dia. / 12 mm dia.

- For cutting cable channels, bolts and medium-hard steel wire (e.g. mild steel)
- Slim cutting head ideal when space is critical
- ▶ Powerful 18V Lithium-Ion batteries

Characteristics

- Open cutting head, rotatable
- Electronic control and monitoring of cutting operation
- One-button operating concept for controlling all tooling functions
- Ergonomic 2-component plastic housing with soft linings for comfortable and safe one-hand operation
- Balanced centre of gravity for easy handling and effortless operations
- LED for workplace illumination
- High-performance 18 V Lithium-ions batteries with high capacity and extremely short charging time
- High-performance motors for maximum operating speed
- Energy saving function by stopping motor after successful cutting operation
- Quick motor stop for high user safety
- Automatic retraction when cut is complete
- Manual retract in case of need

Battery 18 V / 1.3 Ah, Li-lon (23.4 Wh)

Plastic case

Quick-charger for 18V Li-lon batteries, 230 V

- Multifunction LED for maintenance control and charging display of the battery
- Environmentally-friendly hydraulic oil, quickly biodegradable

Technical data						
Cutting range	EBS8L: max. 8 mm dia., EBS12L:	EBS8L: max. 8 mm dia., EBS12L: max. 12 mm dia.				
Cutting force	EBS8L: 15 kN, EBS12L: approx. 45	kN				
Cutting time	EBS8L: approx. 1 s, EBS12L: approx (depending on material thickness)	EBS8L: approx. 1 s, EBS12L: approx. 2 s (depending on material thickness)				
Number of cuts	approx. 300 for bolts 5 mm dia.					
Battery voltage	18 V					
Battery capacity	1.3 Ah, Li-lon	1.3 Ah, Li-lon				
Charging time	15 min.	15 min.				
Weight incl. battery	EBS8L: 1.55 kg, EBS12L: approx. 2	EBS8L: 1.55 kg, EBS12L: approx. 2 kg				
Ambient temperature	-10°C to +40 °C	-10°C to +40 °C				
Item		Part No.				
Battery powered hydraulic bolt cutting tool 8 mm dia.		EBS8L				
Battery powered hydraulic bolt cutting tool 12 mm dia.		EBS12L				
Scope of supply		Part No.	Page			

Accessories	Part No.	Page
USB adapter	PGA1	408
18 V mains adapter for 240 V Voltage	NG2230	399
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398

RAI 1

LGL1

KK50L

398

400





























ES 20 Battery powered cutting tool 20 mm dia.



















easy







- For cutting Al/St conductors (ACSR) to DIN EN 50182, solid Al/Cu cables to VDE 0295, Class 1 and laminated copper bus bars
- Extremely robust design and lightweight

- Open cutting head, rotatable
- Electronic control and monitoring of cutting operation
- One-button operating concept for controlling all tooling functions
- Ergonomic design for convenient one-hand operation
- Lightweight for effortless operations
- Powerful NiMH battery technology
- Quick motor stop for high user safety
- Multi-function LED for maintenance control, charge level indicator of the battery and for data transmission via USB adapter
- Automatic retraction when cut is complete
- Manual retract in case of need
- Environmentally-friendly hydraulic oil, quickly biodegradable

Technical data	
Cutting range	Multi-stranded max. 20 mm dia. (depending on cable type)
Cutting time	4 s to 6 s (depending on material thickness)
Number of cuts	approx. 180 for ACSR cable 120/20
Battery voltage	9.6 V
Battery capacity	2.0 Ah, NiMH
Charging time	With fast charger 15 min., otherwise 40 min.
Ambient temperature	-20°C to +40 °C

Item Battery powered hydraulic cutting tool 20 mm dia.	Part No. ES20	
Scope of supply Battery 9.6 V / 2.0 Ah, NiMH (19.6 Wh)	Part No. RAM2	Page 397
Charger for NiCd and NiMH batteries	LG4F	399
Plastic case 450 x 370 x 105 mm	KK35B2	

Accessories	Part No.	Page
Replacement blade set for ES20	ES20E	
Quick charger for NiCd and NiMH batteries, 230 V mains power	LG5	399
USB adapter	PGA1	408



ES 20-L Battery powered cutting tool 20 mm dia.

- For cutting Al/St conductors (ACSR) to DIN EN 50182, solid Al/Cu cables to VDE 0295. Class 1 and laminated copper bus bars
- Extremely robust design and lightweight
- ▶ Slim cutting head ideal when space is critical
- ▶ High-performance 18 V Li-Ion battery

- Open cutting head, rotatable
- One-button operating concept for controlling all tooling functions
- Ergonomic 2-component plastic housing with soft linings for comfortable and safe one-hand operation
- Balanced centre of gravity for easy handling and effortless operations
- LED for workplace illumination
- High-performance 18 V Lithium-ion battery with high capacity and extremely short charging time
- High-performance motors for maximum operating speed
- Energy saving function by stopping motor after successful cutting operation
- Quick motor stop for high user safety
- Automatic retraction when cut is complete
- Manual retract in case of need
- Manual retract stop (MRS) for efficient operations
- 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	
Cutting range	max. 20 mm dia.
Cutting force	23 kN
Cutting time	2 s to 4 s (depending on cable type)
Number of cuts	approx. 160 cuts (ACSR cable 120/20)
Battery voltage	18 V
Battery capacity	1.3 Ah, Li-Ion
Charging time	15 min.
Weight incl. battery	2.13 kg
Ambient temperature	-10°C to +40 °C

Item Battery powered hydraulic cutting tool 32 mm dia.	Part No. ES20L	
Scope of supply Battery 18 V / 1.3 Ah, Li-lon (23.4 Wh)	Part No. RAL1	Page 398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Plastic case	KK50L	

Accessories	Part No.	Page
Replacement blade set for ES20	ES20E	
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408



























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ESG 25-L Battery powered cutting tool 25 mm dia.

































ESG25ES

- For cutting Al/St cables (ACSR), round materials (Cu, Al, St) as well as armoured cables, solid structural steel and fine stranded copper cables
- High-performance cutting characteristics for highly-flexible conductors and wire cables
- Extremely robust design and lightweight

- Closed cutting head, flip top style, rotatable
- Electronic control and monitoring of cutting operation
- 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 18 V Li-lon battery
- Quick motor stop for high user safety
- High-performance motors for maximum operating speed
- Energy saving function by stopping motor after successful cutting operation
- Automatic retraction when cut is complete
- Manual retract in case of need
- Manual retract stop (MRS) for efficient operations
- 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	
Cutting range	max. 25 mm dia.
Cutting force	60 kN
Cutting time	Depending on material
Number of cuts	Depending on material
Battery voltage	18 V
Battery capacity	1.3 Ah, Li-Ion
Charging time	650 x 180 x 150 min.
Weight incl. battery	2.1 kg
Ambient temperature	-10°C to +40 °C

Item	Part No.	
Battery powered hydraulic cutting tool 25 mm dia.	ESG25L	
Scope of supply	Part No.	Page
Battery 18 V / 1.3 Ah, Li-lon (23.4 Wh)	RAL1	398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Plastic case	KK50L	

Accessories	Part No.	Page
Outer fixed blade	ESG25EF	
Inner moving blade	ESG25ES	
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408



ES 32 / ES 32 F Battery powered cutting tool 32 mm dia.

- Cuts multi-stranded copper and aluminum cables (ES 32)
- Cuts fine and superfine stranded copper cables (ES 32 F)
- > Slim cutting head ideal when space is critical

- Open cutting head, rotatable
- Electronic control and monitoring of cutting operation
- One-button operating concept for controlling all tooling functions
- Ergonomic design for convenient one-hand operation
- Lightweight for effortless operations
- Automatic retraction when cut is complete
- Powerful NiMH battery technology
- Quick motor stop for high user safety
- Manual retract in case of need
- 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			
Cutting range	max. 32 mm dia.		
Cutting force	15 kN		
Cutting time	8 s to 10 s (depending on material	thickness)	
Number of cuts	approx. 90 cuts at H07V-K; 1 x 24) mm²	
Battery voltage	9.6 V		
Battery capacity	2.0 Ah, NiMH		
Charging time	With fast charger 15 min., otherwi	se 40 min.	
Weight incl. battery	1.9 kg		
Ambient temperature	-20°C to +40 °C		
Item		Part No.	
Battery powered hydraulic cu	tting tool 32 mm dia.	ES32	
Battery powered hydraulic cu stranded	tting tool 32 mm dia., superfine	ES32F	
Scope of supply		Part No.	Page
Battery 9.6 V / 2.0 Ah, NiMH (19.6 Wh)	RAM2	397
Charger for NiCd and NiMH ba	atteries	LG4F	399
Plastic case 450 x 370 x 105	mm	KK35B2	

Accessories	Part No.	Page
Replacement blade set for ES 32 and ES 32-L	ES32E	
Replacement blade set for ES 32 F and ES 32 F-L	ES32FE	
Quick charger for NiCd and NiMH batteries, 230 V mains power	LG5	399
USB adapter	PGA1	408































ES 32-L / ES 32 F-L Battery powered cutting tool 32 mm dia.





2K



















ES32FE

easy











- Cuts multi-stranded copper and aluminum cables (ES 32-L)
- Cuts fine and superfine stranded copper cables (ES 32 F-L)
- Slim cutting head ideal when space is critical

- Open cutting head, rotatable
- 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
- Automatic retraction when cut is complete
- Energy saving function by stopping motor after successful cutting operation
- Quick motor stop for high user safety
- Manual retract in case of need
- Manual retract stop (MRS) for efficient operations
- 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			
Cutting range	max. 32 mm dia.		
Cutting force	15 kN		
Cutting time	2 s to 4 s (depending on cable type	oe)	
Number of cuts	approx. 150 cuts at H07V-R; 1 x 2 H07V-K 1 x 240 mm ²	240 mm², approx. 60) cuts for
Battery voltage	18 V		
Battery capacity	1.3 Ah, Li-Ion		
Charging time	15 min.		
Weight incl. battery	2.0 kg		
Ambient temperature	-10°C to +40 °C		
Item		Part No.	
Battery powered hydraulic	cutting tool 32 mm dia.	ES32L	
Battery powered hydraulic stranded	cutting tool 32 mm dia., superfine	ES32FL	
Scope of supply		Part No.	Page
Battery 18 V / 1.3 Ah, Li-lo	on (23.4 Wh)	RAL1	398
Quick-charger for 18V Li-	on batteries, 230 V	LGL1	400
Plastic case		KK50L	

Accessories	Part No.	Page
Replacement blade set for ES 32 and ES 32-L	ES32E	343
Replacement blade set for ES 32 F and ES 32 F-L	ES32FE	343
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408

Variants	Part No.	Page
L-BOXX with cutting tool ES 32-L	LB0XXES32L	



ESG 45-L Battery powered cutting tool 45 mm dia.

- High cutting force cuts armoured copper and aluminum cables and Al/St cables (ACSR)
- Also suitable for round material made of Al, Cu and Steel
- > Extremely robust design and lightweight

Characteristics

- Closed cutting head with bolt interlock, rotatable, flip top style
- Electronic control and monitoring of cutting operation
- 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
- Energy saving function by stopping motor after successful cutting operation
- High-performance motors for maximum operating speed
- 2-stage hydraulic system with fast feed and power stroke
- Quick motor stop for high user safety
- Automatic retraction when cut is complete
- Manual retract in case of need
- Manual retract stop (MRS) for efficient operations
- 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	
Cutting range	max. 45 mm dia.
Cutting force	60 kN
Cutting time	8 s to 18 s (depending on material)
Number of cuts	approx. 150 cuts at Al/St cable 570/40
Battery voltage	18 V
Battery capacity	3.0 Ah, Li-lon
Charging time	22 min.
Weight incl. battery	5.7 kg
Ambient temperature	-12°C to +40 °C

Item	Part No.	
Battery powered hydraulic cutting tool 45 mm dia.	ESG45L	
Scope of supply	Part No.	Page
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Plastic case	KK120L	

Accessories	Part No.	Page
Outer fixed blade	ESG45EF	
Inner moving blade	ESG45ES1	
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408



















MAN

AUTO













ESG45EF

ESG45ES1



ESG 50-L Battery powered cutting tool 48 mm dia.











AUTO















2K







Cuts copper and aluminum cables with light weight steel armouring (depending on cable type)

Lightweight for effortless operations

- Closed cutting head, flip top style, rotatable
- Electronic control and monitoring of cutting operation
- One-button operating concept for controlling all tooling functions
- Ergonomic 2-component plastic housing with soft linings for comfortable and safe one-hand operation
- Balanced centre of gravity for easy handling and effortless operations
- LED for workplace illumination
- High-performance 18V Lithium-ion battery with high capacity and extremely short charging time
- Energy saving function by stopping motor after successful cutting operation
- High-performance motors for maximum operating speed
- 2-stage hydraulic system with fast feed and power stroke
- Quick motor stop for high user safety
- Automatic retraction when cut is complete
- Manual retract in case of need
- Manual retract stop (MRS) for efficient operations
- 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	
Cutting range	max. 48 mm dia.
Cutting force	60 kN
Cutting time	8 s to 20 s (depending on material thickness)
Number of cuts	approx. 140 cuts at 4 x 120 mm ² NYY
Battery voltage	18 V
Battery capacity	3.0 Ah, Li-lon
Charging time	22 min.
Weight incl. battery	4.7 kg
Ambient temperature	-12°C to +40 °C

Item Battery powered hydraulic cutting tool 48 mm dia.	Part No. ESG50L	
Scope of supply Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	Part No. RAL2	Page 398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Plastic case	KK120L	

Accessories	Part No.	Page
Outer fixed blade	ESG50EF1	
Inner moving blade	ESG50ES	
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408



ESG 55-L Battery powered cutting tool 55 mm dia.

