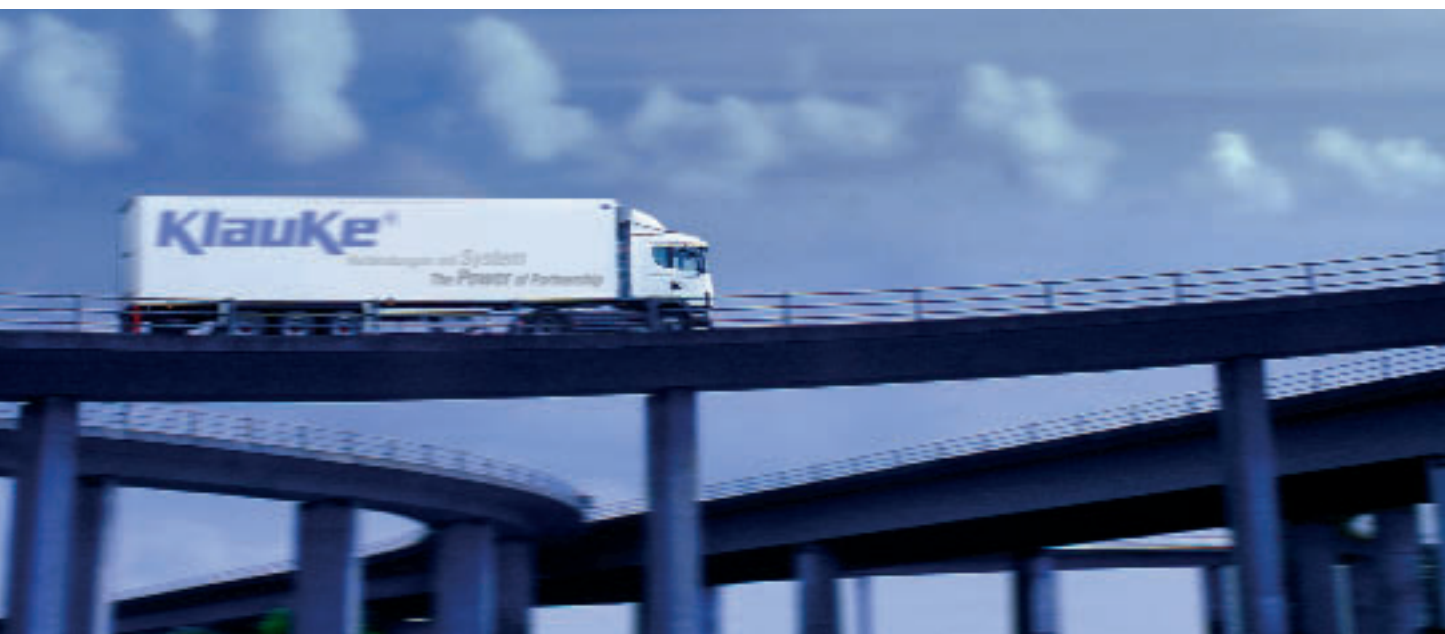




Catalogue 2005
Compression Connectors
Crimping and Cutting Tools



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Competency by experience: Welcome to Klauke



Dear customer,

This is your new Klauke catalogue 2005. As usual you will find the latest products clearly arranged and user-friendly with all important information required. Many new innovative products have been added. In addition we have considered improvements and completions which have been requested by our customers. On the next few pages you will find back-

ground information on our company, our philosophies, competencies and extensive service.

The constructive dialog with users of our products has been a considerable contribution to the success of the company. For more than 125 years Klauke products represent innovation, quality and safety. We are market leaders in the field of electrical connections, a competent and

reliable partner for installers, trade and industry. The alliance with our customers is for us the most important issue.

In this spirit we look forward to a trustful collaboration with you.

Your Klauke team

Verbindungen mit The

Klauke – A Textron company: global partner
for installers, trade and industry

Klauke®



We offer our national and international customers trend-setting solutions with innovative products and excellent service. Our basis for this is the partnership with Greenlee within Textron, a world-wide operating multi-technology-company.

Together we have at our disposal ultra-modern research and development centres in Germany and the United States and an international distribution network

with service centres in more than fifty countries.

Because of the strategic alliance with Greenlee we are in a strong position to offer complementary product ranges and provide innovative system solutions for your benefit and profit.

Three brands offering a perfect balance with complementary product ranges:

Klauke®

- Compression connectors
- Crimping and cutting tools for electrical installations

Apart from products for electrical applications Klauke offers innovative products for the plumbing and heating industries. Please see our special catalogues.



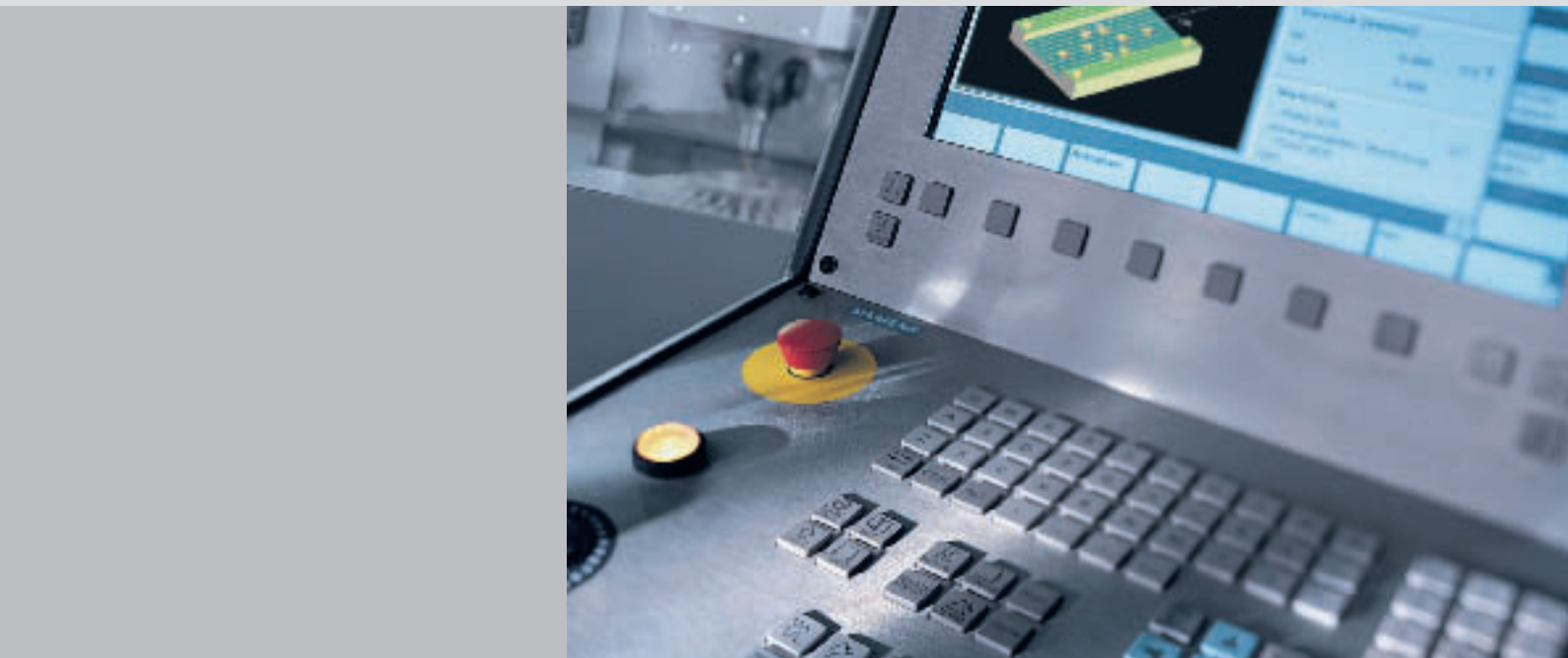
- Holmaking tools
- Cable installation equipment
- Bus bar processing tools

 **Tempo**

- Tools and instruments for the telecommunication and network industry

System Power of Partnership

Innovation and quality: Our tradition



Headstart by innovation – Connections with system

Innovation means for us systematic development of new and application oriented solutions. New ideas and developments of products are very much sourced from our negotiations with users. Your requests and demands are the basis of our developments. Skilled and qualified labour realize these developments – from the idea, new constructions and extensive tests until the start of production. The leading thought is that new products complete the existing range, are

upgradeable and offer variable applications.

The result is an innovative product offering added value to the customer. Product awards have been received in recognition.

The Klauke-Mini and the Pro-Series represent innovative tool ranges. While the Klauke-Mini combines various applications and functions in a small handy tool, the Klauke Pro-Series offers utmost flexibility in many standard applications. These are two examples of solutions which help you to save cost and time.

Main focus of research and development at Klauke:

- Research for new technologies and development of new professional tools which comply with the demands of users.
- Further developments and optimization of established products.
- Custom made products (Connecting material and tools)



Safety and reliability by quality

First class quality has always been self-evident for us. In terms of safety, user friendly application and robustness, all Klauke products comply with the highest specifications and perform in excess of the standards required. We are certified according to ISO 9001 and undergo regular audits. Our products comply with international approvals. In 2004 we have been awarded with the "Öko-Profit-Siegel" of the Ministry of Environment for the installation of extensive environmental measures.

We only purchase raw material and components which guarantee constant high quality. To achieve this goal we practice a trustful and strategic co-operation with our suppliers. Most modern manufacturing processes guarantee high precision of our products. Thorough inspections and tests within all the manufacturing processes safeguard our high standards.

Practiced quality assurance from purchasing through production until dispatch guarantee that all Klauke

products offer maximum safety and optimal comfort in application. You can rely on us.



Customer service: Your satisfaction is our goal



As a partner to installers, trade and industry we focus on service and relation to customers. A highly motivated team offers every support required. We yearly train thousands of installers and staff from our wholesalers and distribution partners. Apart from product presentations the exchange of experiences with our customers is the main target. From the dialog with you we learn your requirements – a basis for constant development and enhancement of products and service.

Distribution service at a glance:

- Field product presentation and advice through our sales teams
- Internal and external training and seminars for customers
- Information and workshops at all important national and international exhibitions
- Fast technical support in case of special requirements through our experts
- On request we test your electrical connections and provide test reports



The Service Center in Remscheid and all Authorized Service Centers (ASC) in many countries offer a reliable technical support for our tools.

Tool service at a glance:

- Repair and maintenance through our Service Center or Service Van
- Complete maintenance with yearly inspection at fixed prices including certification
- Tool hire service of all common products
- Free of charge hotline

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Authorized Service Center

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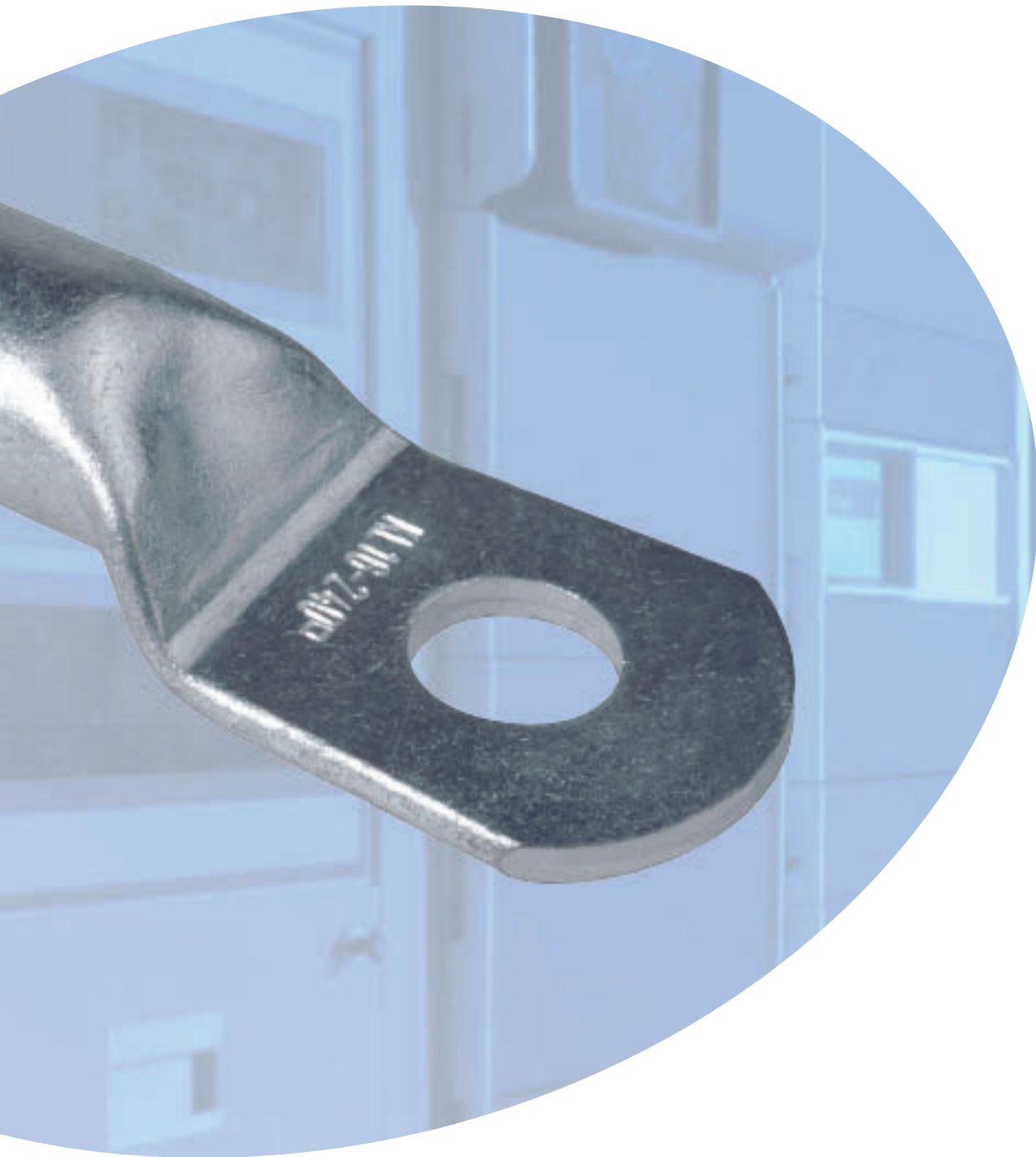
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Addresses of our partners in more than fifty countries can also be found on our homepage section "distribution partners".