- High cutting force cuts armoured copper and aluminum cables and Al/St cables (ACSR)
- Also suitable for round material made of Al, Cu and Steel
- ▶ 120 kN cutting force for maximum output
- > Robust design and lightweight

- Closed cutting head with bolt interlock, rotatable, flip top style
- Electronic control and monitoring of cutting operation
- One-button operating concept for controlling all tooling functions
- Ergonomic 2-component plastic housing with soft linings
- Balanced centre of gravity for easy handling
- High-performance motors for maximum operating speed
- LED for workplace illumination
- High-performance 18V Li-ion battery with high capacity
- 2-stage hydraulic system with fast feed and power stroke
- Energy saving function by stopping motor after successful cutting operation
- Quick motor stop for high user safety
- Automatic retraction when cut is complete
- Manual retract in case of need
- Manual retract stop (MRS) for efficient operations
- 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

Cutting range	max. 55 mm dia.
Cutting force	120 kN
Cutting time	10 s to 19 s (depending on material thickness)
Number of cuts	Depending on cable type
Battery voltage	18 V
Battery capacity	3.0 Ah, Li-lon
Charging time	22 min.
Weight incl. battery	8.0 kg
Ambient temperature	-12°C to +40 °C

Item Battery powered hydraulic cutting tool 55 mm dia.	Part No. ESG55L	
Scope of supply Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	Part No. RAL2	Page 398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Plastic case	KK120L	

Accessories	Part No.	Page
Outer fixed blade	ESG55EF	
Inner moving blade	ESG55ES	
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408





































ES 65-L Battery powered cutting tool 65 mm dia.

































ES65E

- Cuts copper and aluminum cables with light weight steel armouring (depending on cable type)
- Also suitable for fine stranded cable
- Extremely robust design and lightweight
- Large cutting range

- Open cutting head, rotatable
- Electronic control and monitoring of cutting operation
- One-button operating concept for controlling all tooling functions
- Ergonomic 2-component plastic housing with soft linings for comfortable and safe one-hand operation
- Balanced centre of gravity for easy handling and effortless operations
- LED for workplace illumination
- High-performance 18V Lithium-ion battery with high capacity and extremely short charging time
- Energy saving function by stopping motor after successful cutting operation
- High-performance motors for maximum operating speed
- 2-stage hydraulic system with fast feed and power stroke
- Quick motor stop for high user safety
- Automatic retraction when cut is complete
- Manual retract in case of need
- Manual retract stop (MRS) for efficient operations
- 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	
Cutting range	max. 65 mm dia.
Cutting force	40 kN
Cutting time	Depending on material thickness
Number of cuts	Depending on material thickness
Battery voltage	18 V
Battery capacity	3.0 Ah, Li-lon
Charging time	22 min.
Weight incl. battery	6.3 kg
Ambient temperature	-12°C to +40 °C

Item Battery powered hydraulic cutting tool 65 mm dia.	Part No. ES65L	
Scope of supply	Part No.	Page
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Plastic case	KK120L	

Accessories	Part No.	Page
18 V mains adapter for 240 V Voltage	NG2230	399
Replacement blade	ES65E	
USB adapter	PGA1	408



ESG 85-L Battery powered cutting tool 85 mm dia.

- Cuts copper and aluminum cables with light weight steel armouring (depending on cable type)
- Large cutting area, optimum force transmission due to closed head shape
- ▶ High user safety through cutting head with bolt interlock

- Closed cutting head with bolt interlock, rotatable, flip top style
- Electronic control and monitoring of cutting operation
- 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
- 2-stage hydraulic system with fast feed and power stroke
- High-performance 18V Li-Ion battery
- High-performance motors for maximum operating speed
- Energy saving function by stopping motor after successful cutting operation
- Quick motor stop for high user safety
- Automatic retraction when cut is complete
- Manual retract in case of need
- Manual retract stop (MRS) for efficient operations
- 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	
Cutting range	max. 85 mm dia.
Cutting force	60 kN
Cutting time	Depending on material thickness
Number of cuts	Depending on material thickness
Battery voltage	18 V
Battery capacity	3.0 Ah, Li-lon
Charging time	22 min.
Weight incl. battery	6.6 kg
Ambient temperature	-12°C to +40 °C

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Item	Part No.	
Battery powered hydraulic cutting tool 85 mm dia.	ESG85L	
Scope of supply	Part No.	Page
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Plastic case	KK120L	

Accessories	Part No.	Page
Outer fixed blade	ESG85EF1	
Inner moving blade	ESG85ES1	
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408



































ES 85-L Battery powered cutting tool 85 mm dia.





2K















18 v





easy







ES85E

- Cuts copper and aluminum cables with light weight steel armouring (depending on cable type)
 - Large cutting range
- > Suitable for fine stranded cable and telecommunication cable

- Open cutting head, rotatable
- Electronic control and monitoring of cutting operation
- One-button operating concept for controlling all tooling functions
- Ergonomic 2-component plastic housing with soft linings for comfortable and safe one-hand operation
- Balanced centre of gravity for easy handling and effortless operations
- LED for workplace illumination
- High-performance 18V Lithium-ion battery with high capacity and extremely short charging time
- Energy saving function by stopping motor after successful cutting operation
- High-performance motors for maximum operating speed
- 2-stage hydraulic system with fast feed and power stroke
- Quick motor stop for high user safety
- Automatic retraction when cut is complete
- Manual retract in case of need
- Manual retract stop (MRS) for efficient operations
- 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
- Cuts copper and aluminum cables with light weight steel armouring (depending on
- Suitable for fine stranded cable and telecommunication cable

Technical data	
Cutting range	max. 85 mm dia.
Cutting force	30 kN
Cutting time	Depending on material thickness
Number of cuts	Depending on material thickness
Battery voltage	18 V
Battery capacity	3.0 Ah, Li-lon
Charging time	22 min.
Weight incl. battery	7.0 kg
Ambient temperature	-12°C to +40 °C

Item Battery powered hydraulic cutting tool 85 mm dia.	Part No. ES85L	
Scope of supply Battery 18 V / 3.0 Ah, Li-Ion (54 Wh)	Part No. RAL2	Page 398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Plastic case	KK120L	

Accessories	Part No.	Page
Replacement blade	ES85E	
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408



ESG 105-L Battery powered cutting tool 105 mm dia.

- Cuts copper and aluminum cables (for armoured cables)
- ▶ 120 kN cutting force for extremely wide cutting range up to 105 mm dia.
- ▶ Remarkably lightweight for tools in this performance class

- Closed cutting head with bolt interlock, rotatable, flip top style
- Electronic control and monitoring of cutting operation
- 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
- Energy saving function by stopping motor after successful cutting operation
- High-performance motors for maximum operating speed
- 2-stage hydraulic system with fast feed and power stroke
- Quick motor stop for high user safety
- Automatic retraction when cut is complete
- Manual retract in case of need
- Manual retract stop (MRS) for efficient operations
- 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	
Cutting range	max. 105 mm dia.
Cutting force	120 kN
Cutting time	Depending on cable type
Number of cuts	Depending on cable type
Battery voltage	18 V
Battery capacity	3.0 Ah, Li-Ion
Charging time	22 min.
Weight incl. battery	10.3 kg
Ambient temperature	-12°C to +40 °C

Item Battery powered hydraulic cutting tool 105 mm dia.	Part No. ESG105L	
Scope of supply	Part No.	Page
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Steel carrying case	MK105L	

Accessories	Part No.	Page
Outer fixed blade	ESG105EF	
Inner moving blade	ESG105ES	
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408





































ESG





ES 105-L Battery powered cutting tool 105 mm dia.



















easy









ES105E

- Cuts copper and aluminum cables with light weight steel armouring (depending on cable type), and fine stranded conductors
- Extremely large cutting range to 105 mm dia.
- ▶ Remarkably lightweight for tools in this performance class

- Open cutting head, rotatable
- Electronic control and monitoring of cutting operation
- 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
- 2-stage hydraulic system with fast feed and power stroke
- High-performance 18V Li-lon battery
- High-performance motors for maximum operating speed
- Energy saving function by stopping motor after successful cutting operation
- Quick motor stop for high user safety
- Automatic retraction when cut is complete
- Manual retract in case of need
- Manual retract stop (MRS) for efficient operations
- 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	
Cutting range	max. 105 mm dia.
Cutting force	74 kN
Cutting time	Depending on cable type
Number of cuts	Depending on cable type
Battery voltage	18 V
Battery capacity	3.0 Ah, Li-lon
Charging time	22 min.
Weight incl. battery	9.4 kg
Ambient temperature	-12°C to +40 °C

Item	Part No.	
Battery powered hydraulic cutting tool 105 mm dia.	ES105L	
Scope of supply	Part No.	Page
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Steel carrying case	MK105L	

Accessories	Part No.	Page
Replacement blade	ES105E	
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408



The all-rounder.

Klauke® multi universal tools

When in comes to operations that require different applications all at the same time, Klauke® multi universal tools are the answer. They have interchangeable adapters and dies for crimping, cutting or punching. All standard operations can be flexibly accomplished using just one tool, ideal for service and repair teams for example.

The Klauke® multi comes as a hand-operated and battery powered hydraulic tool, as well as a universal head in combination with a Klauke system pump.

The all-rounder:

- One head for crimping, cutting and punching.
- Crimping adapters for Klauke dies of most Klauke ranges.
- Various cutting dies for aluminum and copper conductors with and without armouring, as well as rail catenary wires.
- Special dies for cutting threaded rods and DIN rails.
- ▶ Punching adapter for Greenlee punching tools.
- Used to punch holes in DIN rails and cut copper rails.

Benefits:

All standard operations can be accomplished with just one tool.

This creates a weight advantage especially for repair and service teams.

- The 6 ton design is set apart by its low weight and extremely easy handling.
- Thanks to its design, the 6 ton mini+ version can be used even in tight spaces.
- The 12 ton tool offers wider crimping ranges and higher punching capacities.
- Only dies and/or adapters need to be changed for the various applications. A crimping tool can be turned into a cutting or punching tool within seconds.
- This boosts efficiency especially when it comes to assembly applications.
- All adapters and dies are compatible with all tools in the Klauke[®] multi range.



- One tool 3 functions.
- Interchangeable adapters for crimping, cutting and punching.
- Available as hand-operated, battery powered and hydraulic universal heads in combination with a Klauke system pump.



Hydraulic universal tools

HK 60 UNV Hand-operated hydraulic universal tool













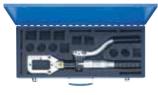












- One head for crimping, cutting and punching one tool for all
- Ideal for field operations where all common jobs can be carried out with just one tool

Klauke®

Characteristics

- Universal head flip-top style, rotatable
- Adapter for crimping dies of the Klauke Series 5, 18 and 22
- Various cutting dies for aluminum and copper conductors with and without armouring as well as Al/St-Cables (ACSR)
- Dies for cutting threaded rods and DIN rails
- Punching adapter for Greenlee punching tools
- Dies to punch DIN rails
- Light weight due to high quality aluminum housing
- 2-stage hydraulic system with fast feed and power stroke
- Automatic retraction when operation is complete
- Manual retract in case of need
- Environmentally-friendly hydraulic oil, quickly biodegradable

Technical data	
Crimping force	60 kN
Stroke	42 mm
Crimping range	6 - 300 mm ²
Cutting range	max. 40 mm dia.
Punching capacity	up to 64 mm dia. round, up to 92 x 92 mm square
Length	540 mm
Weight	3.5 kg
Ambient temperature	-20°C to +40 °C

Item	Part No.	
Hand-operated hydraulic universal tool	HK60UNV	
Scope of supply	Part No.	Page
Steel carrying case for HK 60 UNV with space for adapters and dies	MK60UNV	



Hydraulic universal tools

PK 60 UNV Hydraulic universal head

- One head for crimping, cutting and punching one tool for all
- Ideal for field operations where all common jobs can be carried out with just one tool
- For connecting to hydraulic pumps with 700 bar operating pressure for best possible crimping, cutting and punching results

Characteristics

- Universal head with quick coupling, under no pressure, rotates 360°, flip top style
- Various cutting dies for aluminum and copper conductors with and without armouring as well as Al/St-Cables (ACSR)
- Dies to punch DIN rails
- Adapter for crimping dies of the Klauke Series 5, 18 and 22

Technical data	
Crimping force	60 kN
Stroke	42 mm
Crimping cycle	3 s to 5 s (depending on cross-section)
Number of crimps	approx. 300 at 150 mm ² Cu DIN
Cutting range	max. 40 mm dia.
Number of cuts	approx. 110 at 4 x 70 mm ² NYY
Punching capacity	up to 64 mm dia. round, up to 92 x 92 mm square
Operating pressure	max. 700 bar
Length	350 mm
Weight	2.4 kg

Item	Part No.	
Hydraulic universal head	PK60UNV	
Scope of supply	Part No.	Page
Carrying bag	TT2	217





















EKM 60 UNV-L Battery powered universal tool 6 - 300 mm²





















AI/St





















- > One head for crimping, cutting and punching one tool for all
- Ideal for field operations where all common jobs can be carried out with just one tool
- > Small and slim, perfect for operations in critical areas

Characteristics

- Universal head flip-top style, rotatable
- Electronic control and monitoring of operation
- 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-lon battery
- High-performance motors for maximum operating speed
- Energy saving function by stopping motor after successful operation
- Quick motor stop for high user safety
- Automatic retraction when operation is complete
- Manual retract in case of need
- Manual retract stop with "teach-in" (MRS+) for positioning control in case of multiple
- Multi-function LED for maintenance control, charge level indicator of the battery and for data transmission via USB adapter

Technical data	
Crimping force	60 kN
Stroke	27 mm
Crimping range	6 - 300 mm²
Crimping cycle	7 s to 9 s (depending on cross-section)
Number of crimps	approx. 200 at 150 mm ² Cu DIN
Cutting range	max. 25 mm dia.
Number of cuts	approx. 165 - 300
Punching capacity	approx. 170 for 60 mm round, 3 mm mild steel; approx. 230 for 22.5 mm round, 3 mm mild steel
Battery voltage	18 V
Battery capacity	1.3 Ah, Li-Ion
Charging time	15 min.
Weight	3.0 kg
Ambient temperature	-10°C to +40 °C

Item	Part No.	
Battery powered hydraulic universal tool 6 - 300 mm ²	EKM60UNVL	
Scope of supply	Part No.	Page
Battery 18 V / 1.3 Ah, Li-Ion (23.4 Wh)	RAL1	398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Plastic case	KKMUNVL	
Adapter for crimping dies of Series 22	UA22	
Adapter 15 mm for cutting dies	UAM	

Accessories	Part No.	Page
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408

Variants	Part No.	Page
L-BOXX with universal crimping tool EKM60UNVL, 6 - 300 mm ²	LB0XXEKM60UNVL	
0 - 300 IIIIII-		



Hvdraulic universal tools

EK 60 UNV-L Battery powered universal tool 6 - 300 mm²

- One head for crimping, cutting and punching one tool for all
- Ideal for field operations where all common jobs can be carried out with just one tool
- Fast working due to 2-stage hydraulics

Characteristics

- Universal head flip-top style, rotatable
- Electronic control and monitoring of operation
- 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-lon battery
- 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 operation
- Quick motor stop for high user safety
- Automatic retraction when operation is complete
- Manual retract in case of need
- Manual retract stop with "teach-in" (MRS+) 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
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
Cutting range	max. 40 mm dia.
Number of cuts	approx. 110 at 4 x 70 mm ² NYY
Punching capacity	up to 64 mm dia. round
Battery voltage	18 V
Battery capacity	3.0 Ah, Li-lon
Charging time	22 min.
Weight	4.6 kg
Ambient temperature	-12°C to +40 °C

Item Battery powered hydraulic universal tool 6 - 300 mm ²	Part No. EK60UNVL	
Scope of supply	Part No.	Page
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400
Plastic case	KK120UNVL	
Adapter for crimping dies of Series 22	UA22	

Accessories	Part No.	Page
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408

Variants	Part No.	Page
EK60UNVL with crimping die set R22, 16 - 240 mm² and adapter UA22 and cutting inserts to max. 40 mm Ø (UCACSR/UC40)	EK60UNVLSETR	















































Hydraulic universal tools

EK 120 UNV-L Battery powered universal tool 10 - 400 mm²

































- One head for crimping, cutting and punching one tool for all
- Ideal for field operations where all common jobs can be carried out with just one tool
- Fast working due to 2-stage hydraulics
- ▶ Very large crimping range

Characteristics

- Universal head flip-top style, rotatable
- Electronic control and monitoring of operation
- 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-lon battery
- 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 operation
- Quick motor stop for high user safety
- Automatic retraction when operation is complete
- Manual retract in case of need
- Manual retract stop with "teach-in" (MRS+) 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

Technical data	
Crimping force	108 kN
Stroke	42 mm
Crimping range	10 - 400 mm²
Crimping cycle	Depending on cable type
Number of crimps	approx. 110 at 150 mm ² Cu DIN
Cutting range	max. 40 mm dia.
Number of cuts	Depending on cable type
Punching capacity	up to 144 mm dia. round, up to 138 x 138 mm square
Battery voltage	18 V
Battery capacity	3.0 Ah, Li-lon
Charging time	22 min.
Weight	6.3 kg
Ambient temperature	-12°C to +40 °C

Item Battery powered hydraulic universal tool 10 - 400 mm ²	Part No. EK120UNVL		
Scope of supply	Part No.	Page	
Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	RAL2	398	
Quick-charger for 18V Li-lon batteries, 230 V	LGL1	400	
Adapter for crimping dies	UA12T		
Plastic case	KK120UNVL		

Accessories	Part No.	Page
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408



Hydraulic universal tools

Item			to	
		Part No.	6 ton	12 ton
Crimping				
400	Adapter for crimping dies series 5	UA5		
	Adapter for crimping dies series 13	UA12TKL		
	Adapter for crimping dies series 18	UA18		
	Adapter for crimping dies series 22	UA22		
Cutting				
	Adapter 15 mm for cutting dies	UAM**		
O	Cutting die for Al/Cu conductors to max. 40 mm dia.	UCACSR*		-
4	Cutting die to max. 26 mm dia.	UC26*		-
7	Cutting die to max. 40 mm dia.	UC40*		
	Cutting die for threaded rods M5 metric	UCM5		
	Cutting die for threaded rods M6 metric	UCM6		
	Cutting die for threaded rods M8 metric	UCM8		-
	Cutting die for threaded rods M10 metric	UCM10		-
4	Cutting die for threaded rods M12 metric	UCM12		-
	Cutting die for threaded rods 1/4"	UCUNC14		
	Cutting die for threaded rods 3/8"	UCUNC38		-
	Cutting die for threaded rods 1/2"	UCUNC12		
4	Cutting die for profile conductors 35 x 15	UCD3515		-
	Cutting die for profile conductors 32 x 15 x 9	UCD3215		
	Cutting die for profile conductors 35 x 7.5	UCD3575		-
***	Cutting die for profile conductors 2980	UCN2980		-
P	Cutting die for laminated Cu bus bars, max. width 37.5 mm	UCF		-
	Schneideinsatz zum Fahrdrahtschneiden im Eisenbahnbau 107 mm², Typ AC	UCAC107		
	Cutting die 85 mm² type BC for catenary wires in railway construction	UCBC85		
100 m	Cutting die 110 mm² type BC for catenary wires in railway construction	UCBC110		
	Cutting die 120 mm² type BC for catenary wires in railway construction	UCBC120		
	Cutting die 150 mm² type BC for catenary wires in railway construction	UCBC150		-
Punching				
	Punching adapter for holes 64 mm dia., 92 x 92 mm and 46 x 92 mm	UA6P		
	Hole punch adapter to 144 mm dia., 138 x 138 mm and 68 x 138 mm	UA12P		
90	Die for punching DIN rails 35x15; 32x15x9; 35x7.5	UPD6		
* In conjunction v	with EKM 60 UNV-L the cutting range is max. 25 mm dia			

^{**} Can be used only with EKM60UNVL





even more potential.

Crimping and cutting heads for modular systems.

Klauke crimping and cutting heads can be individually configured with Klauke system pumps for special applications. We offer an extensive range as well as crimping tools for workbench mounting.

Typical applications for workbench-mounted tools include cable harness assembly and assembly preparations.



- Crimping heads with crimping forces of 55 kN to 1000 kN.
- Cutting heads up to 120 mm dia.
- Individually configurable with drive units at 700 bar operating pressure.
- Hydraulic crimping tools for workbench mounting for Klauke 18, 22 and 13 die series.





Tool	Crimping force	Crimping range	Series	Features
PK 18	60 kN	6 - 185 mm²	18 Klauke	For standardised crimping dies to DIN 48083, sheet 1.
PK 22	60 kN	6 - 300 mm²	22 Klauke	Slim crimping head - ideal when space is critical.
PK 60 VP	55 kN	10 - 240 mm²	D	"The patented centring system guarantees every time optimum crimping results".
PK 60 VP/FT	55 kN	16 - 300 mm²	D	Closed crimping head - ideal for utility lines construction.
PK 120/42	120 kN	10 - 400 mm²	13	42 mm opening width.
PK 120 U	120 kN	10 - 400 mm²	13 Klauke	H-head for deep groove crimping.
PK 25/2	250 kN	16 - 625 mm²	25 Klauke	For standardised crimping dies to DIN 48083, sheet 3.
PK 45	450 kN	120 - 1000 mm²	45 Klauke	Sturdy construction.
PK 1000	1000 kN	To 1600 mm²	100 Klauke	100 t crimping head in compact design, single-acting.
THK 18	60 kN	6 - 185 mm²	18 Klauke	
THK 22	60 kN	6 - 300 mm²	22 Klauke	For workbench mounting, BG-compliant design.
THK 120	120 kN	10 - 400 mm²	13 Klauke	

■ Improved cutting using the correct **cutting heads**.

■ The correct **crimping head** for every application.

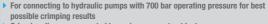
		Des	sign				Applic	ation		
Tool		Open head	Closed head	Cutting range mm dia.	Cutting force kN ²⁾	Cu / Al ¹⁾	AI / St (ACSR)	Cu / Al, solid	Steel, solid	Features
SDG 45	Ų		V	45	60	~	~	~	~	Especially for Al/St ropes to 45 mm dia. and St, solid.
SDG 50	9		~	48	60	~				For multi-stranded Al and Cu cables.
SDG 55	0		V	55	120	~	~	~	~	With 120 kN cutting force for all cables and Al/St ropes to 55 mm dia.
SDK 65	6	V		65	42	~				Ideal for cutting earth cables to 65 mm dia.
SDG 85/2	C,		V	85	60	~				For cutting copper and aluminum cables to 85 mm dia.
SDK 85		V		85	30	V				For cutting telecommunication and earth cables to 85 mm dia.
SDG 105	Q.		V	105	120	~		~		Very wide cutting range to 105 mm dia also for armoured cables.
SDK 105	4	V		105	74	~				Also for fine stranded cables to 105 mm dia.
SDK 120	()	~		120	55	~				Extremely large cutting range to 120 mm dia.

 $^{^{\}rm 1)}$ This column also includes Cu / Al multi-stranded and Cu / Al with sheet metal and wire armouring. $^{\rm 2)}$ The exact cutting capacity depends on the type of cable or rope.