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



Tubular cable lugs and connectors

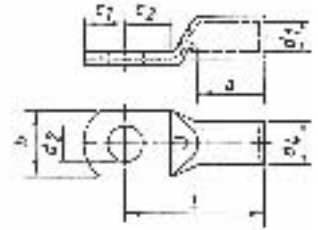


Tubular cable lugs Cu	1.2
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Tubular cable lugs and connectors international standard and special type connectors	1.28
Tool application chart	1.29



Tubular cable lugs

- ring type, with inspection hole
- material: E-copper
- surface: tin plated



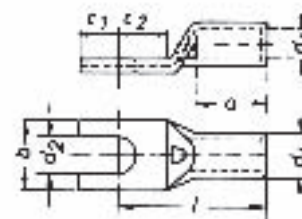
Cross section mm²	Bolt size Ø	Part No.	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	c2	l		
0.75	M3	91R3	1.3	6	6.0	3.2	2.8	3.25	4.0	12	0.060	100
	M4	91R4	1.3	6	6.5	4.3	2.8	4.00	5.0	13	0.060	100
	M5	91R5	1.3	6	7.5	5.3	2.8	4.75	5.5	14	0.060	100
1.5	M3	92R3	1.8	6	6.5	3.2	3.3	3.25	4.0	12	0.080	100
	M4	92R4	1.8	6	6.5	4.3	3.3	4.00	5.0	13	0.080	100
	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
2.5	M3	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
	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
4	M4	94R4	3.0	8	8.5	4.3	5.0	4.75	5.5	18	0.210	100
	M5	94R5	3.0	8	9.0	5.3	5.0	4.75	6.0	18	0.213	100
	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
6	M4	95R4	4.0	9	9.5	4.3	6.0	5.00	5.5	18	0.290	100
	M5	95R5	4.0	9	9.5	5.3	6.0	6.00	6.0	19	0.300	100
	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

>> Tool: see chart page 1.29



Tubular cable lugs

- fork type, with inspection hole
- material: E-copper
- surface: tin plated



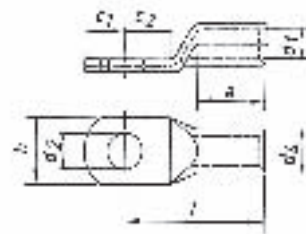
Cross section mm ²	Bolt size Ø	Part No.	Dimensions mm									Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	c2	l			
0.75	M3	91C3	1.3	6	6.0	3.2	2.8	3.25	4.0	12		0.06	100
	M4	91C4	1.3	6	6.5	4.3	2.8	4.00	5.0	13		0.05	100
	M5	91C5	1.3	6	7.5	5.3	2.8	4.75	5.5	14		0.06	100
1.5	M3	92C3	1.8	6	6.5	3.2	3.3	3.25	4.0	12		0.07	100
	M4	92C4	1.8	6	6.5	4.3	3.3	4.00	5.0	13		0.07	100
	M5	92C5	1.8	6	7.5	5.3	3.3	4.75	5.5	14		0.07	100
	M6	92C6	1.8	6	9.0	6.5	3.3	6.50	6.5	16		0.08	100
2.5	M3	93C3	2.3	6	7.5	3.2	4.2	3.25	4.0	12		0.12	100
	M4	93C4	2.3	6	7.5	4.3	4.2	4.00	5.0	13		0.11	100
	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
4	M4	94C4	3.0	8	8.5	4.3	5.0	4.75	5.5	17		0.19	100
	M5	94C5	3.0	8	9.0	5.3	5.0	4.75	6.0	17		0.19	100
	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
6	M4	95C4	4.0	9	9.5	4.3	6.0	5.00	5.5	18		0.27	100
	M5	95C5	4.0	9	9.5	5.3	6.0	6.00	6.0	19		0.32	100
	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
10	M5	96C5	4.5	10	12.0	5.5	7.0	6.50	7.5	22		0.45	100
	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
16	M5	97C5	5.5	13	12.0	5.5	8.5	5.50	6.5	26		0.81	100
	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

>> Tool: see chart page 1.29



Tubular cable lugs

- standard type
- material: E-copper
- surface: tin plated
- with or without inspection hole



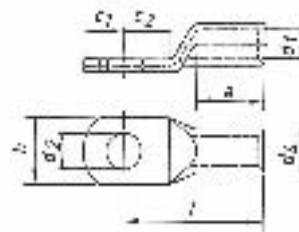
Cross section mm²	Bolt size Ø	Part No.*	Dimensions mm									Weight/ 100 pcs.	
			d1	a	b	d2	d4	c1	c2	l	~ kg		
6	M5	1R5	3.5	9	10	5.5	6.5	6.50	7.5	21	0.50	100	
	M6	1R6	3.5	9	12	6.5	6.5	6.50	7.5	21	0.47	100	
	M8	1R8	3.5	9	15	8.5	6.5	10.00	10.0	23	0.54	100	
	M10	1R10	3.5	9	17	10.5	6.5	12.00	12.0	25	0.59	100	
	M12	1R12	3.5	9	19	13.0	6.5	13.00	13.0	28	0.63	100	
10	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	
	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	
16	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	
	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	
25	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	
	M8	4R8	7.0	15	16	8.5	10.0	10.00	10.0	32	1.31	100	
	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	
35	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	
	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	
50	M6	6R6	10.0	19	20	6.5	14.0	10.00	10.0	37	3.00	25	
	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	
	M14	6R14	10.0	19	23	15.0	14.0	14.50	14.5	45	3.32	25	
	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	
70	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	
	M10	7R10	12.0	21	23	10.5	16.5	12.00	12.0	44	4.54	50	
	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	

Tubular cable lugs Cu



Tubular cable lugs

- standard type
- material: E-copper
- surface: tin plated
- with or without inspection hole



Cross section mm ²	Bolt size Ø	Part No.*	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	c2	l		
95	M8	8R8	13.5	25	26	8.5	18.0	12.0	12.0	48	5.44	25
	M10	8R10	13.5	25	26	10.5	18.0	12.0	12.0	48	5.40	50
	M12	8R12	13.5	25	26	13.0	18.0	13.0	13.0	49	5.56	50
	M14	8R14	13.5	25	26	15.0	18.0	14.5	14.5	51	5.62	25
	M16	8R16	13.5	25	28	17.0	18.0	16.0	16.0	54	5.82	50
	M20	8R20	13.5	25	36	21.0	18.0	22.0	22.0	60	6.71	25
120	M8	9R8	15.0	26	28	8.5	19.5	14.0	14.0	51	6.72	25
	M10	9R10	15.0	26	28	10.5	19.5	14.0	14.0	51	6.57	50
	M12	9R12	15.0	26	28	13.0	19.5	14.0	14.0	51	6.38	50
	M14	9R14	15.0	26	28	15.0	19.5	15.0	15.0	52	6.45	25
	M16	9R16	15.0	26	30	17.0	19.5	16.0	16.0	54	6.51	50
	M20	9R20	15.0	26	36	21.0	19.5	22.0	22.0	63	7.74	25
150	M8	10R8	16.5	30	31	8.5	21.0	14.0	14.0	56	7.78	10
	M10	10R10	16.5	30	31	10.5	21.0	14.0	14.0	56	7.62	10
	M12	10R12	16.5	30	31	13.0	21.0	15.0	15.0	57	7.73	25
	M14	10R14	16.5	30	31	15.0	21.0	15.0	15.0	57	7.64	10
	M16	10R16	16.5	30	31	17.0	21.0	16.0	16.0	58	7.53	10
	M20	10R20	16.5	30	36	21.0	21.0	22.0	22.0	66	8.80	10
185	M10	11R10	19.0	30	35	10.5	24.0	18.0	18.0	65	11.75	10
	M12	11R12	19.0	30	35	13.0	24.0	18.0	18.0	65	11.82	10
	M14	11R14	19.0	30	35	15.0	24.0	18.0	18.0	65	11.39	10
	M16	11R16	19.0	30	35	17.0	24.0	18.0	18.0	65	11.24	25
	M20	11R20	19.0	30	39	21.0	24.0	22.0	22.0	69	12.00	10
240	M10	12R10	21.0	35	39	10.5	26.0	21.5	19.0	72	14.72	10
	M12	12R12	21.0	35	39	13.0	26.0	21.5	19.0	72	14.55	10
	M14	12R14	21.0	35	39	15.0	26.0	21.5	19.0	72	14.24	10
	M16	12R16	21.0	35	39	17.0	26.0	21.5	19.0	72	14.09	25
	M20	12R20	21.0	35	39	21.0	26.0	21.5	19.0	72	13.60	10
300	M12	13R12	23.5	44	43	13.0	29.5	24.0	24.0	87	23.33	5
	M14	13R14	23.5	44	43	15.0	29.5	24.0	24.0	87	23.14	5
	M16	13R16	23.5	44	43	17.0	29.5	24.0	24.0	87	22.74	5
	M20	13R20	23.5	44	43	21.0	29.5	24.0	24.0	87	22.19	5
400	M12	14R12	27.0	44	49	13.0	34.0	24.0	24.0	90	32.41	5
	M14	14R14	27.0	44	49	15.0	34.0	24.0	24.0	90	32.24	5
	M16	14R16	27.0	44	49	17.0	34.0	24.0	24.0	90	31.98	5
	M20	14R20	27.0	44	49	21.0	34.0	24.0	24.0	90	31.41	5

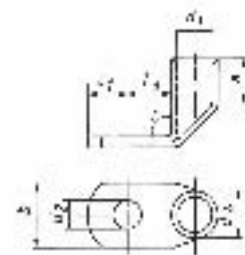
*Part number for inspection hole version with appendix "ms"

>> Tool: see chart page 1.29



Tubular angle cable lugs

- standard type, 90° angle
- material: E-copper
- surface: tin plated

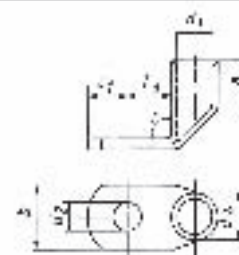


Cross section mm ²	Bolt size Ø	Part No.	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	l3		
6	M5	41R5	3.5	9	10	5.5	6.5	7.5	9	0.59	50
	M6	41R6	3.5	9	12	6.5	6.5	7.5	10	0.58	50
	M8	41R8	3.5	9	14	8.5	6.5	10.0	13	0.61	50
	M10	41R10	3.5	9	17	10.5	6.5	12.0	15	0.65	50
	M12	41R12	3.5	9	19	13.0	6.5	13.0	17	0.62	50
10	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
	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
16	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
	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
25	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
	M8	44R8	7.0	15	16	8.5	10.0	10.0	13	1.44	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
35	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
	M10	45R10	8.5	17	19	10.5	12.0	12.0	15	2.28	25
	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
50	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
	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
70	M20	46R20	10.0	19	30	21.0	14.0	19.0	24	3.15	25
	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
	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
95	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
	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



Tubular angle cable lugs

- standard type, 90° angle
- material: E-copper
- surface: tin plated



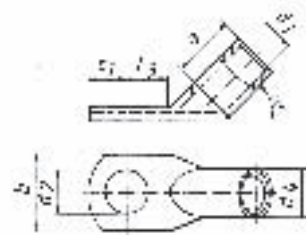
Cross section mm ²	Bolt size Ø	Part No.	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	l3		
120	M8	49R8	15.0	26	28	8.5	19.5	14.0	16	7.26	10
	M10	49R10	15.0	26	28	10.5	19.5	14.0	17	7.30	10
	M12	49R12	15.0	26	28	13.0	19.5	14.0	18	7.19	10
	M14	49R14	15.0	26	28	15.0	19.5	15.0	20	7.30	10
	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
150	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
	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
185	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
	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
240	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
	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
300	M12	53R12	23.5	44	43	13.0	29.5	24.0	24	23.60	5
	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
400	M12	54R12	27.0	44	49	13.0	34.0	24.0	24	32.53	5
	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

>> Tool: see chart page 1.29



Tubular angle cable lugs

- standard type, 45° angle
- material: E-copper
- surface: tin plated

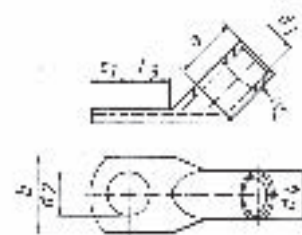


Cross section mm²	Bolt size Ø	Part No.	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	l3		
6	M5	41R545	3.5	9	10	5.5	6.5	7.5	9	0.60	50
	M6	41R645	3.5	9	12	6.5	6.5	7.5	10	0.58	50
	M8	41R845	3.5	9	14	8.5	6.5	10.0	13	0.68	50
	M10	41R1045	3.5	9	17	10.5	6.5	12.0	15	0.70	50
	M12	41R1245	3.5	9	19	13.0	6.5	13.0	17	0.70	50
10	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
	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
16	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
	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
25	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
	M8	44R845	7.0	15	16	8.5	10.0	10.0	13	1.44	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
35	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
	M10	45R1045	8.5	17	19	10.5	12.0	12.0	15	2.28	25
	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
50	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
	M10	46R1045	10.0	19	20	10.5	14.0	12.0	16	3.47	25
	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
70	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
	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
95	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
	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



Tubular angle cable lugs

- standard type, 45° angle
- material: E-copper
- surface: tin plated



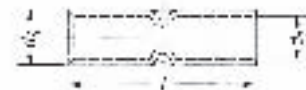
Cross section mm ²	Bolt size Ø	Part No.	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	l3		
120	M8	49R845	15.0	26	28	8.5	19.5	14.0	16	7.92	10
	M10	49R1045	15.0	26	28	10.5	19.5	14.0	17	7.99	10
	M12	49R1245	15.0	26	28	13.0	19.5	14.0	18	7.96	10
	M14	49R1445	15.0	26	28	15.0	19.5	15.0	20	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
150	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
	M12	50R1245	16.5	30	31	13.0	21.0	15.0	18	8.75	10
	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
185	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
	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
240	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
	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
300	M12	53R1245	23.5	44	43	13.0	29.5	24.0	24	24.08	5
	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
400	M12	54R1245	27.0	44	49	13.0	34.0	24.0	24	34.00	5
	M14	54R1445	27.0	44	49	15.0	34.0	24.0	24	33.40	5
	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