PK 18 Hydraulic crimping head 6 - 185 mm²





Crimping dies are connected by spring - cannot get lost

Characteristics

- For interchangeable dies, series 18, narrow crimping
- Open crimping head with quick coupling, under no pressure, rotates 360°
- For dies acc. to DIN 48083, page 1

Technical data	
Crimping force	60 kN
Stroke / opening width	17 mm
Crimping range	6 - 185 mm²
Operating pressure	max. 700 bar
Weight	3.2 kg

weight	3.2 kg		
Item		Part No.	
Hydraulic crimping head 6 - 185	mm²	PK18	
Scope of supply		Part No.	Page
Carrying bag		TT2	217











THK 18 Hydraulic crimping tool for workbench mounting 6 - 185 mm²









- ▶ BG-compliant version
- For connecting to hydraulic pumps with 700 bar operating pressure for best possible crimping results

- For interchangeable dies, series 18, narrow crimping
- Quick coupling
- For dies acc. to DIN 48083, page 1
- For workbench mounting

Technical data		
Crimping force	60 kN	
Crimping range	6 - 185 mm²	
Operating pressure	max. 700 bar	
Weight	8.2 kg	
Dimensions	H x W x D: 220 x 160 x 120 mm	
Itom		Port No

Item	Part No.
Hydraulic crimping tool for work bench mounting 6 - 185 mm ²	THK18



Available dies for Series 18 for PK 18 and THK 18

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		6 - 185		427
Insulated tubular cable lugs and connectors, insulated pin terminals		10 - 95		427
Tubular cable lugs and connectors for fine stranded conductors		10 - 50	\bigcirc	428
Tubular cable lugs and connectors for solid conductors	0	1.5 - 16		428
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	6 - 185		428
Terminals, connectors and pin terminals acc. to DIN - Cu				
Terminals (DIN 46234) and pin terminals (DIN 46230) Cu, solder- less connectors (DIN 46341) Cu		10 - 70	\bigcirc	429
Insulated terminals and pin terminals		10 - 50	\bigcirc	429
Sleeves for compacted conductors and sector shaped conductors,	Cu			
Pre-rounding crimping dies for Al and Cu sector shaped conductors, 3 and 4 core sector shaped conductors		10 sm - 240 se / 185 sm		429
Compression cable lugs and connectors acc. to DIN - Al				
Compression cable lugs and connectors acc. to DIN - Al	AI	10 - 185		430
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182	Aldrey	25 - 95		430
Compression cable lugs and connectors - Al/Cu				
Compression cable lugs and connectors - Al/Cu	Al/Cu	10 - 185		430
Clamps and screw connectors				
C-clamps	E	4 - 50		430
Cable end-sleeves				
Cable end-sleeves		10 - 95		431
Twin cable end-sleeves		2 x 4 - 2 x 16		431
Cable end-sleeves, trapezodial, for fine stranded conductors		10 - 95		431
Twin cable end-sleeves, trapezodial, for fine stranded conductors		2 x 4 - 2 x 16		432
Cutting die				
Cutting range		18 mm dia.		432



PK 22 Hydraulic crimping head 6 - 300 mm²











- 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 with quick coupling, flip top style, under no pressure, rotates
- For connecting to hydraulic pumps with 700 bar operating pressure for best possible crimping results

Order info

Also available for "W" crimping dies (UL certified), part number appendix "W"

Technical data	
Crimping force	60 kN
Stroke / opening width	17 mm
Crimping range	6 - 300 mm ²
Operating pressure	max. 700 bar
Weight	3.0 kg

Item	Part No.	
Hydraulic crimping head 6 - 300 mm ²	PK22	
Scope of supply	Part No.	Page
Carrying bag	TT2	217

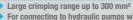
THK 22 Hydraulisches Presswerkzeug zur Tischmontage 6 - 300 mm²











For connecting to hydraulic pumps with 700 bar operating pressure for best possible crimping results

- For interchangeable dies, series 22, narrow crimping
- Quick coupling
- For workbench mounting
- BG-compliant version

Technical data		
Crimping force	60 kN	
Crimping range	6 - 300 mm ²	
Operating pressure	max. 700 bar	
Weight	8.8 kg	
Dimensions	H x W x D: 220 x 160 x 120 mm	
Item		Part No.



Available dies for Series 22 for PK 22 and THK 22

Suitable for	Connection material	Crimping range mm ²	Crimp profile	Page
Tubular cable lugs and connectors, Cu		. 1 0 . 0		
Tubular cable lugs and connectors blue connection for compacted conductors acc. to VDE 0295, class 2	blue connection	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	\bigcirc	435
Tubular cable lugs and connectors for solid conductors	0	1.5 - 16		435
Tubular cable lugs and connectors, Ni, stainless steel				
Tubular cable lugs and connectors, stainless steel	VA	0.5 - 16	\bigcirc	435
Tubular cable lugs and connectors, Ni	NI SOL	10 - 50	\otimes	435
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	6 - 300		436
Double crimping compression cable lugs	DIN	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, solder- less connectors (DIN 46341) Cu		10 - 70	\bigcirc	437
Insulated terminals and pin terminals		10 - 70	\bigcirc	437
Sleeves for compacted conductors and sector shaped conductors,	Cu			
Pre-rounding crimping dies for Al and Cu sector shaped conduc- tors, 3 and 4 core sector shaped conductors		10 sm - 300 se / 240 sm		437
Compression cable lugs and connectors acc. to DIN - Al				
Compression cable lugs and connectors acc. to DIN - Al	AI	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	Aldrey	25 - 185		438
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	25/4 - 120/20		439
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	25/4 - 120/20		439
Compression cable lugs and connectors - Al/Cu				
Compression cable lugs and connectors - Al/Cu	Al/Cu	10 - 300		438
Clamps and screw connectors				
C-clamps		4 - 50		439
H-clamps		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, trapezodial, for fine stranded conductors		10 - 240		440
Twin cable end-sleeves, trapezodial, for fine stranded conductors		2 x 4 - 2 x 16		441

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





PK 60 VP Hydraulic crimping head 10 - 240 mm²















- ▶ Suitable for crimping tubular cable lugs and connectors "standard type" and fine and superfine stranded conductors to 240 mm²
- ▶ The patented centring system guarantees every time optimum crimping results
- No additional dies required

- Quad-point indent crimping
- Wide crimping
- Open crimping head with quick coupling, under no pressure, rotates 360°
- For connecting to hydraulic pumps with 700 bar operating pressure for best possible crimping results

Technical data	
Crimping force	55 kN
Crimping range	10 - 240 mm²
Operating pressure	max. 700 bar
Weight	2.8 kg

Item	Part No.	
Hydraulic crimping head 10 - 240 mm ²	PK60VP	
Scope of supply	Part No.	Page
Carrying bag	TT2	217

Suitable for	Connection material	Crimping range mm²	Crimp profile
Tubular cable lugs standard type and tubular cable lugs for switchgear connections		10 - 240	\square
Connectors, Standard type		10 - 120	\square
Tubular cable lugs for fine stranded conductors		10 - 240	\square
Connector for fine stranded conductors		10 - 95	\square



PK 60 VP/FT Hydraulic crimping head 16 - 300 mm²

- Suitable for crimping tubular cable lugs and connectors "standard type" and fine and superfine stranded conductors to 300 mm²
- The patented centring system guarantees every time optimum crimping
- ▶ Closed crimping head ideal for utility lines construction

- Quad-point indent crimping
- Wide crimping
- Closed crimping head with quick coupling, flip top style, under no pressure, rotates 360°
- For connecting to hydraulic drive units with 700 bar operating pressure for best possible crimping results

Technical data		
Crimping force	55 kN	
Crimping range	16 - 300 mm²	
Operating pressure	max. 700 bar	
Length	315 mm	
Weight	2.8 kg	

Item Hydraulic crimping head 16 - 300 mm²	Part No. PK60VPFT	
Scope of supply	Part No.	Page
Carrying bag	TT2	217

Suitable for	Connection material	Crimping range mm ²	Crimp profile
Tubular cable lugs standard type and tubular cable lugs for switchgear connections		16 - 300	\square
Tubular cable lugs and connectors for fine stranded conductors		16 - 300	\square

















PK 120/42 Hydraulic crimping head 10 - 400 mm²













- Large crimping range up to 400 mm²
- ▶ C-head with large 42 mm opening width
- Up to 60% less crimping operations due to wide crimping compared with 6 t tools

Characteristics

- For interchangeable dies, series 13, wide crimping
- Crimping head with quick coupling, under no pressure, rotates 360°
- For connecting to hydraulic pumps with 700 bar operating pressure for best possible crimping results

Technical data	
Crimping force	130 kN
Stroke / opening width	42 mm
Crimping range	10 - 400 mm²
Operating pressure	max. 700 bar
Weight	4.5 kg

Item Hydraulic crimping head 10 - 400 mm²	Part No. PK12042	
Scope of supply	Part No.	Page
Carrying bag	TT2	217

THK 120 Hydraulic crimping tool for workbench mounting 10 - 400 mm²









- Large crimping range up to 400 mm²
- ▶ For workbench mounting
- ▶ BG-compliant version
- Up to 60% less crimping operations due to wide crimping compared with 6 t tools

- For interchangeable dies, series 13, wide crimping
- Quick coupling
- For connecting to hydraulic pumps with 700 bar operating pressure for best possible crimping results

Technical data	
Crimping force	120 kN
Crimping range	10 - 400 mm ²
Operating pressure	max. 700 bar
Weight	12 kg
Dimensions	H x W x D: 285 x 160 x 110 mm

Item	Part No.
Hydraulic crimping tool for work bench mounting 10 - 400 mm ²	THK120



Available dies for Series 13 for PK 120/42 and THK 120

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	blue connection	16 - 400		442
Tubular cable lugs and connectors, Cu, standard type, tubular cable lugs for switchgear connections		16 - 400		443
Insulated tubular cable lugs and connectors, insulated pin terminals		10 - 150		443
Tubular cable lugs and connectors for fine stranded conductors		16 - 150	\bigcirc	444
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	16 - 300		444
Double crimping compression cable lugs	DIN	2 x 50 - 2 x 95		444
Terminals, connectors and pin terminals acc. to DIN - Cu				
Terminals (DIN 46234) and pin terminals (DIN 46230) Cu, solderless connectors (DIN 46341) Cu	D	16 - 150	\bigcirc	445
Insulated terminals and pin terminals		10 - 95	\bigcirc	445
Sleeves for compacted conductors and sector shaped conductors,	Cu			
Pre-rounding crimping dies for Al and Cu sector shaped onductors, 3 and 4 core sector shaped conductors		10 sm - 300 se / 300 sm		445
Compression cable lugs and connectors acc. to DIN - Al				
Compression cable lugs and connectors acc. to DIN - Al	AI	10 - 240		446
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		446
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	25/4 - 120/20		446
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	25/4 - 120/20		447
Compression cable lugs and connectors - Al/Cu				
Compression cable lugs and connectors - Al/Cu	Al/Cu	10 - 240		446
Clamps and screw connectors				
C-clamps		10 - 70		447
H-clamps		70 - 120		447
Cable end-sleeves				
Cable end-sleeves		25 - 240		448
Cable end-sleeves, trapezodial, for fine stranded conductors		25 - 240		448

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





PK 120 U Hydraulic crimping head 10 - 400 mm²

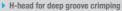












Up to 60% less crimping operations due to wide crimping compared with 6 t tools

- For interchangeable dies, series 13, wide crimping
- H-Form crimping head with quick coupling, under no pressure, rotates 360°
- For connecting to hydraulic pumps with 700 bar operating pressure for best possible crimping results

Technical data	
Crimping force	120 kN
Stroke / opening width	20 mm
Crimping range	10 - 400 mm²
Operating pressure	max. 700 bar
Length	320 mm
Weight	3.7 kg

Item	Part No.	
Hydraulic crimping head 10 - 400 mm ²	PK120U	
Scope of supply	Part No.	Page
Carrying bag	TT2	217



Available dies for Series 13 for PK 120 U

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	blue connection	16 - 400		442
Tubular cable lugs and connectors, Cu, standard type, tubular cable lugs for switchgear connections		16 - 400		443
Insulated tubular cable lugs and connectors, insulated pin terminals		10 - 150		443
Tubular cable lugs and connectors for fine stranded conductors		16 - 150	\bigcirc	444
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	16 - 300		444
Double crimping compression cable lugs	DIN	2 x 50 - 2 x 95		444
Terminals, connectors and pin terminals acc. to DIN - Cu				
Terminals (DIN 46234) and pin terminals (DIN 46230) Cu, solderless connectors (DIN 46341) Cu		16 - 150	\bigcirc	445
Insulated terminals and pin terminals	I	10 - 95	\bigcirc	445
Sleeves for compacted conductors and sector shaped conductors,	Cu			
Pre-rounding crimping dies for Al and Cu sector shaped conduc- tors, 3 and 4 core sector shaped conductors		10 sm - 300 se / 300 sm		445
Compression cable lugs and connectors acc. to DIN - Al				
Compression cable lugs and connectors acc. to DIN - Al	AI	10 - 240		446
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182, Al conductors DIN EN 50182, 120 - 185 mm²	Aidrey	25 - 185		446
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	25/4 - 120/20		446
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	25/4 - 120/20		447
Compression cable lugs and connectors - Al/Cu				
Compression cable lugs and connectors - Al/Cu	Al/Cu	10 - 240		430
Clamps and screw connectors				
C-clamps		10 - 70		447
H-clamps		70 - 120		447
Cable end-sleeves				
Cable end-sleeves		25 - 240		448
Cable end-sleeves, trapezodial, for fine stranded conductors		25 - 240		448

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



PK 25/2 Hydraulic crimping head 16 - 625 mm²



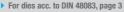












- Very large crimping range to 625 mm²
- For connecting to hydraulic pumps with 700 bar operating pressure for best possible crimping results

- For interchangeable dies, series 25, wide crimping
- Crimping head with quick coupling, under no pressure, rotates 360°

Technical data	
Crimping force	250 kN
Stroke / opening width	20 mm
Crimping range	16 - 625 mm²
Operating pressure	max. 700 bar
Length	335 mm
Weight	5.3 kg

Item	Part No.	
Hydraulic crimping head 16 - 625 mm ²	PK252	
Scope of supply	Part No.	Page
Carrying bag	TT2	217



Available dies for Series 25 for PK 25/2

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		16 - 400		449
Insulated tubular cable lugs and connectors, insulated pin terminals		10 - 150		449
Tubular cable lugs and connectors for fine stranded conductors		16 - 300	\bigcirc	450
Compression cable lugs and connectors acc. to DIN - Cu				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu	DIN	16 - 625		450
Double crimping compression cable lugs	DIN	2 x 50 - 2 x 120		450
Terminals, connectors and pin terminals acc. to DIN - Cu				
Terminals (DIN 46234) and pin terminals (DIN 46230) Cu, solder-less connectors (DIN 46341) Cu		16 - 240	\bigcirc	451
Insulated terminals and pin terminals		10 - 150	\bigcirc	451
Sleeves for compacted conductors and sector shaped conductors,	Cu			
Pre-rounding crimping dies for Al and Cu sector shaped conductors, 3 and 4 core sector shaped conductors	*	10 sm - 300 se / 300 sm		451
Compression cable lugs and connectors acc. to DIN - Al				
Compression cable lugs and connectors acc. to DIN - Al	AI	10 - 500		452
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182, Al conductors DIN EN 50182, 120 - 300 mm²	Aldrey	25 - 300		452
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping	Al/St	25/4 - 120/20		452
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping	Al/St	25/4 - 120/20		453
Aluminum/copper compression cable lugs and connectors				
Aluminum/copper compression cable lugs and connectors	Al/Cu	10 - 500		452
Clamps and screw connectors				
C-clamps		10 - 185		453
H-clamps		70 - 120		453
Cable end-sleeves				
Cable end-sleeves		25 - 240		454
Cable end-sleeves, trapezodial, for fine stranded conductors		25 - 240		454

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



PK 45 Hydraulic crimping head 120 - 1000 mm²





- Sturdy construction for safe working
- For connecting to hydraulic pumps with 700 bar operating pressure for best possible crimping results

Characteristics

- For interchangeable dies, series 45, wide crimping
- Crimping head with quick coupling, under no pressure, rotates 360°

Technical data			
Crimping force	450 kN		
Crimping range	120 - 1000 mm²		
Operating pressure	max. 700 bar		
Weight	10.3 kg		
Height	265 mm		
Item		Part No.	
Hydraulic crimping head 1:	20 - 1000 mm²	PK45	
Scope of supply		Part No.	Page
Carrying bag		TT2	217

Available dies for Series 45 for PK 45

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	120 - 1000		455
Compression cable lugs and connectors acc. to DIN - Al				
Compression cable lugs and connectors acc. to DIN - Al	AI	150 - 500		455
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182, Al conductors DIN EN 50182, 150 - 300 mm ²	Aldrey	150 - 300		455

PK 1000 Hydraulic crimping head, 100 t, up to 1600 mm²









- Single-acting crimping head for connecting to hydraulic pumps with 700 bar operating pressure
- Compact, simple design
- Extremely high crimping force

Characteristics

- For interchangeable dies (outer: to IZUMI standard EP-100W, inside: DIN standard or customer request)
- Nickel-plated version
- Quick coupling

Order info

Also available in country-specific version, part number appendix "C"

Technical data		
Crimping force	1000 kN	
Stroke	25 mm	
Crimping range	up to 1600 mm ²	
Operating pressure	max. 700 bar	
Weight	without dies: 27 kg	
Height	Incl. handles: 365 mm	
Dimensions	Outer diameter: 195 mm	
Item		Part No.
Hydraulic 100 t crimping h	ead with Cejn coupling	PK1000



SDG 45 Hydraulic cutting head 45 mm dia.

- High cutting force cuts armoured copper and aluminum cables and Al/St cables (ACSR)
- Also suitable for round material made of Al, Cu and Steel
- > Extremely robust design and lightweight

Characteristics

- Closed head with bolt interlock, flip open jaws
- Cutting head with quick coupling, under no pressure, rotates 360°
- For connecting to hydraulic pumps with 700 bar operating pressure for best possible cutting results

To the Control date			
Technical data			
Cutting range	max. 45 mm dia.		
Cutting force	60 kN		
Operating pressure	max. 700 bar		
Length	340 mm		
Weight	3.8 kg		
Item		Part No.	
Hydraulic cutting head 45	mm dia.	SDG45	
Scope of supply		Part No.	Page

Accessories	Part No. P	age
Outer fixed blade	ESG45EF	
Inner moving blade	ESG45ES1	





217









SDG 50 Hydraulic cutting head 48 mm dia.

- Cuts copper and aluminum cables with light weight steel armouring (depending on cable type)
- Low weight

Carrying bag

- Closed crimping head, flip top style
- Cutting head with quick coupling, under no pressure, rotates 360°
- For connecting to hydraulic pumps with 700 bar operating pressure for best possible cutting results

Technical data	
Cutting range	max. 48 mm dia.
Cutting force	60 kN
Operating pressure	max. 700 bar
Length	330 mm
Weight	2.5 kg

Item	Part No.	
Hydraulic cutting head 48 mm dia.	SDG50	
Scope of supply	Part No.	Page
Carrying bag	TT2	217

Accessories	Part No. Page
Inner moving blade	ESG50ES
Outer fixed blade	ESG50EF1











ESG50ES



SDG 55 Hydraulic cutting head 55 mm dia.













 High cutting force cuts armoured copper and aluminum cables and Al/St cables (ACSR)

Klauke®

- Also suitable for round material made of Al, Cu and Steel
- ▶ 120 kN cutting force for maximum output

Characteristics

- Closed cutting head with bolt interlock, flip top style, under no pressure, rotates 360°, with quick coupling
- For connecting to hydraulic pumps with 700 bar operating pressure
- Ergonomic handling through handle

max. 55 mm dia.
120 kN
max. 700 bar
380 mm
5.6 kg

Item	Part No.	
Hydraulic cutting head 55 mm dia.	SDG55	
Scope of supply	Part No.	Page
Carrying bag	TT2	217

Accessories	Part No.	Page
Outer fixed blade	ESG55EF	
Inner moving blade	ESG55ES	

SDG 65 Hydraulic cutting head 65 mm dia.









ES65E

- Cuts copper and aluminum cables with light weight steel armouring (depending on cable type)
- Also suitable for fine stranded cable
- Safe working due to high ground stability by double stops

- Open cutting head with quick coupling, under no pressure, rotates 360°
- For connecting to hydraulic pumps with 700 bar operating pressure

Technical data		
Cutting range	max. 65 mm dia.	
Cutting force	42 kN	
Operating pressure	max. 700 bar	
Length	425 mm	
Weight	4.7 kg	

SDK65	
Part No.	Page
	217
	TT2

Accessories	Part No.	Page
Replacement blade	ES65E	



SDG 85/2 Hydraulic cutting head 85 mm dia.

- High user safety through cutting head with bolt interlock
- Exceptionally light and compact design
- Cuts copper and aluminum cables with light weight steel armouring (depending on cable type)

Characteristics

- Closed cutting head with bolt interlock, flip top style, under no pressure, rotates 360°, with quick coupling
- For connecting to hydraulic drive units with 700 bar operating pressure for the best possible cutting results
- Handle enables easy handling

Technical data			
Cutting range	max. 85 mm dia.		
Cutting force	60 kN		
Operating pressure	max. 700 bar		
Length	445 mm		
Weight	4.3 kg		
Item		Part No.	
Hydraulic cutting head 85	mm dia.	SDG852	
Scope of supply		Part No.	Page
Carrying bag		TT2	217
Accessories		Part No.	Page

ESG85EF1

ESG85ES1

Part No

ES85E



SDG 85 Hydraulic cutting head 85 mm dia.

- Cuts copper and aluminum cables with light weight steel armouring (depending on cable type)
- > Suitable for fine stranded cable and telecommunication cable
- Exceptionally light and compact design
- > Safe working due to high ground stability by double stops

Characteristics

Accessories

Replacement blade

Outer fixed blade

Inner moving blade

- Open cutting head with quick coupling, under no pressure, rotates 360°
- For connecting to hydraulic pumps with 700 bar operating pressure for best possible cutting results
- Uniform cut by knife guide

Technical data			
Cutting range	max. 85 mm dia.		
Cutting force	30 kN		
Operating pressure	max. 700 bar		
Length	450 mm		
Weight	5.2 kg		
Item		Part No.	
Hydraulic cutting head 85	mm dia.	SDK85	
Scope of supply		Part No.	Page
Carrying bag		TT2	217







SDG 105 Hydraulic cutting head 105 mm dia.











- Cuts copper and aluminum cables (for armoured cables)
- ▶ 120 kN cutting force for extremely wide cutting range up to 105 mm dia.
- Exceptionally light and compact design

Characteristics

- Closed cutting head with bolt interlock, under no pressure, rotates 360°, with quick coupling
- Compact design permits cutting also in constricted places
- Handle enables easy handling
- For connecting to hydraulic pumps with 700 bar operating pressure for best possible cutting results

Technical data			
Cutting range	max. 105 mm dia.		
Cutting force	120 kN		
Operating pressure	max. 700 bar		
Length	432 mm		
Weight	7.7 kg		
Item		Part No.	
Hydraulic cutting head 105 mm	dia.	SDG105	
Scope of supply		Part No.	Page
Carrying bag		TT2	217

Accessories	Part No.	Page
Inner moving blade	ESG105ES	
Outer fixed blade	ESG105EF	

SDK 105 Hydraulic cutting head 105 mm dia.







ES105E

- Cuts copper and aluminum cables with light weight steel armouring (depending on cable type)
- Extremely wide cutting range up to 105 mm dia. also for fine stranded cables
- ▶ Exceptionally light and compact design
- > Safe working due to high ground stability by double stops

- Open cutting head with quick coupling, under no pressure, rotates 360°
- For connecting to hydraulic pumps with 700 bar operating pressure for best possible cutting results
- High ground stability by double stops

Technical data	
Cutting range	max. 105 mm dia.
Cutting force	74 kN
Operating pressure	max. 700 bar
Length	510 mm
Weight	7.7 kg

Item	Part No.	
Hydraulic cutting head 105 mm dia.	SDK105	
Scope of supply	Part No.	Page
Carrying bag	TT4	217

Accessories	Part No.	Page
Replacement blade	ES105E	



SDK 120 Hydraulic cutting head 120 mm dia.

- Cuts copper and aluminum cables with light weight steel armouring (depending on cable type)
- Extremely wide cutting range up to 120 mm dia. also for fine stranded cables
- ▶ Exceptionally light and compact design
- ▶ Safe working due to high ground stability by double stops

- Open cutting head with quick coupling, under no pressure, rotates 360°
- High ground stability by double stops
- For connecting to hydraulic drive units with 700 bar operating pressure for the best possible cutting results

Technical data		
Cutting range	max. 120 mm dia.	
Cutting force	55 kN	
Operating pressure	max. 700 bar	
Length	538 mm	
Weight	8.7 kg	

Item	Part No.	
Hydraulic cutting head 120 mm dia.	SDK120	
Scope of supply	Part No.	Page
Carrying bag	TT4	217

Accessories	Part No.	Page
Replacement blade	ES120E	









ES120E



Drive

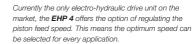
with a system.

Hydraulic drive units for Klauke tools.

Klauke stands for connections with system. This applies for both tool and connecting material combinations as well as for individual components within hydraulic tools and systems. All system pumps are capable of driving all Klauke crimping, cutting and universal heads. In addition, individual types with appropriate functions can also be connected to the Bus Bar Tool centre.

All system pumps are precisely matched to Klauke tools and generate 700 bar pressure.







- System pumps with 700 bar pressure:
 - Foot pumps
 - Electric pumps for 115 V to 400 V
 - 18 V battery powered hydraulic pump, with Li-ion technology.
- For driving:
 - Crimping heads and crimping tools for workbench mounting
 - Cutting heads
 - Bus bar processing centres.