>> Tool: see chart page 1.29



Butt-connectors

- standard type
- material: E-copper
- surface: tin plated
- also available without stop



Cross section mm ²	Part No.*	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
		d1	d4	l		
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

*Part number for "without stop" version with appendix "om"

>> Tool: see chart page 1.29



Butt-connectors

- special type, for solid conductors
- material: E-copper
- surface: tin plated without wirestop



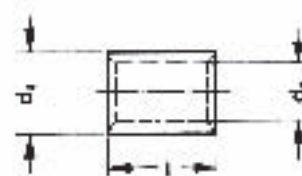
Cross section mm ²	Part No.	Wire Ø	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
			d1	d4	l		
1.5-2.5	SV1525	1.38/1.78	1.9	3.9	25	0.210	100
4	SV4	2.25	2.4	4.4	25	0.240	100
6	SV6	2.75	3.0	5.0	25	0.275	100
10	SV10	3.55	4.0	6.0	25	0.350	100
16	SV16	4.5	5.0	8.0	35	0.960	100
25	SV25	5.65	6.2	10.0	40	1.700	50
35	SV35	6.7	7.0	10.0	40	1.420	50
50	SV50	8	8.5	12.0	70	3.550	50

>> Tool: see chart page 1.30



Parallel-connectors

- standard type
- material: E-copper
- surface: tin plated



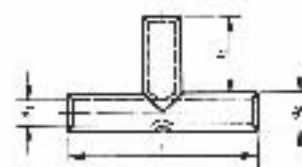
Total cross section mm ²	Part No.	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
		d1	d4	l		
1.5	148R	1.8	3.3	5	0.03	100
2.5	149R	2.3	4.2	5	0.04	100
4	150R	3.0	5.0	7	0.08	100
6	151R	4.0	6.0	7	0.09	100
10	152R	4.5	7.0	9	0.17	100
16	153R	5.5	8.5	10	0.28	100
25	154R	7.0	10.0	13	0.44	100
35	155R	8.5	12.0	16	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

>> Tool: see chart page 1.29



T-connectors

- standard type
- material: E-copper
- surface: tin plated



Cross section mm ²	Part No.	Dimensions mm				Weight/ 100 pcs. ~ kg	pcs.
		d1	d4	l	l1		
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

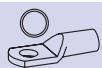
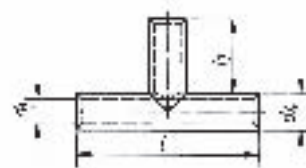
>> Tool: see chart page 1.29





T-connectors

- special type, for solid conductors
- material: E-copper
- surface: tin plated without wirestop



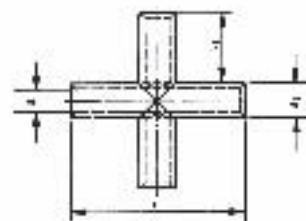
Cross section mm²	Part No.	Wire Ø	Dimensions mm				Weight/ 100 pcs. ~ kg	pcs.
			d1	d4	l	l1		
1.5-2.5	STV1525	1.38/1.78	1.9	3.9	30	12	0.34	50
4	STV4	2.25	2.4	4.4	30	12	0.40	50
6	STV6	2.75	3.0	5.0	30	12	0.48	50
10	STV10	3.55	4.0	6.0	35	14	0.72	50
16	STV16	4.5	5.0	8.0	35	14	1.40	50
25	STV25	5.65	6.2	10.0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

>> Tool: see chart page 1.30



Cross-connectors

- standard type
- material: E-copper
- surface: tin plated



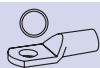
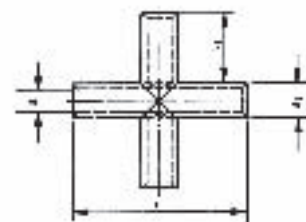
Cross section mm²	Part No.	Dimensions mm				Weight/ 100 pcs. ~ kg	pcs.
		d1	d4	l	l1		
1.5	KV15	1.8	3.3	30	12	0.320	25
2.5	KV2.5	2.3	4.2	30	12	0.490	25
4	KV4	3.0	5.0	30	12	0.650	25
6	KV6	4.0	6.0	35	14	0.950	25
10	KV10	4.5	7.0	35	14	1.350	25
16	KV16	5.5	8.5	50	21	2.950	25
25	KV25	7.0	10.0	55	23	4.000	15
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

>> Tool: see chart page 1.29



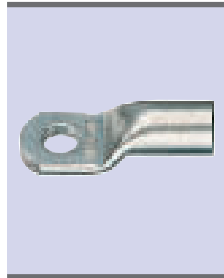
Cross-connectors

- special type, for solid conductors
- material: E-copper
- surface: tin plated



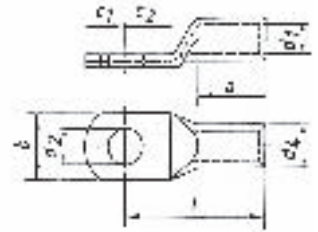
Cross section mm ²	Part No.	Wire Ø	Dimensions mm				Weight/ 100 pcs. ~ kg	pcs.
			d1	d4	l	l1		
1.5-2.5	SKV1525	1.38/1.78	1.9	3.9	30	12	0.47	25
4	SKV4	2.25	2.4	4.4	30	12	0.56	25
6	SKV6	2.75	3.0	5.0	30	12	0.67	25
10	SKV10	3.55	4.0	6.0	35	14	0.92	25
16	SKV16	4.5	5.0	8.0	35	14	1.86	25
25	SKV25	5.65	6.2	10.0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

>> Tool: see chart page 1.30



Tubular cable lugs

- special type, for solid conductors
- material: E-copper
- surface: tin plated



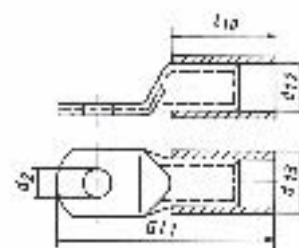
Cross section mm²	Bolt size Ø	Part No.	Dimensions mm									Weight/ 100 pcs.	pcs.
			d1	a	b	d2	d4	c1	c2	l	~ kg		
6	M5	SR65	3.0	8	9.0	5.3	5	4.75	6.0	17.0	0.213	25	
	M6	SR66	3.0	8	10.0	6.5	5	6.50	6.5	19.0	0.220	25	
10	M6	SR106	4.0	9	10.0	6.5	6	7.00	6.5	19.0	0.300	25	
	M8	SR108	4.0	9	14.0	8.5	6	8.50	9.5	22.0	0.320	25	
16	M6	SR166	5.0	12	12.5	6.5	8	6.50	7.0	23.5	0.800	25	
	M8	SR168	5.0	12	15.0	8.5	8	9.00	9.0	26.0	0.900	25	
25	M6	SR256	6.2	15	14.0	6.5	10	7.50	7.5	30.0	1.560	25	
	M8	SR258	6.2	15	16.0	8.5	10	10.00	10.0	32.0	1.700	25	
35	M6	SR356	7.0	15	14.0	6.5	10	7.50	7.5	30.0	1.200	25	
	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	
50	M6	SR506	8.5	17	17.0	6.5	12	7.50	7.5	32.0	1.850	25	
	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	

>> Tool: see chart page 1.30



Tubular cable lugs, insulated

- standard type
- material: cable lug E-copper
- surface: tin plated
- with or without inspection hole
- material: insulating sleeve PA, free of halide

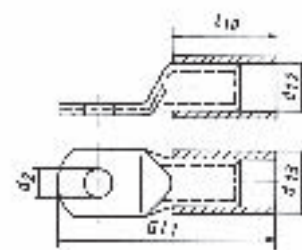


Cross section mm ²	Bolt size Ø	Part No.*	Dimensions mm**						Weight 100 pcs. ~ kg		pcs.	Colour
			d2	d12	d13	Gl1	l10		Cu	Total		
10	M5	602R5	5.5	7.0	9.0	35.5	17.0		0.50	0.548	25	■
	M6	602R6	6.5	7.0	9.0	35.5	17.0		0.49	0.538	25	■
	M8	602R8	8.5	7.0	9.0	42.0	17.0		0.58	0.628	25	■
	M10	602R10	10.5	7.0	9.0	46.0	17.0		0.62	0.668	25	■
	M12	602R12	13.0	7.0	9.0	49.0	17.0		0.64	0.688	25	■
16	M5	603R5	5.5	8.5	10.5	39.5	21.0		0.84	0.907	25	■
	M6	603R6	6.5	8.5	10.5	41.3	21.0		0.86	0.927	25	■
	M8	603R8	8.5	8.5	10.5	45.5	21.0		0.93	0.997	25	■
	M10	603R10	10.5	8.5	10.5	49.5	21.0		0.99	1.057	25	■
	M12	603R12	13.0	8.5	10.5	54.0	21.0		1.02	1.087	25	■
25	M5	604R5	5.5	10.0	12.0	45.0	24.0		1.22	1.312	25	■
	M6	604R6	6.5	10.0	12.0	46.5	24.0		1.20	1.292	25	■
	M8	604R8	8.5	10.0	12.0	51.0	24.0		1.31	1.402	25	■
	M10	604R10	10.5	10.0	12.0	55.0	24.0		1.57	1.662	25	■
	M12	604R12	13.0	10.0	12.0	57.0	24.0		1.39	1.482	25	■
	M14	604R14	15.0	10.0	12.0	61.5	24.0		1.49	1.582	25	■
35	M6	605R6	6.5	12.0	14.5	49.5	27.0		1.85	2.010	25	■
	M8	605R8	8.5	12.0	14.5	54.0	27.0		2.00	2.160	25	■
	M10	605R10	10.5	12.0	14.5	59.0	27.0		2.13	2.290	25	■
	M12	605R12	13.0	12.0	14.5	61.0	27.0		2.12	2.280	25	■
	M14	605R14	15.0	12.0	14.5	64.5	27.0		2.18	2.340	25	■
	M16	605R16	17.0	12.0	14.5	68.0	27.0		2.24	2.400	25	■
50	M6	606R6	6.5	14.0	16.5	59.0	32.0		3.00	3.220	25	■
	M8	606R8	8.5	14.0	16.5	59.0	32.0		2.93	3.150	25	■
	M10	606R10	10.5	14.0	16.5	63.0	32.0		3.08	3.300	25	■
	M12	606R12	13.0	14.0	16.5	68.0	32.0		3.23	3.450	25	■
	M14	606R14	15.0	14.0	16.5	71.5	32.0		3.32	3.540	25	■
	M16	606R16	17.0	14.0	16.5	77.0	32.0		3.38	3.600	25	■
	M20	606R20	21.0	14.0	16.5	83.5	32.0		3.46	3.680	25	■
70	M6	607R6	6.5	16.4	18.9	65.5	33.5		4.49	4.760	25	■
	M8	607R8	8.5	16.4	18.9	65.5	33.5		4.38	4.650	25	■
	M10	607R10	10.5	16.4	18.9	66.5	33.5		4.54	4.810	25	■
	M12	607R12	13.0	16.4	18.9	70.5	33.5		4.63	4.900	25	■
	M14	607R14	15.0	16.4	18.9	73.5	33.5		4.76	5.030	25	■
	M16	607R16	17.0	16.4	18.9	78.5	33.5		4.24	4.510	25	■
	M20	607R20	21.0	16.4	18.9	84.5	33.5		5.09	5.360	25	■



Tubular cable lugs, insulated

- standard type
- material: cable lug E-copper
- surface: tin plated
- with or without inspection hole
- material: insulating sleeve PA, free of halide



Cross section mm²	Bolt size Ø	Part No.*	Dimensions mm**					Weight 100 pcs. ~ kg		pcs.	Colour
			d2	d12	d13	G11	l10	Cu	Total		
95	M8	608R8	8.5	17.8	20.8	74.0	40.0	5.44	5.85	25	■
	M10	608R10	10.5	17.8	20.8	74.0	40.0	5.40	5.81	25	■
	M12	608R12	13.0	17.8	20.8	76.0	40.0	5.56	5.97	25	■
	M14	608R14	15.0	17.8	20.8	79.5	40.0	5.62	6.03	25	■
	M16	608R16	17.0	17.8	20.8	84.0	40.0	5.82	6.23	25	■
	M20	608R20	21.0	17.8	20.8	96.0	40.0	6.71	7.12	25	■
120	M8	609R8	8.5	19.3	22.3	80.5	41.5	6.72	7.18	10	■
	M10	609R10	10.5	19.3	22.3	80.5	41.5	6.57	7.03	10	■
	M12	609R12	13.0	19.3	22.3	80.5	41.5	6.38	6.84	10	■
	M14	609R14	15.0	19.3	22.3	82.5	41.5	6.45	6.91	10	■
	M16	609R16	17.0	19.3	22.3	85.5	41.5	6.51	6.97	10	■
	M20	609R20	21.0	19.3	22.3	100.5	41.5	7.74	8.20	10	■
150	M8	610R8	8.5	20.8	23.8	88.0	48.0	7.78	8.36	10	■
	M10	610R10	10.5	20.8	23.8	88.0	48.0	7.62	8.20	10	■
	M12	610R12	13.0	20.8	23.8	89.0	48.0	7.73	8.31	10	■
	M14	610R14	15.0	20.8	23.8	90.0	48.0	7.64	8.22	10	■
	M16	610R16	17.0	20.8	23.8	92.0	48.0	7.53	8.11	10	■
	M20	610R20	21.0	20.8	23.8	106.0	48.0	8.80	9.38	10	■

*Part number for inspection hole version with appendix "ms".

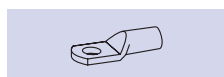
**Dimensions of tubular cable lugs see catalogue page 1.5 + 1.6

>> Tool: see chart page 1.30



Butt-connectors, insulated

- standard type
- material: connector E-copper
- surface: tin plated
- material: insulating sleeve PA, free of halide



Cross section mm²	Part No.	Dimensions mm**			Weight 100 pcs. ~ kg		pcs.	Colour
		d12	d13	l10	Cu	Total		
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	■

**Dimensions of the butt-connectors see catalogue page 1.10

>> Tool: see chart page 1.30



Sleeves for compacted conductors*

- for tubular cable lugs and connectors "standard type"
- material: E-copper
- surface: tin plated
- for round shaped conductors
- pre-rounding dies see chapter 11



Cross section mm ²	Part No.	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
		d1	d4	l		
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

*See instructions catalogue page 12.6



Sleeves for compacted conductors*

- for tubular cable lugs and connectors "standard type"
- material: E-copper
- surface: tin plated
- for 3 core shaped conductors (120° angle)
- pre-rounding dies see chapter 11



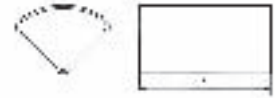
Cross section mm ²	Part No.	Dim. mm l	Weight/ 100 pcs. ~ kg	pcs.
35	VHR353	14	0.08	100
50	VHR503	17	0.17	50
70	VHR703	18	0.29	50
95	VHR953	22	0.45	50
120	VHR1203	23	0.49	50
150	VHR1503	25	0.58	25
185	VHR1853	25	0.80	25
240	VHR2403	30	1.04	25

*See instructions catalogue page 12.6



Sleeves for compacted conductors*

- for tubular cable lugs and connectors "standard type"
- material: E-copper
- surface: tin plated
- for 4 core shaped conductors (90° angle)
- pre-rounding dies see chapter 11



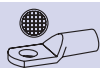
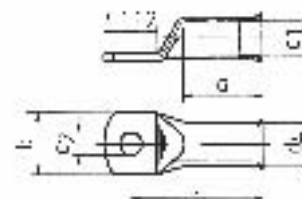
Cross section mm ²	Part No.	Dim. mm l	Weight/ 100 pcs. ~ kg	pcs.
35	VHR354	14	0.13	100
50	VHR504	17	0.17	50
70	VHR704	18	0.28	50
95	VHR954	22	0.40	50
120	VHR1204	23	0.51	50
150	VHR1504	25	0.57	25
185	VHR1854	25	0.78	25
240	VHR2404	30	0.85	25

*See instructions catalogue page 12.6



Tubular cable lugs

- for fine stranded conductors, DIN VDE 57295
- flared cable entry to ease insertion
- material: E-copper
- surface: tin plated
- with or without inspection hole

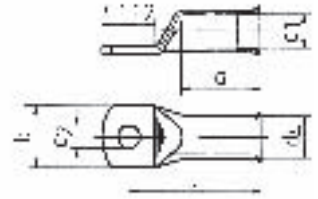


Cross section mm²	Bolt size Ø	Part No.*	Dimensions mm									Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	c2	l			
10	M5	702F5	5.5	14	12	5.3	8.0	6.25	7.5	27	0.72	100	
	M6	702F6	5.5	14	12	6.5	8.0	6.25	7.5	27	0.71	100	
	M8	702F8	5.5	14	16	8.5	8.0	8.50	9.5	29	0.77	100	
	M10	702F10	5.5	14	16	10.5	8.0	10.50	11.5	31	0.82	100	
	M12	702F12	5.5	14	19	13.0	8.0	12.00	13.0	32	0.82	100	
16	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	
	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	
25	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	
	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	
35	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	
	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	
50	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	
	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	
70	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	
	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	
95	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	
	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	
120	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	
	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	
150	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	
	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	



Tubular cable lugs

- for fine stranded conductors, DIN VDE 57295
- flared cable entry to ease insertion
- material: E-copper
- surface: tin plated
- with or without inspection hole



Cross section mm²	Bolt size Ø	Part No.*	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	c2	l		
185	M12	711F12	20.6	35	39	13	26	21.5	19	72	15.40	10
	M14	711F14	20.6	35	39	15	26	21.5	19	72	15.20	10
	M16	711F16	20.6	35	39	17	26	21.5	19	72	15.00	25
	M20	711F20	20.6	35	39	21	26	21.5	19	72	14.20	10
240	M12	712F12	23.1	44	41	13	28	16.0	17	80	16.30	10
	M14	712F14	23.1	44	41	15	28	19.0	20	83	16.80	10
	M16	712F16	23.1	44	41	17	28	19.0	20	83	16.71	25
	M20	712F20	23.1	44	41	21	28	21.0	22	85	17.12	10
300	M12	713F12	26.1	44	47	13	32	19.0	22	96	25.60	5
	M14	713F14	26.1	44	47	15	32	19.0	22	96	26.56	5
	M16	713F16	26.1	44	47	17	32	19.0	22	96	25.60	5
	M20	713F20	26.1	44	47	21	32	22.0	22	96	26.24	5

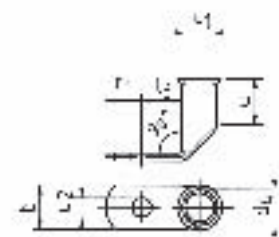
*Part number for inspection hole version with appendix "ms"

>> Tool: see chart page 1.31



Tubular angle cable lugs

- for fine stranded conductors, DIN VDE 57295
- flared cable entry to ease insertion
- 90° angle, also available with 45° angle
- material: E-copper
- surface: tin plated

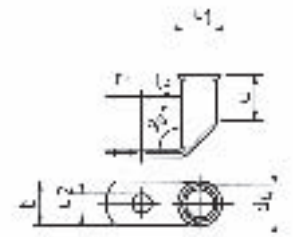


Cross section mm²	Bolt size Ø	Part No.*	Dimensions mm							Weight/ 100 pcs.	pcs.
			d1	a	b	d2	d4	c1	l3 min.	~ kg	
10	M5	742F5	5.5	14	12	5.3	8.0	6.25	7.5	0.80	50
	M6	742F6	5.5	14	12	6.5	8.0	6.25	7.5	0.78	50
	M8	742F8	5.5	14	16	8.5	8.0	9.00	9.5	0.84	50
	M10	742F10	5.5	14	16	10.5	8.0	10.50	12.0	0.88	50
	M12	742F12	5.5	14	19	13.0	8.0	12.00	13.0	0.90	50
16	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
	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
25	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
	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
35	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
	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
50	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
	M10	746F10	11.0	21	21	10.5	15.0	12.00	12.0	3.83	25
	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
70	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
	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
95	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
	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
120	M16	748F16	14.5	26	28	17.0	19.0	16.00	16.0	7.34	25
	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
	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



Tubular angle cable lugs

- for fine stranded conductors, DIN VDE 57295
- flared cable entry to ease insertion
- 90° angle, also available with 45° angle
- material: E-copper
- surface: tin plated



Cross section mm²	Bolt size Ø	Part No.*	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	l3 min.		
150	M10	750F10	18.0	32	34	11	23	15.0	16	11.54	10
	M12	750F12	18.0	32	34	13	23	16.0	18	11.58	10
	M14	750F14	18.0	32	34	15	23	18.0	19	11.90	10
	M16	750F16	18.0	32	34	17	23	19.0	20	11.80	10
	M20	750F20	18.0	32	40	21	23	21.0	22	12.00	10
185	M12	751F12	20.6	35	39	13	26	21.5	19	16.36	10
	M14	751F14	20.6	35	39	15	26	21.5	19	16.20	10
	M16	751F16	20.6	35	39	17	26	21.5	19	15.36	10
	M20	751F20	20.6	35	39	21	26	21.5	19	15.80	10

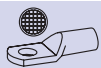
*Part number for 45° angle version with appendix "45"

>> Tool: see chart page 1.31



Butt-connectors

- for fine stranded conductors, DIN VDE 57295
- flared cable entry to ease insertion
- material: E-copper
- surface: tin plated



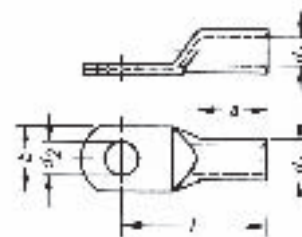
Cross section mm²	Part No.	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
		d1	d4	l		
10	722F	5.5	8.0	38	0.90	100
16	723F	6.6	9.5	38	1.25	100
25	724F	7.9	11.0	38	1.56	50
35	725F	9.2	12.5	45	2.19	50
50	726F	11.0	15.0	45	3.37	50
70	727F	13.0	17.0	54	4.65	50
95	728F	14.5	19.0	56	6.05	25
120	729F	16.2	21.0	60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

>> Tool: see chart page 1.31



Stainless steel tubular cable lugs

- material: stainless steel V2A
- heat resistant up to 400 °C
- for aggressive environmental factors
- ring type



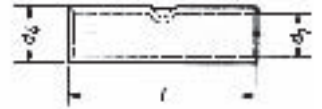
Cross section mm²	Bolt size Ø	Part No.	Dimensions mm						Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	l		
0.5-1	M4	79V4	1.6	6	6.5	4.3	3.2	13	0.080	100
	M5	79V5	1.6	6	7.5	5.3	3.2	14	0.080	100
1.5-2.5	M4	80V4	3.0	8	9.0	4.3	5.0	17	0.260	100
	M5	80V5	3.0	8	9.0	5.5	5.0	17	0.190	100
	M6	80V6	3.0	8	9.5	6.5	5.0	19	0.215	100
4-6	M4	81V4	4.0	9	9.0	4.3	6.0	18	0.260	100
	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
10	M5	82V5	5.0	10	12.5	5.5	8.0	22	0.710	100
	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
16	M5	83V5	6.0	13	12.0	5.5	8.0	28	0.500	100
	M6	83V6	6.0	13	12.0	6.5	8.0	28	0.550	100
	M8	83V8	6.0	13	15.0	8.5	8.0	29	0.600	100
25	M6	84V6	7.0	15	14.0	6.5	10.0	30	1.210	50
	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
	M8	85V8	9.0	17	17.0	8.5	12.0	35	1.850	50
50	M6	86V6	10.0	19	20.0	6.5	14.0	37	2.800	50
	M8	86V8	10.0	19	20.0	8.5	14.0	37	2.600	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
70	M8	87V8	12.0	21	23.0	8.5	16.0	43	3.650	25
	M10	87V10	12.0	21	23.0	10.5	16.0	44	3.930	25
	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
95	M8	88V8	14.0	25	26.0	8.5	18.0	48	4.650	25
	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

>> Tool: see chart page 1.31



Stainless steel butt-connectors

- material: stainless steel V2A
- heat resistant up to 400 °C
- for aggressive environmental factors



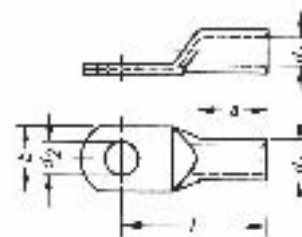
Cross section mm ²	Part No.	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
		d1	d4	l		
0.5-1	79R	1.6	3.2	25	0.135	50
1.5-2.5	80R	3.0	5.0	25	0.250	50
4-6	81R	4.0	6.0	25	0.325	50
10	82R	5.0	8.0	25	0.360	50
16	83R	6.0	8.0	30	0.510	50
25	84R	7.0	10.0	35	1.100	25
35	85R	9.0	12.0	40	1.560	25
50	86R	10.0	14.0	45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

>> Tool: see chart page 1.31



Nickel tubular cable lugs

- material: high grade nickel
- heat resistant up to 650 °C
- ring type



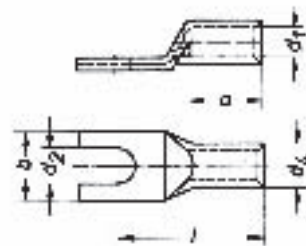
Cross section mm²	Bolt size Ø	Part No.	Dimensions mm						Weight/ 100 pcs.	
			d1	a	b	d2	d4	l	~ kg	pcs.
0.5-1	M4	56N4	1.6	6	6.5	4.3	3.2	13	0.080	100
	M5	56N5	1.6	6	7.5	5.3	3.2	14	0.080	100
1.5-2.5	M4	57N4	2.3	6	7.0	4.3	3.9	13	0.105	100
	M5	57N5	2.3	6	7.5	5.3	3.9	14	0.105	100
	M6	57N6	2.3	6	9.5	6.5	3.9	16	0.130	100
4-6	M4	58N4	3.6	9	9.5	4.3	5.6	18	0.275	100
	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
	M6	59N6	4.5	10	12.0	6.5	6.5	22	0.360	100
16	M5	60N5	5.5	13	12.0	5.5	7.5	26	0.470	100
	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
	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
	M8	62N8	8.5	17	17.0	8.5	12.0	34	2.000	50
50	M8	63N8	10.0	19	20.0	8.5	14.0	37	2.900	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
	M12	64N12	12.0	21	23.0	13.0	16.5	46	4.660	25
95	M10	65N10	13.5	25	26.0	10.5	18.0	48	5.550	25
	M12	65N12	13.5	25	26.0	13.0	18.0	49	5.600	25

>> Tool: see chart page 1.31



Nickel tubular cable lugs

- material: high grade nickel
- heat resistant up to 650 °C
- fork type



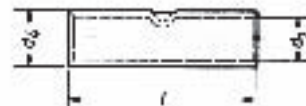
Cross section mm²	Bolt size Ø	Part No.	Dimensions mm						Weight/ 100 pcs.	
			d1	a	b	d2	d4	l	~ kg	
0.5-1	M4	56C4	1.6	6	6.5	4.3	3.2	13	0.070	50
	M5	56C5	1.6	6	7.5	5.3	3.2	14	0.075	50
1.5-2.5	M4	57C4	2.3	6	7.0	4.3	3.9	13	0.095	50
	M5	57C5	2.3	6	7.5	5.3	3.9	14	0.095	50
	M6	57C6	2.3	6	9.5	6.5	3.9	16	0.110	50
4-6	M4	58C4	3.6	9	9.5	4.3	5.6	18	0.250	50
	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
10	M5	59C5	4.5	10	12.0	5.5	6.5	21	0.320	50
	M6	59C6	4.5	10	12.0	6.5	6.5	22	0.340	50
16	M5	60C5	5.5	13	12.0	5.5	7.5	26	0.440	50
	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

>> Tool: see chart page 1.31



Nickel connectors

- material: high grade nickel
- heat resistant up to 650 °C



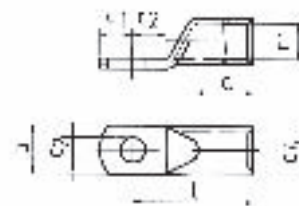
Cross section mm²	Part No.	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
		d1	d4	l		
0.5-1	62R	1.6	3.2	25	0.135	50
1.5-2.5	63R	2.3	3.9	25	0.170	50
4-6	64R	3.6	5.6	25	0.325	50
10	65R	4.5	6.5	25	0.360	50
16	66R	5.5	7.5	30	0.510	50