FHP 2 Foot pump 700 bar

- Two-stage hydraulics
- Manual retraction in case of need and at high pressure end
- > Sturdy design

Characteristics

- For the operation of hydraulic crimping and cutting heads
- Automatic pressure switch off

Technical data	700 has		
Operating pressure	max. 700 bar		
Weight	12 kg		
Item		Part No.	
Foot pump 700 bar		FHP2	
Scope of supply		Part No.	Page
Hydraulic hose, 2m		HS22	402

Accessories	Part No.	Page
Hydraulic hose, 3m	HS23	402
Hydraulic hose, 4m	HS24	402
Hydraulic hose, 5m	HS25	402
Hydraulic hose, 6m	HS26	402
Hydraulic hose, 8m	HS28	402
Hydraulic hose, 10m	HS210	402
Digital meter for force and pressure measurement	TC1U	406
Pressure sensor 1000 bar	TP1000	406





PHD 2 Pneumatic hydraulic booster, 700 bar

Manual retraction in case of need and at high pressure end

Characteristics

For the operation of hydraulic crimping and cutting heads

Technical data			
Required air pressure	max. 6 bar		
Operating pressure	max. 700 bar		
Weight	6.3 kg		
Item		Part No.	
Pneumatic-hydraulic pressure transmitter		PHD2	
Scope of supply		Part No.	Page
Hydraulic hose 2m		HS22	402

Accessories	Part No.	Page
Hydraulic hose, 3m	HS23	402
Hydraulic hose, 4m	HS24	402
Hydraulic hose, 5m	HS25	402
Hydraulic hose, 6m	HS26	402
Hydraulic hose, 8m	HS28	402
Hydraulic hose, 10m	HS210	402
Digital meter for force and pressure measurement	TC1U	406
Pressure sensor 1000 bar	TP1000	406







EHP 2 Electro hydraulic drive unit 400 V, 700 bar







▶ Compact dimensions and low weight combined with high conveying capacity

KlauKe®

- With three-phase motor
- For the operation of hydraulic crimping and cutting heads
- Hydraulic hose, 2 m
- Connecting cable, 4 m
- Three-stage safety foot switch
- Electronic control
- 70% power-on time

Technical data	
Version	Three-phase motor
Rated output	0.55 kW
Motor voltage	360 V - 440 V / 50 Hz
Capacity	0.82 I / min.
Operating pressure	max. 700 bar
Weight	22.9 kg
Operating mode	70% power-on time

operating mode 70 /0 power-on time		
Item	Part No.	
Electro-hydraulic pump, 700 bar	EHP2380	
Scope of supply	Part No.	Page
Hydraulic hose, 2m	HS22	402
Foot switch for electro-hydraul. pumps EHP 2 to EHP 4 and HK 12/2 FI.	FTA1	402

Accessories	Part No.	Page
Transport trolley for electro-hydraulic pump EHP 2	TW50	401
Two-hand safety controller for pumps EHP 2 to EHP 4	ZST3	402
Hydraulic hose, 3m	HS23	402
Hydraulic hose, 4m	HS24	402
Hydraulic hose, 5m	HS25	402
Hydraulic hose, 6m	HS26	402
Hydraulic hose, 8m	HS28	402
Hydraulic hose, 10m	HS210	402
Digital meter for force and pressure measurement	TC1U	406
Pressure sensor 1000 bar	TP1000	406
Adapter Klauke sleeve to Greenlee plug	CMGSK	



EHP 3 Electro hydraulic drive unit 400 V, 700 bar

- Continuous operation
- ▶ High conveying capacities with compact dimensions

- With three-phase motor
- For the operation of hydraulic crimping and cutting heads
- Hydraulic hose, 2 m
- Connecting cable, 4 m
- Three-stage safety foot switch
- Electronic control

Technical data			
Version	Three-phase motor		
Rated output	1.1 kW		
Motor voltage	360 V - 440 V / 50 - 60 Hz		
Capacity	0.9 I / min.		
Operating pressure	max. 700 bar		
Weight	40.9 kg		
Operating mode	100% power-on time		
Item		Part No.	
Electro-hydraulic pump, 700 ba	ar	EHP3	
Scope of supply		Part No.	Page
Hydraulic hose, 2m		HS22	402
Foot switch for electro-hydraul HK 12/2 EL	pumps EHP 2 to EHP 4 and	FTA1	402

Accessories	Part No.	Page
Two-hand safety controller for pumps EHP 2 to EHP 4	ZST3	402
Hydraulic hose, 3m	HS23	402
Hydraulic hose, 4m	HS24	402
Hydraulic hose, 5m	HS25	402
Hydraulic hose, 6m	HS26	402
Hydraulic hose, 8m	HS28	402
Hydraulic hose, 10m	HS210	402
Digital meter for force and pressure measurement	TC1U	406
Pressure sensor 1000 bar	TP1000	406
Transport trolley for electro-hydraulic pump EHP 3	TWEHP3	401
Adapter Klauke sleeve to Greenlee plug	CMGSK	









EHP 4 Electro hydraulic drive unit, 700 bar



- Manually adjustable piston stroke speed / volume of the pump
- Closed, compact and lockable housing (IP54 or higher) to protect against humidity, dust and unauthorised manipulation
- High capacity

Characteristics

- Compatibility with hydraulic crimping and cutting heads of Klauke
- To connect bus bar tool centre with adapter CMGSK
- For use in conjunction with the LSK 120 with adapter CMGSK for punching bus bars
- Compatibility with Greenlee punching tools (round and special shape punches) with adapter CMGSK
- Manually adjustable piston stroke speed / volume of the pump

Order info

■ The hydraulic pumps can be individually configured as customer-specific system.

Technical data			
Version	AC		
Rated output	0.75 kW		
Motor voltage	EHP4115: 115V/50 Hz, EHP4230	: 230V/50 Hz	
Capacity	0.82 I / min.		
Operating pressure	max. 700 bar		
Weight	28.3 kg		
Operating mode	70% power-on time		
Item		Part No.	
Electro-hydraulic pump, 11	15 V	EHP4115	
Electro-hydraulic pump, 23	30 V	EHP4230	
Scope of supply		Part No.	Page
Hydraulic hose, 3m		HS23	402
Foot switch for electro-hyd HK 12/2 EL	draul. pumps EHP 2 to EHP 4 and	FTA1	402

Accessories	Part No.	Page
Two-hand safety controller for pumps EHP 2 to EHP 4	ZST3	402
Hydraulic hose, 3m	HS23	402
Hydraulic hose, 4m	HS24	402
Hydraulic hose, 5m	HS25	402
Hydraulic hose, 6m	HS26	402
Hydraulic hose, 8m	HS28	402
Hydraulic hose, 10m	HS210	402
Digital meter for force and pressure measurement	TC1U	406
Pressure sensor 1000 bar	TP1000	406
Transport trolley for electro-hydraulic pump EHP 4	TW150	401
Adapter Klauke sleeve to Greenlee plug	CMGSK	





AHP 700-L Battery powered hydraulic pump, 700 bar

- ▶ Compact and lightweight for mobile use
- High capacity
- Suitable for operating all single-acting Klauke crimping, cutting and punching tools with 700 bar operating pressure

Characteristics

- Programme-switching between crimping, cutting, and punching
- Housing from impact-resistant, fibreglass reinforced polyamide
- Large display for monitoring, diagnostics and setting the pump
- Two powerful, high-capacity Li-lon batteries
- High-performance motor for maximum operating speed
- Automatic retraction
- Manual retract in case of need
- Manual retract interrupt with "teach in" (MRS+)
- Remote control with cable for easy operation of the battery-operated pump
- Integrated storage compartment for storing the remote control
- Multifunction LED for maintenance control, charge level indicator of the batteries and for data transmission to PC via USB adapter
- Environmentally-friendly hydraulic oil, quickly biodegradable
- All high-pressure hoses have coupling plug and coupling sleeve, oil filled
- Shoulder strap with padding for high wearing comfort

Order info

Also available in country-specific version, part number appendix "C"

Technical data	
Battery voltage	18 V
Battery capacity	2 x 3.0 Ah, Li-lon
Charging time	22 min.
Weight incl. battery	(with two batteries) approx. 6.4 kg
Ambient temperature	-12°C to +40 °C
Operating pressure	max. 700 bar
Max. oil volume;	approx. 800 ml
Dimensions	H x W x D: 330 x 160 x 280 mm

Item Battery powered hydraulic pump, 700 bar			art No.	
Scope of supply Battery 18 V / 3.0 Ah, Li-lon (54 Wh)	Part I RAL		Quantity 2	Page 398
Quick-charger for 18V Li-lon batteries, 230 V	LGL	.1	1	400
Hydraulic hose, 2m, oil filled	HS0E	L2	1	403
Carrying strap with shoulder padding	TG	3	1	
Carrying bag	TT2	2	1	217
Remote control with 1.5 m cable	HTA	4	1	404

Accessories	Part No.	Page
Hydraulic hose, 3m, oil filled	HS0EL3	403
Hydraulic hose, 4m, oil filled	HS0EL4	403
Hydraulic hose, 5m, oil filled	HS0EL5	403
Hydraulic hose, 6m, oil filled	HS0EL6	403
Hydraulic hose, 8m, oil filled	HS0EL8	403
Hydraulic hose, 10m, oil filled	HS0EL10	403
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408
Digital meter for force and pressure measurement	TC1U	406
Two-hand safety control for battery powered hydraulic pump AHP 700-L	ZST4	402
Foot switch for battery powered hydraulic pump AHP 700-L	FTA4	402
Pressure sensor 1000 bar	TP1000	406

































System solutions

for special requirements.

Hydraulic systems for crimping, cutting, bending and punching.

Hydraulic systems offer a host of applications: crimping especially large connecting materials, cutting cables with large diameters or cutting potentially live cables. The scope of supply includes drive units, tools, high-pressure hoses and transport aids such as boxes or trolleys.

Thanks to the various drive types, for instance with foot pump, hydraulic pumps without an external energy supply or driven by electric motors, there's a solution for every application.





- Hydraulic crimping system to 450 kN.
- Hydraulic cutting systems to 120 mm dia.
- GS-tested safety cutting tools.



Ideal for large cross sections and diameters.

- Crimping systems with 1000 kN crimping force for nominal cross sections up to 1600 mm².
- Hydraulic cutting systems for copper and aluminum cables without armouring up to 120 mm dia.
- Extremely sturdy crimping and cutting heads.
- ▶ Systems can be configured with various hose lengths from 2 m to 10 m.
- Drive via foot or 230 V and 400 V electric pumps.





Benefits:

- Perfectly matched crimping and cutting systems are available for frequent applications.
- Systems with foot pumps work without an external power supply and are ideal for mobile use.
- Crimping and cutting systems with electric pumps offer increased comfort.
- The various hose lengths allow optimised adjustment to individual working situations.

■ Safe cutting operations even **on live cables**.

- Tested safety cutting devices for cutting live cables.
- Tested tools certified to GS.
- With electro-hydraulic drive or with foot pump.

Benefits:

- Increased safety since live cables can be cut without risk.
- These cutting tools, tested by the government safety organisation, offer the highest possible level of safety for the user.
- Thanks to its compact design, the battery powered hydraulic version is much lighter than alternative systems.





HK 25/2 Hydraulic crimping tool with foot pump 16 - 625 mm²















- Extremely wide cross section range up to 625 mm²
- Hydraulic system with 250 kN crimping force
- ▶ Foot pump with two-stage hydraulics

Characteristics

- For interchangeable dies, series 25, wide crimping
- H-Form crimping head with quick coupling, under no pressure, rotates 360°
- Manual retraction in case of need and at high pressure end

Order info

■ The wide choice of available crimping dies can be found in the catalogue, chapter "Crimping dies" under Series 25.

Technical data	
Crimping force	250 kN
Crimping range	16 - 625 mm²
Operating pressure	max. 700 bar
Weight	17.6 kg

weight 17.0 kg		
Item	Part No.	
Hydraulic crimping tool with foot pump 16 - 625 mm ²	HK252	
Scope of supply	Part No.	Page
Hydraulic hose, 2m	HS22	402
Steel carrying case	MKU	216

Accessories	Part No.	Page
Hydraulic hose, 3m	HS23	402
Hydraulic hose, 4m	HS24	402
Hydraulic hose, 5m	HS25	402
Hydraulic hose, 6m	HS26	402
Hydraulic hose, 8m	HS28	402
Hydraulic hose, 10m	HS210	402
Digital meter for force and pressure measurement	TC1U	406
Pressure sensor 1000 bar	TP1000	406



HK 45 Hydraulic crimping tool with foot pump 120 - 1,000 mm²

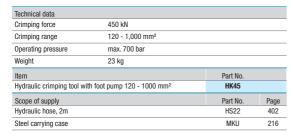
- Extremely large cross section range to 1000 mm²
- Hydraulic system with 450 kN crimping force
- ▶ Foot pump with two-stage hydraulics

Characteristics

- For interchangeable dies, series 45, wide crimping
- Crimping head, H-shape with quick coupling
- Manual retraction in case of need and at high pressure end
- High-pressure hose, 2 m

Order info

■ The wide choice of available crimping dies can be found in the catalogue, chapter "Crimping dies" under Series 45.



Accessories	Part No.	Page
Hydraulic hose, 3m	HS23	402
Hydraulic hose, 4m	HS24	402
Hydraulic hose, 5m	HS25	402
Hydraulic hose, 6m	HS26	402
Hydraulic hose, 8m	HS28	402
Hydraulic hose, 10m	HS210	402
Digital meter for force and pressure measurement	TC1U	406
Pressure sensor 1000 bar	TP1000	406















KlauKe®



HK 12/2 EL/380 Hydraulic crimping tool with pump 400V, 16 - 400 mm²





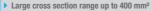












- ▶ C-head with 42 mm opening width
- ▶ For mobile use due to transport trolley and long cable

Characteristics

- For interchangeable dies, series 13, wide crimping
- C-Form crimping head with quick coupling, under no pressure, rotates 360°
- Electronic control with three-phase motor

Order info

The wide choice of available crimping dies can be found in the catalogue, chapter "Crimping dies" under Series 13.