>> Tool: see chart page 1.31



Tubular cable lugs for switchgear connections

- designed with a narrow palm
- material: E-copper
- surface: tin plated
- with or without inspection hole



Cross section mm ²	Bolt size Ø	Part No.*	Dimensions mm									Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	c2	l			
35	M6	5SG6	8.5	17	15.0	6.5	12.0	7.5	7.5	32		1.78	25
50	M6	6SG6	10.0	19	15.0	6.5	14.0	10.0	10.0	37		2.95	25
	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
70	M6	7SG6	12.0	21	17.0	6.5	16.5	10.0	10.0	43		4.22	25
	M8	7SG8	12.0	21	17.0	8.5	16.5	10.0	10.0	43		4.10	25
	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
95	M6	8SG6	13.5	25	19.0	6.5	18.0	11.5	12.0	48		5.49	25
	M8	8SG8	13.5	25	19.0	8.5	18.0	11.5	12.0	48		5.46	25
	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
120	M6	9SG6	15.0	26	19.0	6.5	19.5	11.5	14.0	51		6.16	10
	M8	9SG8	15.0	26	19.0	8.5	19.5	11.5	14.0	51		5.94	10
	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
150	M6	10SG6	16.5	30	19.0	6.5	21.0	11.5	14.0	56		6.85	10
	M8	10SG8	16.5	30	19.0	8.5	21.0	11.5	14.0	56		6.80	10
	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
185	M10	11SG10	19.0	30	24.5	10.5	24.0	11.5	18.0	65		10.59	10
	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
240	M10	12SG10	21.0	35	31.0	10.5	26.0	11.5	19.0	72		12.70	5
	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
300	M10	13SG10	23.5	44	31.0	10.5	30.0	11.5	24.0	87		19.70	5
	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

*Part number for inspection hole version with appendix "ms"

>> Tool: see chart page 1.29

According to French norm



According to French norm: NFC 20-130
NFF.00-363
EDF.HN.68.S.90

Special type connectors

e.g. roll cable lugs, flag cable lugs, tubular cable lugs in special design with two- or four-hole palm, cable lugs made of stainless steel.

Please use our check-list, catalogue page 12.15



According to US norm



According to US norm
UL approval No. E-111354



Tool application chart

Tubular cable lugs and connectors "standard type" and tubular cable lugs for switchgear connections Cu
 • Catalogue pages 1.2 - 1.13 and 1.27



Range: mm ²	Tools	M	M+	H	H+	Crimping profile	Catalogue page
0.5-6	K13	•					9.10
0.75-2.5	KP1 +KP232	•					9.16
	KP1L +KP232	•					9.17
	EKP1 +KP232			•			10.14
	TEKP1 +KP232			•			10.42
0.75-10	K50	•					9.19
	EK1550			•			10.12
	EK1550G			•			10.13
0.75-16	K2	•					9.10
4-10	KP1 +KP242	•					9.16
	KP1L +KP242	•					9.17
	EKP1 +KP242			•			10.14
	TEKP1 +KP242			•			10.42
6-50	K5	•					9.12
	K05	•					9.14
6-120	EK354			•			10.15
6-185	K18	•					9.21
	HK6018			•			10.2
	EK18PLUS			•			10.16
	PK18			•			10.30
	THK18			•			10.43
	HK60UNV + UA18			•			10.11
	EK60UNV + UA18			•			10.29
	PK60UNV + UA18			•			10.41
6-300	K22	•					9.22
	HK6022			•			10.3
	EK22PLUS			•			10.17
	PK22			•			10.31
	THK22			•			10.44
	HK60UNV + UA22			•			10.11
	EK60UNV + UA22			•			10.29
	PK60UNV + UA22			•			10.41
10-120	K06	•					9.15
10-240	HK60VP			•			10.4
	EK60VPPLUS			•			10.18
	PK60VP			•			10.32

Range: mm ²	Tools	M	M+	H	H+	Crimping profile	Catalogue page
16-95	K08	•					9.14
	K95	•					9.11
	TK95	•					9.11
16-300	HK60VPFT			•			10.5
	EK60VPFTPLUS			•			10.19
	PK60VPFT			•			10.33
16-400	HK12025			•			10.6
	HK12042			•			10.7
	HK120U			•			10.8
	EK12025			•			10.20
	EK12042			•			10.21
	EK120UPLUS			•			10.22
	HK122			•			10.45
	HK122EL			•			10.50
	PK12038			•			10.34
	PK120U			•			10.35
	HK252			•			10.46
	HK252EL			•			10.50
	PK252			•			10.36
25-150	K09	•					9.15
35-95	K8	•					9.13
50-120	K6	•					9.12
120-240	K7	•					9.12
185-400	K07	•					9.12

M mechanical tools,
without interchangeable dies

H hydraulic tools, hand-operated

M+ mechanical tools,
with interchangeable dies

H+ battery powered and
mains operated tools

Tubular cable lugs and connectors Cu for solid conductors
 • Catalogue pages 1.10 - 1.14


Range: mm ²	Tools	M	M +	H	H +	Crimping profile	Catalogue page
0.75-16	K02	•					9.11
1.5-4	K93	•					9.10
1.5-10	K50		•				9.19
	EK1550			•			10.12
	EK1550G			•			10.13
1.5-16	EK354			•			10.15
	K18		•				9.21
	HK6018			•			10.2
	EK18PLUS			•			10.16
	PK18			•			10.30
	THK18			•			10.43
	HK60UNV + UA18			•			10.11
	EK60UNV + UA18			•			10.29
	PK60UNV + UA18			•			10.41
	K22		•				9.22
	HK6022			•			10.3
	EK22PLUS			•			10.17
	PK22			•			10.31
	THK22			•			10.44
	HK60UNV + UA22			•			10.11
	EK60UNV + UA22			•			10.29
	PK60UNV + UA22			•			10.41
6-10	K94	•					9.10
25-50*	K05	•					9.14

*For sizes 25 + 35 mm² use die size 25 mm².
 For size 50 mm² use die size 35 mm².
 We recommend 2 crimps on each side.

Insulated tubular cable lugs and connectors Cu
 • Catalogue pages 1.15 - 1.16


Range: mm ²	Tools	M	M +	H	H +	Crimping profile	Catalogue page
10-70	EK354			•			10.15
10-95	K18		•				9.21
	HK6018			•			10.2
	EK18PLUS			•			10.16
	PK18			•			10.30
	THK18			•			10.43
	HK60UNV + UA18			•			10.11
	EK60UNV + UA18			•			10.29
	PK60UNV + UA18			•			10.41
10-150	K22		•				9.22
	HK6022			•			10.3
	EK22PLUS			•			10.17
	PK22			•			10.31
	THK22			•			10.44
	HK60UNV + UA22			•			10.11
	EK60UNV + UA22			•			10.29
	PK60UNV + UA22			•			10.41
	HK12025			•			10.6
	HK12042			•			10.7
	HK120U			•			10.8
	EK12025			•			10.20
	EK12042			•			10.21
	EK120UPLUS			•			10.22
	HK122			•			10.45
	HK122EL			•			10.50
	PK12038			•			10.34
	PK120U			•			10.35
	HK252			•			10.46
	HK252EL			•			10.50
	PK252			•			10.36

M mechanical tools,
without interchangeable dies

H hydraulic tools, hand-operated

M + mechanical tools,
with interchangeable dies

H + battery powered and
mains operated tools

Tool application chart

Tubular cable lugs and connectors for fine stranded conductors Cu
 • Catalogue pages 1.19 - 1.22


Range: mm ²	Tools	M	M +	H	H +	Crimping profile	Catalogue page
10-50	EK354			•			10.15
	K5	•					9.12
	K18		•				9.21
	HK6018			•			10.2
	EK18PLUS			•			10.16
	PK18			•			10.30
	THK18			•			10.43
	HK60UNV + UA18			•			10.11
	EK60UNV + UA18			•			10.29
	PK60UNV + UA18			•			10.41
10-70	K22		•				9.22
	HK6022			•			10.3
	EK22PLUS			•			10.17
	PK22			•			10.31
	THK22			•			10.44
	HK60UNV + UA22			•			10.11
	EK60UNV + UA22			•			10.29
	PK60UNV + UA22			•			10.41
10-240	HK60VP			•			10.4
	EK60VPPLUS			•			10.18
	PK60VP			•			10.32
16-95	K95	•					9.11
	TK95	•					9.11
16-150	HK60VPFT			•			10.5
	HK12025			•			10.6
	HK12042			•			10.7
	HK120U			•			10.8
	EK60VPFTPLUS			•			10.19
	EK12025			•			10.20
	EK12042			•			10.21
	EK120UPLUS			•			10.22
	HK122			•			10.45
	HK122EL			•			10.50
	PK60VPFT			•			10.33
	PK12038			•			10.34
	PK120U			•			10.35

Range: mm ²	Tools	M	M +	H	H +	Crimping profile	Catalogue page
16-300	HK252			•			10.46
	HK252EL			•			10.50
	PK252			•			10.36
35-95	K8	•					9.13
50-120	K6	•					9.12
120-240	K7	•					9.12

Stainless steel tubular cable lugs and connectors, Tubular nickel cable lugs and connectors
 • Catalogue pages 1.23 - 1.26


Range: mm ²	Tools	M	M +	H	H +	Crimping profile	Catalogue page
0.5-16	K25	•					9.11
	EK354			•			10.15
10-50	K22		•				9.22
	HK6022			•			10.3
	EK22PLUS			•			10.17
	PK22			•			10.31
	THK22			•			10.44
	HK60UNV + UA22			•			10.11
	EK60UNV + UA22			•			10.29
	PK60UNV + UA22			•			10.41

M mechanical tools, without interchangeable dies

H hydraulic tools, hand-operated

M + mechanical tools, with interchangeable dies

H + battery powered and mains operated tools

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

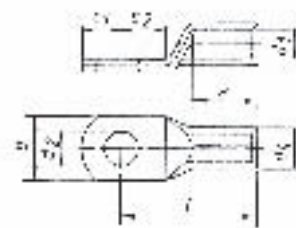


Tubular compression cable lugs Cu DIN 46235	2.2
Angle compression cable lugs Cu	2.4
Compression cable lugs with two long holes in the palm	2.8
Compression joints Cu DIN 46267, part 1 and similar versions	2.9
Reduction sleeves Cu	2.12
Sleeves for compacted conductors Cu	2.13
Tool application chart	2.15



Tubular compression cable lugs

- DIN 46235
- material: E-copper
- surface: tin plated, optional copper finish

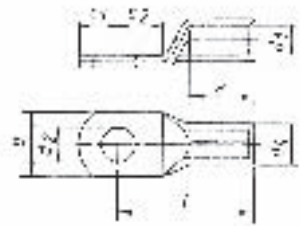


Cross section mm ²	Bolt size Ø	Part No.*	Die code	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.
				d1	a	b	d2	d4	c1	c2	l		
6	M 5	101R5	5	3.8	10	8.5	5.3	5.5	6.5	7.5	24	0.24	100
	M 6	101R6	5	3.8	10	8.5	6.4	5.5	7.5	8.0	24	0.30	100
	M 8	**101R8	5	3.8	10	13.0	8.4	5.5	10.0	10.0	24	0.34	100
10	M 5	102R5	6	4.5	10	9.0	5.3	6.0	7.0	8.5	27	0.37	100
	M 6	102R6	6	4.5	10	9.0	6.4	6.0	7.5	8.5	27	0.36	100
	M 8	**102R8	6	4.5	10	13.0	8.4	6.0	10.0	10.0	27	0.38	100
16	M 6	103R6	8	5.5	20	13.0	6.4	8.5	7.5	8.0	36	1.19	100
	M 8	103R8	8	5.5	20	13.0	8.4	8.5	10.0	10.0	36	1.22	100
	M 10	103R10	8	5.5	20	17.0	10.5	8.5	12.0	12.0	36	1.30	100
	M 12	**103R12	8	5.5	20	18.0	13.0	8.5	13.0	13.0	36	1.27	100
25	M 6	104R6	10	7.0	20	14.0	6.4	10.0	7.5	8.0	38	1.51	50
	M 8	104R8	10	7.0	20	16.0	8.4	10.0	10.0	10.0	38	1.54	50
	M 10	104R10	10	7.0	20	17.0	10.5	10.0	12.0	12.0	38	1.62	50
	M 12	104R12	10	7.0	20	19.0	13.0	10.0	13.0	13.0	38	1.66	25
35	M 6	**105R6	12	8.2	20	17.0	6.4	12.5	7.5	8.0	42	2.77	50
	M 8	105R8	12	8.2	20	17.0	8.4	12.5	10.0	10.0	42	2.85	50
	M 10	105R10	12	8.2	20	19.0	10.5	12.5	12.0	12.0	42	2.84	50
	M 12	105R12	12	8.2	20	21.0	13.0	12.5	13.0	13.0	42	2.79	50
	M 14	**105R14	12	8.2	20	21.0	15.0	12.5	14.5	14.5	42	2.70	25
50	M 8	106R8	14	10.0	28	20.0	8.4	14.5	10.0	10.0	52	4.46	50
	M 10	106R10	14	10.0	28	22.0	10.5	14.5	12.0	12.0	52	4.48	50
	M 12	106R12	14	10.0	28	24.0	13.0	14.5	13.0	13.0	52	4.40	50
	M 14	**106R14	14	10.0	28	24.0	15.0	14.5	14.5	14.5	52	4.30	25
	M 16	106R16	14	10.0	28	28.0	17.0	14.5	16.0	16.0	52	4.57	25
70	M 8	107R8	16	11.5	28	24.0	8.4	16.5	10.0	10.0	55	5.92	50
	M 10	107R10	16	11.5	28	24.0	10.5	16.5	12.0	12.0	55	6.02	50
	M 12	107R12	16	11.5	28	24.0	13.0	16.5	13.0	13.0	55	5.89	50
	M 14	**107R14	16	11.5	28	24.0	15.0	16.5	14.5	14.5	55	5.80	25
	M 16	107R16	16	11.5	28	30.0	17.0	16.5	16.0	16.0	55	6.13	25
95	M 8	*108R8	18	13.5	35	28.0	8.4	19.0	12.0	12.0	65	9.21	25
	M 10	108R10	18	13.5	35	28.0	10.5	19.0	12.0	12.0	65	8.97	50
	M 12	108R12	18	13.5	35	28.0	13.0	19.0	13.0	13.0	65	8.62	50
	M 14	**108R14	18	13.5	35	28.0	15.0	19.0	14.5	14.5	65	8.78	25
	M 16	108R16	18	13.5	35	32.0	17.0	19.0	16.0	16.0	65	9.00	50
120	M 10	109R10	20	15.5	35	32.0	10.5	21.0	15.0	16.0	70	11.40	50
	M 12	109R12	20	15.5	35	32.0	13.0	21.0	16.0	17.0	70	11.31	50
	M 14	**109R14	20	15.5	35	32.0	15.0	21.0	18.0	19.0	70	11.45	25
	M 16	109R16	20	15.5	35	32.0	17.0	21.0	19.0	20.0	70	11.24	50
	M 20	109R20	20	15.5	35	38.0	21.0	21.0	21.0	22.0	70	11.03	25
150	M 10	110R10	22	17.0	35	34.0	10.5	23.5	15.0	16.0	78	16.38	10
	M 12	110R12	22	17.0	35	34.0	13.0	23.5	16.0	17.0	78	16.29	25
	M 14	**110R14	22	17.0	35	34.0	15.0	23.5	19.0	20.0	78	16.38	10
	M 16	110R16	22	17.0	35	34.0	17.0	23.5	19.0	20.0	78	16.17	10
	M 20	110R20	22	17.0	35	40.0	21.0	23.5	21.0	22.0	78	15.90	10



Tubular compression cable lugs

- DIN 46235
- material: E-copper
- surface: tin plated, optional copper finish



Cross section mm ²	Bolt size Ø	Part No.*	Die code	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.
				d1	a	b	d2	d4	c1	c2	l		
185	M 10	111R10	25	19.0	40	37	10.5	25.5	15	16	82	18.96	10
	M 12	111R12	25	19.0	40	37	13.0	25.5	16	17	82	18.11	10
	M 14	**111R14	25	19.0	40	37	15.0	25.5	19	20	82	19.21	10
	M 16	111R16	25	19.0	40	37	17.0	25.5	19	20	82	18.74	25
	M 20	111R20	25	19.0	40	40	21.0	25.5	21	22	82	18.69	10
240	M 12	112R12	28	21.5	40	42	13.0	29.0	16	17	92	27.00	10
	M 14	**112R14	28	21.5	40	42	15.0	29.0	19	20	92	27.58	10
	M 16	112R16	28	21.5	40	42	17.0	29.0	19	20	92	27.37	25
	M 20	112R20	28	21.5	40	45	21.0	29.0	21	22	92	26.88	10
300	M 14	**113R14	32	24.5	50	46	15.0	32.0	19	22	100	33.29	5
	M 16	113R16	32	24.5	50	46	17.0	32.0	19	22	100	32.94	5
	M 20	113R20	32	24.5	50	46	21.0	32.0	22	22	100	33.24	5
400	M 14	**114R14	38	27.5	70	54	15.0	38.5	25	25	115	69.38	5
	M 16	114R16	38	27.5	70	54	17.0	38.5	25	25	115	68.54	5
	M 20	114R20	38	27.5	70	54	21.0	38.5	25	25	115	65.40	5
500	M 16	**115R16	42	31.0	70	60	17.0	42.0	25	25	125	83.31	1
	M 20	115R20	42	31.0	70	60	21.0	42.0	25	25	125	81.58	1
625	M 16	**116R16	44	34.5	80	64	17.0	44.0	25	25	135	79.60	1
	M 20	116R20	44	34.5	80	64	21.0	44.0	25	25	135	79.69	1
800	M 16	**117R16	52	40.0	100	75	17.0	52.0	30	30	165	150.00	1
	M 20	117R20	52	40.0	100	75	21.0	52.0	30	30	165	149.00	1
1000	M 16	**118R16	58	44.0	100	83	17.0	58.0	30	30	165	199.00	1
	M 20	118R20	58	44.0	100	83	21.0	58.0	30	30	165	195.00	1

*Part number for copper finish version with appendix "bk"

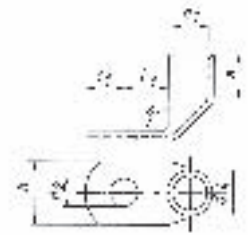
** Not standardized

>> Tool: see chart page 2.15



Angle compression cable lugs

- 90° angle
- tube dimensions according to DIN 46235
- material: E-copper
- surface: tin plated, optional copper finish

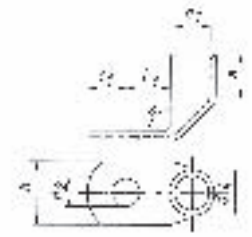


Cross section mm ²	Bolt size Ø	Part No.*	Die code	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.
				d1	a	b	d2	d4	c1	l3		
6	M 5	161R5	5	3.8	10	8.5	5.3	5.5	6.5	9	0.28	50
	M 6	161R6	5	3.8	10	8.5	6.4	5.5	7.5	10	0.32	50
10	M 5	162R5	6	4.5	10	9.0	5.3	6.0	7.0	10	0.34	50
	M 6	162R6	6	4.5	10	9.0	6.4	6.0	7.5	10	0.35	50
	M 8	162R8	6	4.5	10	13.0	.0	6.0	10.0	13	0.37	50
16	M 6	163R6	8	5.5	20	13.0	6.4	8.5	7.5	11	1.20	50
	M 8	163R8	8	5.5	20	13.0	8.4	8.5	10.0	13	1.30	50
	M 10	163R10	8	5.5	20	17.0	10.5	8.5	12.0	15	1.40	50
	M 12	163R12	8	5.5	20	18.0	13.0	8.5	13.0	18	1.33	50
25	M 6	164R6	10	7.0	20	14.0	6.4	10.0	7.5	11	1.54	25
	M 8	164R8	10	7.0	20	16.0	8.4	10.0	10.0	13	1.60	25
	M 10	164R10	10	7.0	20	17.0	10.5	10.0	12.0	15	1.63	25
	M 12	164R12	10	7.0	20	19.0	13.0	10.0	13.0	18	1.70	25
35	M 8	165R8	12	8.2	20	17.0	8.4	12.5	10.0	13	2.72	25
	M 10	165R10	12	8.2	20	19.0	10.5	12.5	12.0	15	2.76	25
	M 12	165R12	12	8.2	20	21.0	13.0	12.5	13.0	18	2.85	25
	M 14	165R14	12	8.2	20	21.0	15.0	12.5	14.5	20	2.92	25
50	M 8	166R8	14	10.0	28	20.0	8.4	14.5	10.0	16	4.39	25
	M 10	166R10	14	10.0	28	22.0	10.5	14.5	12.0	16	4.46	25
	M 12	166R12	14	10.0	28	24.0	13.0	14.5	13.0	18	4.49	25
	M 14	166R14	14	10.0	28	24.0	15.0	14.5	14.5	20	4.73	25
	M 16	166R16	14	10.0	28	28.0	17.0	14.5	16.0	22	4.66	25
70	M 8	167R8	16	11.5	28	24.0	8.4	16.5	10.0	14	5.92	25
	M 10	167R10	16	11.5	28	24.0	10.5	16.5	12.0	16	6.31	25
	M 12	167R12	16	11.5	28	24.0	13.0	16.5	13.0	18	6.34	25
	M 14	167R14	16	11.5	28	24.0	15.0	16.5	14.5	20	6.50	25
	M 16	167R16	16	11.5	28	30.0	17.0	16.5	16.0	22	6.63	25
95	M 10	168R10	18	13.5	35	28.0	10.5	19.0	12.0	17	9.03	25
	M 12	168R12	18	13.5	35	28.0	13.0	19.0	13.0	18	9.27	25
	M 14	168R14	18	13.5	35	28.0	15.0	19.0	14.5	20	9.06	25
	M 16	168R16	18	13.5	35	32.0	17.0	19.0	16.0	22	9.18	25
120	M 10	169R10	20	15.5	35	32.0	10.5	21.0	15.0	17	10.41	10
	M 12	169R12	20	15.5	35	32.0	13.0	21.0	16.0	18	10.65	10
	M 14	169R14	20	15.5	35	32.0	15.0	21.0	18.0	20	10.75	10
	M 16	169R16	20	15.5	35	32.0	17.0	21.0	19.0	22	10.72	10
	M 20	169R20	20	15.5	35	38.0	21.0	21.0	21.0	24	11.00	10



Angle compression cable lugs

- 90° angle
- tube dimensions according to DIN 46235
- material: E-copper
- surface: tin plated, optional copper finish



Cross section mm ²	Bolt size Ø	Part No.*	Die code	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.
				d1	a	b	d2	d4	c1	l3		
150	M 10	170R10	22	17.0	35	34	10.5	23.5	15	17	14.18	10
	M 12	170R12	22	17.0	35	34	13.0	23.5	16	18	14.33	10
	M 14	170R14	22	17.0	35	34	15.0	23.5	19	20	15.60	10
	M 16	170R16	22	17.0	35	34	17.0	23.5	19	22	15.24	10
	M 20	170R20	22	17.0	35	40	21.0	23.5	21	24	15.70	10
185	M 10	171R10	25	19.0	40	37	10.5	25.5	15	22	18.60	10
	M 12	171R12	25	19.0	40	37	13.0	25.5	16	22	18.69	10
	M 14	171R14	25	19.0	40	37	15.0	25.5	19	22	19.10	10
	M 16	171R16	25	19.0	40	37	17.0	25.5	19	22	19.00	10
	M 20	171R20	25	19.0	40	40	21.0	25.5	21	24	18.72	10
240	M 12	172R12	28	21.5	40	42	13.0	29.0	16	22	25.09	10
	M 14	172R14	28	21.5	40	42	15.0	29.0	19	22	25.70	10
	M 16	172R16	28	21.5	40	42	17.0	29.0	19	22	24.96	10
	M 20	172R20	28	21.5	40	45	21.0	29.0	21	24	25.26	10

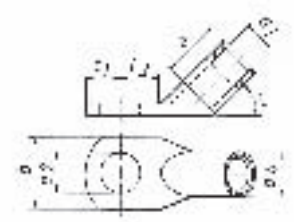
*Part number for copper finish version with appendix "bk"

>> Tool: see chart page 2.15



Angle compression cable lugs

- 45° angle
- tube dimensions according to DIN 46235
- material: E-copper
- surface: tin plated, optional copper finish

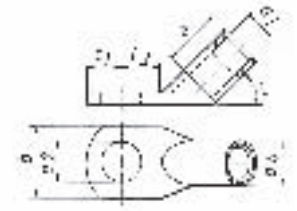


Cross section mm ²	Bolt size Ø	Part No.*	Die code	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.
				d1	a	b	d2	d4	c1	l3			
6	M 5	161R545	5	3.8	10	8.5	5.5	5.5	6.5	9		0.32	50
	M 6	161R645	5	3.8	10	8.5	6.5	5.5	7.5	10		0.34	50
10	M 5	162R545	6	4.5	10	9.0	5.5	6.0	7.0	10		0.36	50
	M 6	162R645	6	4.5	10	9.0	6.5	6.0	7.5	10		0.35	50
	M 8	162R845	6	4.5	10	13.0	8.5	6.0	10.0	13		0.39	50
16	M 6	163R645	8	5.5	20	13.0	6.5	8.5	7.5	11		1.20	50
	M 8	163R845	8	5.5	20	13.0	8.5	8.5	10.0	13		1.27	50
	M 10	163R1045	8	5.5	20	17.0	10.5	8.5	12.0	15		1.34	50
	M 12	163R1245	8	5.5	20	18.0	13.0	8.5	13.0	18		1.35	50
25	M 6	164R645	10	7.0	20	14.0	6.5	10.0	7.5	11		1.49	25
	M 8	164R845	10	7.0	20	16.0	8.5	10.0	10.0	13		1.60	25
	M 10	164R1045	10	7.0	20	17.0	10.5	10.0	12.0	15		1.64	25
	M 12	164R1245	10	7.0	20	19.0	13.0	10.0	13.0	18		1.73	25
35	M 8	165R845	12	8.2	20	17.0	8.5	12.5	10.0	13		2.72	25
	M 10	165R1045	12	8.2	20	19.0	10.5	12.5	12.0	15		2.92	25
	M 12	165R1245	12	8.2	20	21.0	13.0	12.5	13.0	18		2.98	25
	M 14	165R1445	12	8.2	20	21.0	15.0	12.5	14.5	20		3.03	25
50	M 8	166R845	14	10.0	28	20.0	8.5	14.5	10.0	13		4.63	25
	M 10	166R1045	14	10.0	28	22.0	10.5	14.5	12.0	16		4.84	25
	M 12	166R1245	14	10.0	28	24.0	13.0	14.5	13.0	18		4.94	25
	M 14	166R1445	14	10.0	28	24.0	15.0	14.5	14.5	20		4.96	25
	M 16	166R1645	14	10.0	28	28.0	17.0	14.5	16.0	22		4.92	25
70	M 8	167R845	16	11.5	28	24.0	8.5	16.5	10.0	14		6.40	25
	M 10	167R1045	16	11.5	28	24.0	10.5	16.5	12.0	16		6.76	25
	M 12	167R1245	16	11.5	28	24.0	13.0	16.5	13.0	18		6.90	25
	M 14	167R1445	16	11.5	28	24.0	15.0	16.5	14.5	20		6.72	25
	M 16	167R1645	16	11.5	28	30.0	17.0	16.5	16.0	22		6.96	25
95	M 10	168R1045	18	13.5	35	28.0	10.5	19.0	12.0	17		9.64	25
	M 12	168R1245	18	13.5	35	28.0	13.0	19.0	13.0	18		9.21	25
	M 14	168R1445	18	13.5	35	28.0	15.0	19.0	14.5	20		9.51	25
	M 16	168R1645	18	13.5	35	32.0	17.0	19.0	16.0	22		9.40	25
120	M 10	169R1045	20	15.5	35	32.0	10.5	21.0	15.0	17		11.09	10
	M 12	169R1245	20	15.5	35	32.0	13.0	21.0	16.0	18		11.45	10
	M 14	169R1445	20	15.5	35	32.0	15.0	21.0	18.0	20		11.55	10
	M 16	169R1645	20	15.5	35	32.0	17.0	21.0	19.0	22		11.76	10
	M 20	169R2045	20	15.5	35	38.0	21.0	21.0	21.0	24		11.55	10