Technical data	
Crimping force	120 kN
Crimping range	16 - 400 mm²
Version	Three-phase motor 400 V
Rated output	0.55 kW
Motor voltage	360 V - 440 V / 50 Hz
Capacity	0.82 l / min.
Operating pressure	max. 700 bar
Weight	44.5 kg

Item Crimping tool with pump, 16 - 400 mm², 400 V	Part No. HK122EL380	
Scope of supply Hydraulic hose, 2m	Part No. HS22	Page 402
Foot switch for electro-hydraul. pumps EHP 2 to EHP 4 and HK 12/2 EL	FTA1	402
Transport trolley for electro-hydraulic pump EHP 2	TW50	401

Accessories	Part No.	Page
Hydraulic hose, 3m	HS23	402
Hydraulic hose, 4m	HS24	402
Hydraulic hose, 5m	HS25	402
Hydraulic hose, 6m	HS26	402
Hydraulic hose, 8m	HS28	402
Hydraulic hose, 10m	HS210	402
Two-hand safety controller for pumps EHP 2 to EHP 4	ZST3	402
Digital meter for force and pressure measurement	TC1U	406
Pressure sensor 1000 bar	TP1000	406



HK 25/2 EL/380 Hydraulic crimping tool with pump 400 V, 16 - 625 mm²

- Extremely wide cross section range up to 625 mm²
- Crimping head, H-shape
- For mobile use due to transport trolley and long cable

Characteristics

- For interchangeable dies, series 25, wide crimping
- H-Form crimping head with quick coupling, under no pressure, rotates 360°
- Electronic control with three-phase motor

Order info

The wide choice of available crimping dies can be found in the catalogue, chapter "Crimping dies" under Series 25.

Technical data	
Crimping force	250 kN
Crimping range	16 - 625 mm²
Version	Three-phase motor 400 V
Rated output	0.55 kW
Motor voltage	360 V - 440 V / 50 Hz
Capacity	0.82 I / min.
Operating pressure	max. 700 bar
Weight	45.9 kg

Item Crimping tool with pump, 16 - 625 mm², 400 V	Part No. HK252EL380	
Scope of supply Hydraulic hose, 2m	Part No. HS22	Page 402
Foot switch for electro-hydraul. pumps EHP 2 to EHP 4 and HK 12/2 EL	FTA1	402
Transport trolley for electro-hydraulic pump EHP 2	TW50	401

Accessories	Part No.	Page
Hydraulic hose, 3m	HS23	402
Hydraulic hose, 4m	HS24	402
Hydraulic hose, 5m	HS25	402
Hydraulic hose, 6m	HS26	402
Hydraulic hose, 8m	HS28	402
Hydraulic hose, 10m	HS210	402
Two-hand safety controller for pumps EHP 2 to EHP 4	ZST3	402
Digital meter for force and pressure measurement	TC1U	406
Pressure sensor 1000 bar	TP1000	406

















AS 65 FHP Hydraulic cutting tool with foot pump, 65 mm dia.











ES65E

- Cuts copper and aluminum cables with light weight steel armouring (depending on cable type)
- Also suitable for fine stranded cable
- > Safe working due to high ground stability by double stops
- ▶ Foot pump with two-stage hydraulics

- Open cutting head with quick coupling, under no pressure, rotates 360°
- Manual retraction in case of need and at high pressure end
- Hydraulic hose, 2 m

Technical data	
Cutting range	max. 65 mm dia.
Operating pressure	max. 700 bar
Weight	16.7 kg

Item Hydraulic cutting tool with foot pump 65 mm dia.	Part No. AS65FHP	
Scope of supply	Part No.	Page
Hydraulic hose, 2m	HS22	402
Steel carrying case	MKU	216

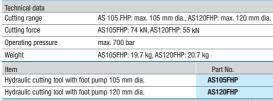
Accessories	Part No.	Page
Hydraulic hose, 3m	HS23	402
Hydraulic hose, 4m	HS24	402
Hydraulic hose, 5m	HS25	402
Hydraulic hose, 6m	HS26	402
Hydraulic hose, 8m	HS28	402
Hydraulic hose, 10m	HS210	402
Digital meter for force and pressure measurement	TC1U	406
Pressure sensor 1000 bar	TP1000	406
Replacement blade	ES65E	



AS 105 FHP / AS 120 FHP Hydraulic cutting tools with foot pump, 105 and 120 mm dia.

- Cuts copper and aluminum cables with light weight steel armouring (depending on cable type)
- > Suitable for fine stranded cable and telecommunication cable
- ▶ Safe working due to high ground stability by double stops
- Extremely wide cutting range up to 120 mm dia., also for fine stranded cables

- Foot pump with two-stage hydraulics
- Open cutting head with quick coupling, under no pressure, rotates 360°
- Manual retraction in case of need and at high pressure end
- Hydraulic hose, 2 m



Item	Part No.	
Hydraulic cutting tool with foot pump 105 mm dia.	AS105FHP	
Hydraulic cutting tool with foot pump 120 mm dia.	AS120FHP	
Scope of supply	Part No.	Page
Hydraulic hose, 2m	HS22	402
Steel carrying case	MKU	216

Accessories	Part No.	Page
Hydraulic hose, 3m	HS23	402
Hydraulic hose, 4m	HS24	402
Hydraulic hose, 5m	HS25	402
Hydraulic hose, 6m	HS26	402
Hydraulic hose, 8m	HS28	402
Hydraulic hose, 10m	HS210	402
Digital meter for force and pressure measurement	TC1U	406
Pressure sensor 1000 bar	TP1000	406
Replacement blade	ES105E	
Replacement blade	ES120E	









SSG Hydraulic safety cutting unit with foot pump up to max. 105 mm dia.



KlauKe*safety cutter

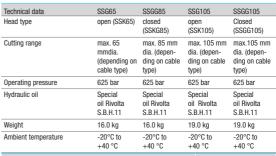


- Cutting head with quick coupling, 360° rotatable
- Two-stage hydraulics
- Manual retraction in case of need and at high pressure end

BG-tested safety cutting unit guarantees safe cuts of live copper and aluminum cables without steel armouring up to a rated voltage of 60 kV Single-conductor lives cables without steel armouring can be cut under

Safety high-pressure hose, 10 m

voltage of up to 110 kV/60 Hz



Item	Part No.	
Hydraulic safety cutting unit with foot pump max. 65 mm dia.	SSG65	
Hydraulic safety cutting unit with foot pump max. 85 mm dia.	SSGG85	
Hydraulic safety cutting unit with foot pump max. 105 mm dia.	SSG105	
Hydraulic safety cutting unit with foot pump max. 105 mm dia.	SSGG105	
Scope of supply	Part No.	Page
Safety/hydraulic hose, 10 m		
Earthing kit	EG1	
Steel carrying case	MKSSG	

Accessories	Part No.	Page
Heat protection cover 1.80 m x 1.80 m	HSD1	
Heat protection cover 1.20 m x 0.90 m	HSD2	
Heat protection cover 0.45 m x 0.60 m	HSD3	

Replacement blade for	SSG65	SSGG85	SSG105	SSGG105
ES65E	•			
ES105E			•	
ESG85EF1		•		
ESG85ES1		•		
ESG105EF				•
ESG105ES				•















SSK65

SSKG85





SSK105



ESSG Battery powered hydraulic safety cutting units up to max. 105 mm dia.

- BG-tested safety cutting unit guarantees safe cuts of live copper and aluminum cables without steel armouring up to a rated voltage of 60 kV
- Single-conductor lives cables without steel armouring can be cut under voltage of up to 110 kV/60 Hz
- Powerful 3.3 Ah Li-lon battery

- 2-stage hydraulic system with fast feed and power stroke
- Quick motor stop for high user safety
- Electronic control
- Multifunction LED for maintenance control and charging display of the battery
- LED display for service interval after 250 cuts
- 10 m non-conducting high-pressure hose with a coupling to connect to pump

Technical data	ESSG65I	ESSGG85L	E	ESSG105L	
Head type	open (SSK65)	closed (SSKG	35) o	open (SSK105)	
Cutting range	max. 65 mm dia. (depending on cable type)	max. 85 mm (depending or cable type)	1 (0	max. 105 mm dia. (depending on cable type)	
Cutting force	35 kN	60 kN	80 kN		
Cutting time	approx. 21 s 40 s	approx. 21 s	40 s approx. 21s 40 (depending on cable sizes)		
Operating pressure	625 bar	625 bar	6	625 bar	
Battery voltage	18 V	18 V	1	18 V	
Battery capacity	3.3 Ah, Li-lon	3.3 Ah, Li-lon	3	3.3 Ah, Li-lon	
Charging time	60 min.	60 min.	6	60 min.	
Hydraulic oil	Special oil Rivolta S.B.H.11	Special oil Riv S.B.H.11	rolta Special oil Rivolta S.B.H.11		
Weight	10.12 kg	9.98 kg	13.13 kg		
Ambient temperature	-20°C to +40 °C	-20°C to +40	°C -20°C to +40 °C		
Item Battery powered hydraulic:	cafety cutting unit may (65 mm	Part No. ESSG65L		
	, , ,			G85L	
Battery powered hydraulic safety cutting unit, max. Ø 85 mm Battery powered hydraulic safety cutting unit. max. Ø 105 mm				105L	
, ,	saroty outling arms, man p				Dana
Scope of supply Battery 18 V / 3.3 Ah, Li-lon	(54 Wh)		Part I		Page 398
Charger for 18 V Li-lon batteries					401
Plastic case for ESSG65L and ESSG105L			KKES	SSGL	
Plastic case for ESSGG85L			KKESS	GG85L	
Earthing kit			E	G1	
Accessories			Part	t No.	Page
Heat protection cover 1.80 m x 1.80 m			HS	D1	394

Accessories	Part No.	Page
Heat protection cover 1.80 m x 1.80 m	HSD1	394
Heat protection cover 1.20 m x 0.90 m	HSD2	394
Heat protection cover 0.45 m x 0.60 m	HSD3	394
USB adapter	PGA1	408

Replacement blade for	ESSG65L	ESSGG85L	ESSG105L
ES65E	•		
ES105E			•
ESG85EF1		•	
ESG85ES1		•	





































Power packs, hoses and morefor your tools.



Accessories for hydraulic tools.

The accessories for our hydraulic tools give you greater flexibility when using Klauke tools. Additional operating components, as well as high-pressure hoses in various lengths, permit individual system solutions. The NG2 power supply unit turns every 18 V tool into a mains-powered tool in no time.

The new generation of batteries for our tools offers a great number of benefits. At 18 V rated voltage and a capacity of 3.0 Ah, these batteries offer 50% more energy than predecessor models for even more crimping and cutting operations. They are also much lighter, and thanks to Li-ion technology, there's no memory effect during charging and discharging. Due to a minimum self-discharge of the batteries, the tools are practically always ready for use.



The power packs in NG2/230 and NG2/115 are capable of operating all tools in the Klauke® mini+, Klauke® ultra, Klauke® ultra+ and Klauke® multi series.

- Batteries and chargers for Klauke hydraulic tools.
- Power packs for 115 V and 230 V.
- Hand and foot control units.
- Hoses, sleeves, connectors and nipples.



RAM 2 Battery 9.6 V / 2.0 Ah, NiMH (19.6 Wh)

Characteristics

- For battery operated hydraulic tools of Klauke-Mini Series
- Environmentally friendly by NiMH technology

Technical data			
Battery voltage	9.6 V		
Battery capacity	2.0 Ah, NiMH		
Charging time	With LG4F: 40 min., with LG5: 15 r	With LG4F: 40 min., with LG5: 15 min.	
Cell technology	NiMH	NiMH	
Weight	0.4 kg	0.4 kg	
Item		Part No.	
Battery 9.6 V / 2.0 Ah, NiMH (19.6 Wh)		RAM2	



RAM 3 Battery 9.6 V / 3.0 Ah, NiMH (28.8 Wh)

Characteristics

- For battery operated hydraulic tools of Klauke-Mini Series
- Environmentally friendly by NiMH technology
- High battery capacity

Battery voltage	9.6 V		
Battery capacity	3.0 Ah		
Charging time	With LG4F: 40 min., with L	With LG4F: 40 min., with LG5: 15 min.	
Cell technology	NiMH	NiMH	
Weight	0.5 kg	0.5 kg	
Item		Part No.	
Battery 9.6 V / 3.0 Ah, NiMH (28.8 Wh)		RAM3	



RA 5 Battery 12 V / 3.0 Ah, NiMH (36 Wh)

- Compatible with all Klauke 12 V battery powered hydraulic tools
- Environmentally friendly by NiMH technology
- High battery capacity

Technical data			
Battery voltage	12 V		
Battery capacity	3.0 Ah		
Charging time	With LG4F: 40 min., with LG5: 15	min.	
Ambient temperature	-20°C to +40 °C		
Cell technology	NiMH	NiMH	
Weight	0.6 kg		
Item		Part No.	
Battery 12 V / 3.0 Ah, NiMH	(36 Wh)	RA5	





RAL 1 Battery 18 V / 1.3 Ah, Li-Ion (23.4 Wh)



Characteristics

- For battery powered hydraulic tools of Klauke-Mini+ Series
- No memory effect
- Extremely low self-discharge
- Light weight (40% lighter than comparable NiMH batteries)

Technical data		
Battery voltage	18 V	
Battery capacity	1.3 Ah	
Charging time	With LGL1: 15 min.	
Cell technology	Li-lon	
Weight	0.4 kg	
Item		Part No.
Battery 18 V / 1.3 Ah, Li-lo	n (23.4 Wh)	RAL1