Angle compression cable lugs

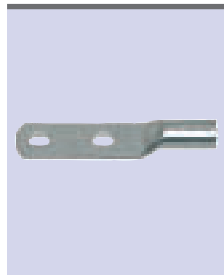
- 45° angle
- tube dimensions according to DIN 46235
- material: E-copper
- surface: tin plated, optional copper finish



Cross section mm ²	Bolt size Ø	Part No.*	Die code	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.
				d1	a	b	d2	d4	c1	l3		
150	M 10	170R1045	22	17.0	35	34	10.5	23.5	15	17	15.93	10
	M 12	170R1245	22	17.0	35	34	13.0	23.5	16	18	16.08	10
	M 14	170R1445	22	17.0	35	34	15.0	23.5	19	20	16.38	10
	M 16	170R1645	22	17.0	35	34	17.0	23.5	19	22	16.90	10
	M 20	170R2045	22	17.0	35	40	21.0	23.5	21	24	16.49	10
185	M 10	171R1045	25	19.0	40	37	10.5	25.5	15	22	20.16	10
	M 12	171R1245	25	19.0	40	37	13.0	25.5	16	22	19.60	10
	M 14	171R1445	25	19.0	40	37	15.0	25.5	19	22	20.05	10
	M 16	171R1645	25	19.0	40	37	17.0	25.5	19	22	19.68	10
	M 20	171R2045	25	19.0	40	40	21.0	25.5	21	24	19.95	10
240	M 12	172R1245	28	21.5	40	42	13.0	29.0	16	22	26.46	10
	M 14	172R1445	28	21.5	40	42	15.0	29.0	19	22	26.99	10
	M 16	172R1645	28	21.5	40	42	17.0	29.0	19	22	26.92	10
	M 20	172R2045	28	21.5	40	45	21.0	29.0	21	24	26.88	10

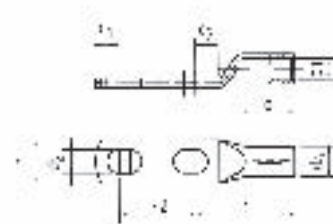
*Part number for copper finish version with appendix "bk"

>> Tool: see chart page 2.15



Compression cable lugs

- for copper conductors according to DIN 48201
- tube dimensions according to DIN 46235
- material: E-copper
- surface: tin plated, optional copper finish
- type: with two long holes in the palm



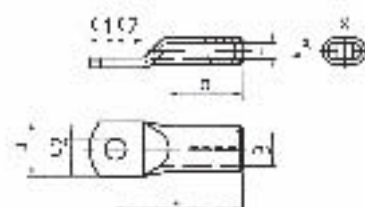
Cross section mm²	Bolt size Ø	Part No.	Die code	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.	
				d1	a	b	d2	d4	c1	c2	l			l2
70	2 x M 12	147D212	16	11.5	28	24	13	16.5	13	13	55	50 – 62	10.82	5
95	2 x M 12	148D212	18	13.5	35	28	13	19.0	13	13	65	50 – 62	15.24	5
120	2 x M 12	149D212	20	15.5	35	32	13	21.0	16	17	70	50 – 62	18.62	5
150	2 x M 12	150D212	22	17.0	35	34	13	23.5	16	17	78	50 – 62	26.10	5
185	2 x M 12	151D212	25	19.0	40	37	13	25.5	16	17	82	50 – 62	30.48	5
240	2 x M 12	152D212	28	21.5	40	42	13	29.0	16	17	92	50 – 62	41.52	5

>> Tool: see chart page 2.15



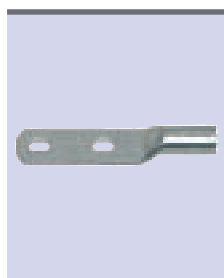
Double compression cable lugs

- for copper conductors according to DIN 48201
- material: E-copper
- surface: tin plated, optional copper finish
- type: with one hole in the palm
- application: earth circular conductors



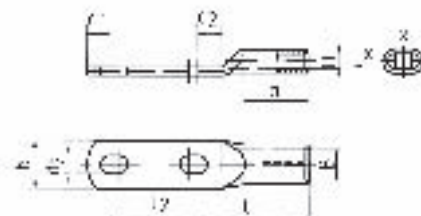
Cross section mm²	Bolt size Ø	Part No.	Die code	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.
				H	a	b	d2	B	c1	c2	l		
2 x 50	M 12	136DP12	22 DP	10.0	35	34	13	20	16	17	78	16.30	5
2 x 70	M 12	137DP12	24 DP	11.5	40	37	13	23	16	17	82	18.90	5
2 x 95	M 12	138DP12	29 DP	13.5	40	42	13	27	16	17	92	27.12	5
2 x 120	M 12	139DP12	32 DP	15.5	50	48	13	31	19	22	100	33.50	5

>> Tool: see chart page 2.15



Double compression cable lugs

- for copper conductors according to DIN 48201
- material: E-copper
- surface: tin plated, optional copper finish
- type: with two long holes in the palm
- application: earth circular conductors



Cross section mm²	Bolt size Ø	Part No.	Die code	Dimensions mm									Weight/ 100 pcs. ~ kg	pcs.
				H	a	b	d2	B	c1	c2	l	l2		
2 x 50	2 x M 12	136DP212	22 DP	10.0	35	34	13	20	16	17	78	50 – 62	23.20	5
2 x 70	2 x M 12	137DP212	24 DP	11.5	40	37	13	23	16	17	82	50 – 62	29.64	5
2 x 95	2 x M 12	138DP212	29 DP	13.5	40	42	13	27	16	17	92	50 – 62	38.50	5
2 x 120	2 x M 12	139DP212	32 DP	15.5	50	48	13	31	19	22	100	50 – 62	45.80	5

>> Tool: see chart page 2.15



Compression joints

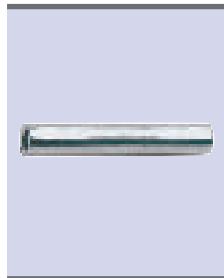
- DIN 46267, part 1, for non-tension connections
- material: E-copper
- surface: tin plated, optional copper finish
- reduction sleeves to connect different cross sections:
catalogue page 2.12



Cross section mm²	Part No.*	Die code	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
			d1	d4	l		
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

*Part number for copper finish version with appendix "bk"

>> Tool: see chart page 2.15



Compression joints

- with barrier, tube dimensions according to DIN 46267, part 1, for non-tension connections
- material: E-copper
- surface: tin plated, optional copper finish
- the barrier provides an absolute oil-stop
- reduction sleeves to connect different cross-sections: catalogue page 2.12



Cross section mm²	Part No.*	Die code	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
			d1	d4	l		
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

*Part number for copper finish version with appendix "bk"

>> Tool: see chart page 2.15



Compression joints

- for non-tension connections of high voltage copper cable 10-30 kV
- material: E-copper
- surface: copper finish, optional tin plated
- reduction sleeves to connect different cross-sections: catalogue page 2.12



Cross section mm²	Part No.*	Die code	Dimensions mm		Number of crimps		Weight/ 100 pcs. ~ kg	pcs.
			d1	l	mech.	hydr.		
25	504R	12	7.5	60	2/2	1/1	4.08	10
35	505R	12	8.2	60	2/2	1/1	3.56	10
50	506R	14	10.0	65	3/3	1/1	4.90	10
70	507R	16	11.5	65	3/3	1/1	6.10	10
95	508R	18	13.5	90	4/4	2/2	10.98	10
120	509R	20	15.5	90	4/4	2/2	12.68	5
150	510R	22	17.0	105	4/4	2/2	18.09	5
185	511R	25	19.0	105	4/4	2/2	20.35	5
240	512R	28	21.5	125		2/2	31.64	5
300	513R	32	24.5	125		2/2	35.40	1
400	514R	38	27.5	160		3/3	75.42	1

*Part number for tinned version with appendix "v"

>> Tool: see chart page 2.15



Compression joints

- with barrier, for non-tension connections of medium voltage copper cable 10-30 kV
- material: E-copper
- surface: copper finish, optional tin plated
- the barrier provides an absolute oil-stop
- reduction sleeves to connect different cross-sections: catalogue page 2.12



Cross section mm ²	Part No.*	Die code	Dimensions mm		Number of crimps		Weight/ 100 pcs. ~ kg	pcs.
			d1	l	mech.	hydr.		
25	504RLD	12	7.5	60	2/2	1/1	4.08	25
35	505RLD	12	8.2	60	2/2	1/1	3.56	10
50	506RLD	14	10.0	65	3/3	1/1	4.90	10
70	507RLD	16	11.5	65	3/3	1/1	6.40	10
95	508RLD	18	13.5	90	4/4	2/2	10.98	10
120	509RLD	20	15.5	90	4/4	2/2	12.68	5
150	510RLD	22	17.0	105	4/4	2/2	18.84	5
185	511RLD	25	19.0	105	4/4	2/2	20.35	5
240	512RLD	28	21.5	125		2/2	31.64	5
300	513RLD	32	24.5	125		2/2	35.40	1
400	514RLD	38	27.5	160		3/3	75.42	1

*Part number for tinned version with appendix "v"

>> Tool: see chart page 2.15



Compression joints

- DIN 48085, part 1
- for full-tension connections
- material: E-copper
- surface: copper finish



Cross section mm ²	Part No.	Die code	Conductor Ø	Dimensions mm			Number of crimps		Weight/ 100 pcs. ~ kg	pcs.
				d1	d4	l	mech.	hydr.		
6	**181R	6	3.00	3.5	6.5	65	4/4		1.4	10
10	182R	8	4.05	4.5	8.5	80	5/5		3.0	10
16	183R	8	5.10	5.5	8.5	95	5/5		2.8	10
25	184R	10	6.30	7.0	10.0	95	5/5		3.4	10
35	185R	12	7.50	8.2	12.5	95	5/5		5.6	10
50	186R	14	9.00	10.0	14.5	110	5/5		8.6	10
70	187R	16	10.50	11.5	16.5	110	5/5		10.8	10
95	188R	20	12.50	13.5	21.0	145	8/8	4/4	26.2	10
120	189R	22	14.00	15.0	23.5	160	8/8	4/4	36.8	10
150	190R	25	15.70	16.5	25.5	180	8/8	4/4	47.5	5
185	**191R	32	17.50	18.5	31.5	260		5/5	118.0	5
240	**192R	34	20.20	21.0	34.5	310		6/6	163.0	5
300	**193R	38	22.50	23.5	38.5	360		7/7	235.0	1

** Not standardized

>> Tool: see chart page 2.15



Reduction sleeves*

- for non tension connectors, catalogue pages 2.9 - 2.11
- material: E-copper
- surface: copper finish



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

*See instructions catalogue page 12.7



Sleeves for compacted conductors*

- for tubular compression cable lugs and connectors "DIN-type"
- material: E-copper
- surface: tin plated
- for round shaped conductor
- pre-rounding dies see chapter 11



Cross section mm ²	Part No.	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
		d1	d4	l		
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

*See instructions catalogue page 12.6



Sleeves for compacted conductors*

- for tubular compression cable lugs and connectors "DIN-type"
- material: E-copper
- surface: tin plated
- for 3 core sector shaped conductor (120° angle)
- pre-rounding dies see chapter 11



Cross section mm ²	Part No.	mm		Weight/ 100 pcs. ~ kg	pcs.
		l			
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

*See instructions catalogue page 12.6



Sleeves for compacted conductors*

- for tubular compression cable lugs and connectors "DIN-type"
- material: E-copper
- surface: tin plated
- for 4 core sector shaped conductor (90° angle)
- pre-rounding dies see chapter 11



Cross section mm ²	Part No.	mm l	Weight/ 100 pcs. ~ kg	pcs.
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	50
185	VHD1854	35.0	1.09	25
240	VHD2404	35.0	1.00	25

*See instructions catalogue page 12.6

Compression cable lugs and compression joints Cu
 • Catalogue pages 2.2 - 2.12


Range: mm²	Tools	M	M+	H	H+	Crimping profile	Catalogue page
6-50	K05D	•				⬡	9.14
6-120	EK354			•		⬡	10.15
6-185	K18	•				⬡	9.21
	HK6018			•		⬡	10.2
	EK18PLUS			•		⬡	10.16
	PK18			•		⬡	10.30
	THK18			•		⬡	10.43
	HK60UNV + UA18			•		⬡	10.11
	EK60UNV + UA18			•		⬡	10.29
	PK60UNV + UA18			•		⬡	10.41
6-240	K22	•				⬡	9.22
	HK6022			•		⬡	10.3
	EK22PLUS			•		⬡	10.17
	PK22			•		⬡	10.31
	THK22			•		⬡	10.44
	HK60UNV + UA22			•		⬡	10.11
	EK60UNV + UA22			•		⬡	10.29
	PK60UNV + UA22			•		⬡	10.41
	HK12025			•		⬡	10.6
	HK12042			•		⬡	10.7
	HK120U			•		⬡	10.8
	EK12025			•		⬡	10.20
	EK12042			•		⬡	10.21
	EK120UPLUS			•		⬡	10.22
	HK122			•		⬡	10.45
	HK122EL			•		⬡	10.50
	PK12038			•		⬡	10.34
	PK120U			•		⬡	10.35
10-120	K06D	•				⬡	9.15
16-95	K08D	•				⬡	9.14
16-625	HK252			•		⬡	10.46
	HK252EL			•		⬡	10.50
	PK252			•		⬡	10.36
25-150	K09D	•				⬡	9.15
120-1000	HK45			•		⬡	10.47
	PK45			•		⬡	10.37