RAL 2 Battery 18 V / 3.0 Ah, Li-lon (54 Wh)



Characteristics

- For battery powered hydraulic tools of Klauke-Mini+, Klauke Ultra, Klauke Ultra+ and Klauke Multi Series
- No memory effect
- Extremely low self-discharge
- Light weight (40% lighter than comparable NiMH batteries)

Technical data		
Battery voltage	18 V	
Battery capacity	3.0 Ah	
Charging time	With LGL1: 22 min.	
Cell technology	Li-lon	
Weight	0.6 kg	
Item		Part No.
Rattery 18 V / 3 O Ah Li	-lon (54 Wh)	RAI 2

RAL 3 Battery 18 V / 3.3 Ah, Li-lon (54 Wh)



- For safety cutting units
- No memory effect
- Extremely low self-discharge
- Light weight (40% lighter than comparable NiMH batteries)

Technical data		
Battery voltage	18 V	
Battery capacity	3.3 Ah	
Charging time	With LGL3: 60 min.	
Ambient temperature	-20°C to +40 °C	
Cell technology	Li-lon	
Weight	0.6 kg	
Item		Part No.
Dellam, 10 V / 0 0 Ab 1: les	- /F 4 \M/L\	DALO

Item	Part No.
Battery 18 V / 3.3 Ah, Li-lon (54 Wh)	RAL3



NG2 Mains adapter 18 V for 120 V resp. 230 V mains voltage

Suitable for

■ All Klauke tools with 18 V all-mains sets

Characteristics

- Temperature protection
- Current limiter
- Overload protection 250 V
- Cable lengths: 5 m

Technical data		
Mains supply	120 V / 230 V	
Voltage range	18 V	
Weight	0.8 kg	
Item		Part No.
18 V mains adapter for	120 V Voltage	NG2115
18 V mains adapter for	230 V Voltage	NG2230



LG 4 F Charger for NiCd and NiMH batteries

Characteristics

■ For all Klauke 9.6 V and 12 V batteries

Charging time	40-60 min.	
Ambient temperature	-20°C to +40 °C	
Mains supply	AC: 230 V	
Voltage range	7.2V / 9.6V / 12V / 14.4V DC	
Weight	0.5 kg	
Item		Part No.
Charger for NiCd and NiMH batteries		LG4F



LG 5 Quick charger for NiCd and NiMH batteries

Characteristics

■ For all Klauke 9.6 V and 12 V batteries

Technical data			
Charging time	NiCd: 10 - 60 min, NiMH: 20 - 30 min.		
Mains supply	AC: 230 V	AC: 230 V	
Voltage range	7.2V / 9.6V / 12V / 14.4V DC	7.2V / 9.6V / 12V / 14.4V DC	
Weight	1.3 kg		
Item		Part No.	
Quick charger for NiCd and NiMH batteries, 230 V mains power		LG5	





LG 6 Car charger 12 V for NiCd and NiMH batteries



Characteristics

- For all Klauke 9.6 V and 12 V batteries
- Connection to car cigarette lighter

Technical data		
Charging time	NiCd: 45 - 70 min, NiMH: 45 - 75 min.	
Mains supply	AC: 12 V	
Voltage range	7.2V / 9.6V / 12V / 14.4V DC	
Weight	0.6 kg	
Item		Part No.
12V car charger for NiCd and NiMH batteries		LG6

LGL 1 Quick charger for 18V Li-Ion-Batteries



Characteristics

■ For all Klauke Li-Ion Batteries with 18 V

Technical data		
Charging time	With RAL1: 15 min., with RAL2: 22 min.	
Mains supply	230 V AC	
Voltage range	18 V	
Weight	1.0 kg	
Item		Part No.
Quick-charger for 18V Li-lon batteries, 230 V		LGL1

LGL 2 Car charger 12 V for 18 V Li-Ion batteries



- For all Klauke Li-lon Batteries with 18 V
- Connection to car cigarette lighter

Technical data			
Charging time	With RAL1: 15 m	With RAL1: 15 min., with RAL2: 22 min.	
Mains supply	12 V		
Voltage range	18 V		
Weight	1.0 kg		
Item			Part No.
12V car charger for 18V	Li-lon batteries		LGL2



LGL 3 Charger for 18 V Li-Ion batteries

Characteristics

- For 18 V / 3.3 Ah Li-lon batteries
- Charger for safety cutting unit batteries

Technical data		
Charging time	60 min.	
Mains supply	220 - 240 V	
Voltage range	18 V	
Weight	0.6 kg	
Item		Part No.
Charger for 18 V Li-lon	batteries	LGL3



TW 50 / TW EHP 3 Transport trolley for electro-hydraulic pumps

Characteristics

- For electro hydraulic pumps EHP2 and EHP3
- Weight: TW50 11.1 kg / TWEHP3 12 kg

Item	Part No.
Transport trolley for electro-hydraulic pump EHP 2	TW50
Transport trolley for electro-hydraulic pump EHP 3	TWEHP3



TW 150 Transport trolley for electro-hydraulic pump EHP 4

Characteristics

■ Weight: 8.7 kg

Item	Part No.
Transport trolley for electro-hydraulic pump EHP 4	TW150





FTA 3 / FTA 4 Two-hand safety control for hydraulic pumps



Characteristics

- For pumps: EHP 2, EHP 3, EHP 4 and AHP 700-L
- Connecting cable, 10 m

Item	Part No.
Two-hand safety controller for pumps EHP 2 to EHP 4	ZST3
Two-hand safety control for battery powered hydraulic pump AHP 700-L	ZST4

FTA 1 / FTA 4 Foot switch for pumps



Characteristics

- For pumps: EHP 2, EHP 3, EHP 4, HK 12/2 EL, AHP 700-L
- Connecting cable FTA 1: 10 m, FTA 4: 5 m

Item	Part No.
Foot switch for electro-hydraul. pumps EHP 2 to EHP 4 and HK 12/2 EL	FTA1
Foot switch for battery powered hydraulic pump AHP 700-L	FTA4

T 15 Special hydraulic oil



Characteristics

- For all hydraulic pumps, exception: safety cutting units
- Environmentally-friendly hydraulic oil, quickly biodegradable
- 5 I canister

Item	Part No.
Special hydraulic oil	T15

HS 2 Hydraulic hoses



Suitable for

- For hydraulic crimping and cutting systems and pumps
- For connecting to hydraulic pumps FHP 2, PHD 2, EHP 2, EHP 3, EHP 4, HK12/2 EL, HK 25/2 EL, AS 65 FHP, AS 105 FHP, HK 25/2, HK 45

Item	Part No.
Hydraulic hose, 2m	HS22
Hydraulic hose, 3m	HS23
Hydraulic hose, 4m	HS24
Hydraulic hose, 5m	HS25
Hydraulic hose, 6m	HS26
Hydraulic hose, 8m	HS28
Hydraulic hose, 10m	HS210

HS OEL Hydraulic hoses, oil filled

Characteristics

For battery powered hydraulic pump AHP 700-L

Order info

Also available in country-specific version, part number appendix "C"

Item	Part No.
Hydraulic hose, 2m, oil filled	HS0EL2
Hydraulic hose, 3m, oil filled	HS0EL3
Hydraulic hose, 4m, oil filled	HS0EL4
Hydraulic hose, 5m, oil filled	HS0EL5
Hydraulic hose, 6m, oil filled	HS0EL6
Hydraulic hose, 8m, oil filled	HS0EL8
Hydraulic hose, 10m, oil filled	HS0EL10



KST 2 Coupler plug

Characteristics

- For hydraulic crimping and cutting systems and pumps
- Including adapter
- Suitable for connecting to hydraulic hoses HS2

Item	Part No.
Coupler plug	KST2



KMF 1 Coupler for crimping and cutting heads

Characteristics

- KMF 1: For connecting to hydraulic crimping/cutting heads: PK 18, PK 22, PK 120/42, PK 120 U, PK 25/2, PK 45, PK 60 VP, PK 60 VP/FT, PK 60 UNV, THK 18, THK 22, THK 120, SDG 45, SDG 50, SDG 55, SDG 85/2, SDG 105, SDK 65, SDK 85, SDK 105, SDK 120
- Includes barrel nipple
- With 1/4" connection (external thread)

Item	Part No.
Coupler for crimping and cutting heads with barrel nipple	KMF1



DNP 2 Barrel nipple

Characteristics

To connect and to extend hydraulic hoses HS 2

Item	Part No.
Barrel nipple	DNP2





Klauke® **=**

Accessories for hydraulic tools

HTA 4 Remote control for hydraulic pump



Characteristics

■ For battery powered pump AHP 700-L

Item	Part No.
Remote control with 1.5 m cable	HTA4



Guarantee quality, by tool check.

Force and pressure measuring systems for hydraulic crimping tools.

Klauke hydraulic tools meet the highest quality standards. To maintain this guarantee, frequently used tools and drive units in particular must be inspected on a regular basis. With its various sensors and adapters, the TC 1U is a powerful system for measuring force and pressure.

In enterprises that have a distinct quality management system, in the engineering technology sector for example, customers often expect proof of the tools' actual crimping forces. This Klauke measuring system offers the facility of measuring and documenting the required values on-site.





- Measuring systems for inspecting hydraulic tools and drive units.
- For inspection and documentation under the quality management system.



Force and pressure gauge systems

TC 1 U Digital meter for force and pressure measurement



Characteristics

- Optional: Measuring adapter for measuring the crimping force
- Illuminated LCD display
- Memory for 1 mil. measured values
- USB interface

Item			Part No.	
Digital meter for force and pressure measurement		TC1U		
Scope of supply			Part No.	Page
Switched-mode p UK, US, AUS from	power supply with international p 1115 V to 230 V	olug adapter EU,	TCCUNI	
Plastic case			KKTC1B	
Measuring				
Adapter	Tool Series	Required sensor	Part No.	Page
	Measuring adapter, series 50	TF70L	MA50	
	Measuring adapter, series 4	TF70L	MA4	
EN	Measuring adapter, series 5	TF70L	MA5	
6	Measuring adapter, series 18	TF70L	MA18	
	Measuring adapter, series 22	TF70L	MA22	
	Measuring adapter VP	TF70L	MAVP	
6	Measuring adapter, series 13	TF130L	MA120	

TF force sensors for measuring the crimping force



Characteristics

For connecting to TC 1 U with appropriate measuring adapter

Item	Part No.
Force sensor, 70 kN	TF70L
Force sensor, 130 kN	TF130L

TP 1000 / TPC 15 Pressure sensor and connecting cable for measuring oil pressure up to 1000 bar



Characteristics

■ For connecting to TC 1 U

Item	Part No.
Pressure sensor 1000 bar	TP1000
Connection cable for pressure sensor TP 1000	TPC15



Intelligent recording - *i-press*®





Our "Safety Plus" battery powered hydraulic crimping tools are set apart mainly by their intelligent additional functions. The technical highlight is the "Intelligent Pressing System" with integrated pressure sensor which permanently monitors the hydraulic crimp force of every crimping operation. The tools signal deviations from the specified crimping pressure or operating faults with a warning beep and flashing LEDs. For the user this means maximum safety at every single crimping operation. The PGA1 USB Adapter and i-press evaluation software make the "Safety Plus" model series even more intelligent and working with these tools even safer.

The PGA1 USB Adapter and i-press evaluation software allow you to read data from the tools and transmit it to a computer. The i-press software checks the quality of

each and every crimping option and provides proof of such quality

to the customer. It is also possible to request further performance parameters, such as the number of crimps, the current consumption in Ah or the operating time.

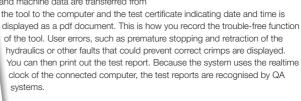
The i-press software is available in German, English, French and Spanish and can be downloaded from our website free of charge.

All Safety Plus tools are factory-fitted as standard with an optical interface which enables the crimping operation to be read out from a PC or laptop.



The operating mode is very simple:

The recording head is linked to a computer via a USB port. All crimping and machine data are transferred from



There is also the option of programming individual projects into the tool and creating project-related reports.





Force and pressure gauge systems

PGA 1 USB Adapter



- ▶ Easy connection to PC via USB interface
- ▶ Free download of "ipress" software via www.klauke.com
- Statistical evaluation of average crimping process of battery powered hydraulic crimping tools

- Documentation of trouble-free function of battery powered hydraulic crimping tools using "Intelligent Pressing System" - IPS
- Statistical evaluation of crimping process
- Suitable to read data from Klauke product line "Generation Safety Plus" and the previous models with multifunction LED
- Transmission of crimping and machine data of tool on the computer
- Test certificate as PDF document with display of date and time

Technical data		
System requirements	From Windows XP	
Version	USB 2.0	
Length	1.80 m (USB-Kabel)	
Weight	315 g	
Item		Part No.
USB adapter		PGA1

Force and pressure gauge systems



We came up with plenty of ideas for your crimping results. For example, the correct crimping profile for every connecting material."

> Emira Karajkovic, Supply Chain



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