Double compression cable lugs Cu
 • Catalogue page 2.8


Range: mm²	Tools	M	M+	H	H+	Crimping profile	Catalogue page
2x50-2x70	K22	•				⬡	9.22
	HK6022			•		⬡	10.3
	EK22PLUS			•		⬡	10.17
	PK22			•		⬡	10.31
	THK22			•		⬡	10.44
	HK60UNV + UA22			•		⬡	10.11
	EK60UNV + UA22			•		⬡	10.29
	PK60UNV + UA22			•		⬡	10.41
2x50-2x95	HK12025			•		⬡	10.6
	HK12042			•		⬡	10.7
	HK120U			•		⬡	10.8
	EK12025			•		⬡	10.20
	EK12042			•		⬡	10.21
	EK120UPLUS			•		⬡	10.22
	HK122			•		⬡	10.45
	HK122EL			•		⬡	10.50
	PK12038			•		⬡	10.34
	PK120U			•		⬡	10.35
2x50-2x120	HK252			•		⬡	10.46
	HK252EL			•		⬡	10.50
	PK252			•		⬡	10.36

M mechanical tools,
without interchangeable dies

M+ mechanical tools,
with interchangeable dies

H hydraulic tools, hand-operated

H+ battery powered and
mains operated tools

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

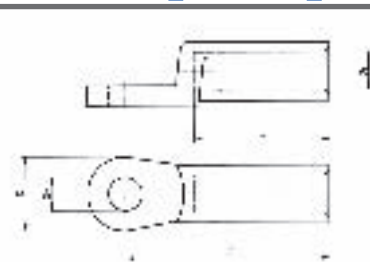


Compression cable lugs Al	3.2
Compression cable lugs AL-St / Bi-metallic washers (cupal)	3.4
Bi-metallic compression cable lugs	3.5
Compression joints Al DIN 46267, part 2 and similar versions	3.7
Reduction compression joints AL	3.9
Compression joints Al, full tension	3.11
Compression joints for Al-/St conductors DIN 48204	3.12
Compression joints Al with copper connection bolt	3.13
Bi-metallic compression joints	3.14
Tool application chart	3.16



Compression cable lugs AI

- DIN 46329; with barrier
- material: Al 99.5
- surface: bright
- optional tin plated (20 µm),
to connect copper busbars (interior)



AI	Cross section mm ²		Bolt size Ø	Part No.*	Die code	Dimensions mm					Number of crimps		Weight/ 100 pcs. ~ kg	pcs.
	rm/sm	se				d1	d2	b	l	a	mech.	hydr.		
	16	25	M 8	**263R8	12	5.8	8.4	20	50	30	4	2	1.20	4
		25	M 10	**263R10	12	5.8	10.5	20	50	30	4	2	1.20	4
	25	35	M 8	264R8	12	6.8	8.4	25	50	30	4	2	1.30	4
		35	M 10	264R10	12	6.8	10.5	25	50	30	4	2	1.24	4
		35	M 12	264R12	12	6.8	13.0	25	50	30	4	2	1.22	4
	35	50	M 8	265R8	14	8.0	8.4	25	62	42	5	2	2.50	4
		50	M 10	265R10	14	8.0	10.5	25	62	42	5	2	1.98	4
		50	M 12	265R12	14	8.0	13.0	25	62	42	5	2	2.50	4
	50	70	M 8	266R8	16	9.8	8.4	25	62	42	5	2	2.75	4
		70	M 10	266R10	16	9.8	10.5	25	62	42	5	2	2.70	4
		70	M 12	266R12	16	9.8	13.0	25	62	42	5	2	2.65	4
	70	95	M 8	267R8	18	11.2	8.4	25	72	52	6	3	3.45	4
		95	M 10	267R10	18	11.2	10.5	25	72	52	6	3	3.80	4
		95	M 12	267R12	18	11.2	13.0	25	72	52	6	3	3.35	4
	95	120	M 10	268R10	22	13.2	10.5	25	75	56	6	3	6.90	4
		120	M 12	268R12	22	13.2	13.0	25	75	56	6	3	4.92	4
		120	M 16	**268R16	22	13.2	17.0	25	75	56	6	3	6.00	4
	120	150	M 10	269R10	22	14.7	10.5	30	80	56	6	3	5.95	4
		150	M 12	269R12	22	14.7	13.0	30	80	56	6	3	5.84	4
		150	M 16	269R16	22	14.7	17.0	30	80	56	6	3	6.60	4
	150	185	M 10	270R10	25	16.3	10.5	30	90	60	6	3	8.50	4
		185	M 12	270R12	25	16.3	13.0	30	90	60	6	3	7.73	4
		185	M 16	270R16	25	16.3	17.0	30	90	60	6	3	7.60	4
		185	M 20	**270R20	25	16.3	21.0	30	90	60	6	3	8.20	4
	185	240	M 10	271R10	28	18.3	10.5	30	91	60	6	3	11.00	4
		240	M 12	271R12	28	18.3	13.0	30	91	60	6	3	9.88	4
		240	M 16	271R16	28	18.3	17.0	30	91	60	6	3	10.10	4
		240	M 20	**271R20	28	18.3	21.0	30	91	60	6	3	10.00	4
	240	300	M 10	**272R10	32	21.0	10.5	38	103	70	8	3	15.50	4
		300	M 12	272R12	32	21.0	13.0	38	103	70	8	3	13.80	4
		300	M 16	272R16	32	21.0	17.0	38	103	70	8	3	13.48	4
		300	M 20	272R20	32	21.0	21.0	38	103	70	8	3	15.00	4
	300	--	M 12	273R12	34	23.3	13.0	38	103	70	8	3	17.60	1
		--	M 16	273R16	34	23.3	17.0	38	103	70	8	3	17.28	1
		--	M 20	273R20	34	23.3	21.0	38	103	70	8	3	17.40	1
	400	--	M 12	274R12	38	26.0	13.0	38	116	73	--	4	38.00	1
		--	M 16	274R16	38	26.0	17.0	38	116	73	--	4	37.40	1
		--	M 20	274R20	38	26.0	21.0	38	116	73	--	4	40.20	1
	500	--	M 12	275R12	44	29.0	13.0	44	122	79	--	4	43.70	1
		--	M 16	275R16	44	29.0	17.0	44	122	79	--	4	43.30	1
		--	M 20	275R20	44	29.0	21.0	44	122	79	--	4	43.00	1

*Part number for tinned version with appendix "v"

** Not standardized

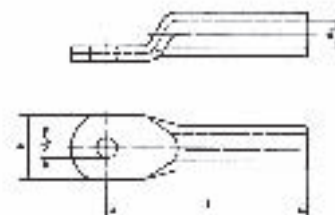
rm = round stranded; sm = sector stranded; se = sector solid

>> Tool: see chart page 3.16



Compression cable lugs Al

- for aluminium conductors DIN 48201 and pre-rounded sector shaped conductors
- material: Al 99.5
- surface: bright



Cross section mm ²		Bolt size	Part No.	Die code	Dimensions mm				Number of crimps		Weight/100 pcs. ~ kg	pcs.
rm/sm	se	Ø			d1	d2	b	l	mech.	hydr.		
10	--	M 6	202R6	10	5.0	6.5	16	52	4	2	0.86	25
	--	M 8	202R8	10	5.0	8.5	18	52	4	2	0.88	25
16	25	M 8	203R8	12	5.8	8.5	18	52	4	2	1.37	10
	25	M 10	203R10	12	5.8	10.5	18	52	4	2	1.39	10
25	35	M 8	204R8	12	6.8	8.5	18	60	4	2	1.41	10
	35	M 10	204R10	12	6.8	10.5	18	60	4	2	1.46	10
35	50	M 10	205R10	14	8.0	10.5	21	67	5	2	2.08	10
	50	M 12	205R12	14	8.0	13.0	21	67	5	2	2.05	10
50	70	M 10	206R10	16	9.8	10.5	25	72	5	2	2.68	10
	70	M 12	206R12	16	9.8	13.0	25	72	5	2	2.73	10
70	95	M 10	207R10	18	11.2	10.5	28	86	6	3	4.42	10
	95	M 12	207R12	18	11.2	13.0	28	86	6	3	4.27	10
95	120	M 10	208R10	22	13.2	10.5	32	90	6	3	7.40	4
	120	M 12	208R12	22	13.2	13.0	32	90	6	3	7.50	4
	120	M 16	208R16	22	13.2	17.0	34	90	6	3	7.30	4
120	150	M 12	209R12	22	14.7	13.0	32	91	6	3	6.68	4
	150	M 16	209R16	22	14.7	17.0	34	91	6	3	6.41	4
150	185	M 12	210R12	25	16.3	13.0	35	103	6	3	9.64	4
	185	M 16	210R16	25	16.3	17.0	35	103	6	3	9.24	4
	185	M 20	210R20	25	16.3	21.0	41	103	6	3	9.40	4
185	240	M 12	211R12	28	18.3	13.0	40	106	6	3	12.61	1
	240	M 16	211R16	28	18.3	17.0	40	106	6	3	11.92	1
	240	M 20	211R20	28	18.3	21.0	40	106	6	3	13.10	1
240	300	M 12	212R12	32	21.0	13.0	45	116	8	3	18.30	1
	300	M 16	212R16	32	21.0	17.0	45	116	8	3	17.60	1
	300	M 20	212R20	32	21.0	21.0	45	116	8	3	17.30	1
300	--	M 16	213R16	34	23.3	17.0	49	124	8	3	17.50	1
	--	M 20	213R20	34	23.3	21.0	49	124	8	3	17.30	1
400	--	M 16	214R16	38	26.0	17.0	58	165	--	4	32.20	1
	--	M 20	214R20	38	26.0	21.0	58	165	--	4	31.90	1

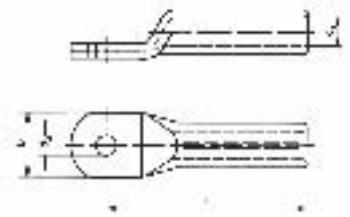
rm = round stranded; sm = sector stranded; se = sector solid

>> Tool: see chart page 3.16



Compression cable lugs

- for Al-St conductors according to DIN 48204
- material: E-Al 99.5
- surface: bright



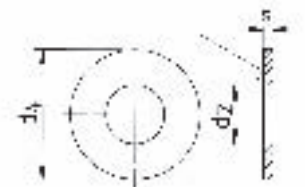
	Cross section mm²	Bolt size Ø	Part No.	Die code	Cond. Ø mm	Dimensions mm				Weight/ 100 pcs. ~ kg	pcs.
						d1	d2	b	l		
	25 - 4	M 8	254R8	12	6.8	7.6	8.5	19	60	1.5	5
		M 10	254R10	12	6.8	7.6	10.5	19	60	1.5	5
		M 12	254R12	12	6.8	7.6	13.0	23	60	1.6	5
	35 - 6	M 10	255R10	14	8.1	9.0	10.5	21	67	2.0	5
		M 12	255R12	14	8.1	9.0	13.0	21	67	2.2	5
	50 - 8	M 10	256R10	16	9.6	10.8	10.5	22	72	2.5	5
		M 12	256R12	16	9.6	10.8	13.0	24	72	2.6	5
		M 16	256R16	16	9.6	10.8	17.0	26	72	2.7	5
	70 - 12	M 10	257R10	18	11.7	12.5	10.5	26	86	4.1	5
		M 12	257R12	18	11.7	12.5	13.0	26	86	4.3	5
		M 16	257R16	18	11.7	12.5	17.0	32	86	4.4	5
	95 - 15	M 12	258R12	22	13.6	14.8	13.0	31	91	7.8	5
		M 16	258R16	22	13.6	14.8	17.0	33	91	6.6	5
	120 - 20	M 12	259R12	25	15.5	16.5	13.0	37	103	9.8	5
		M 16	259R16	25	15.5	16.5	17.0	37	103	10.0	5
		M 20	259R20	25	15.5	16.5	21.0	41	103	10.1	5

>> Tool: see chart page 3.16



Bi-metallic washers (cupal)

- material: Al 99.5, one side copper plated

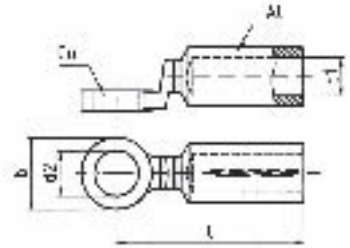


Bolt size Ø	Part No.	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
		d4	d2	s		
M 8	CS818	18	8.5	1	0.09	10
M 10	CS1022	22	11.0	2	0.26	10
M 12	CS1228	28	13.0	2	0.44	10
M 14	CS1428	28	15.0	2	0.40	10
M 16	CS1635	35	17.0	2	0.66	10



Bi-metallic compression cable lugs

- for aluminium conductors DIN 48201 and pre-rounded sector shaped conductors
- with barrier, with solid copper palm
- material: Al 99.5; E-copper
- surface: bright



Cross section mm ²		Bolt size Ø	Part No.	Die code	Dimensions mm				Number of crimps		Weight 100 pcs. ~ kg		pcs.
rm/sm	se				d1	d2	b	l	mech.	hydr.	Cu	Total	
16	25	M 8	363R8	12	6.0	8.5	25	67.5	4	2	4.4	5.9	10
	25	M 10	363R10	12	6.0	10.5	25	67.5	4	2	4.2	5.7	10
25	35	M 8	364R8	12	6.8	8.5	25	67.5	4	2	4.4	5.8	10
	35	M 10	364R10	12	6.8	10.5	25	67.5	4	2	4.2	5.6	10
	35	M 12	364R12	12	6.8	13.0	25	67.5	4	2	3.9	5.3	10
35	50	M 8	365R8	14	8.0	8.5	25	76.5	5	2	4.4	6.3	10
	50	M 10	365R10	14	8.0	10.5	25	76.5	5	2	4.2	6.1	10
	50	M 12	365R12	14	8.0	13.0	25	76.5	5	2	3.8	5.8	10
50	70	M 8	366R8	16	9.8	8.5	25	76.5	5	2	4.4	6.4	10
	70	M 10	366R10	16	9.8	10.5	25	76.5	5	2	4.2	6.2	10
	70	M 12	366R12	16	9.8	13.0	25	76.5	5	2	3.9	5.9	10
70	95	M 10	367R10	18	11.2	10.5	25	84.5	6	3	4.2	7.4	10
	95	M 12	367R12	18	11.2	13.0	25	84.5	6	3	3.9	7.1	10
95	120	M 10	368R10	22	13.2	10.5	30	90.5	6	3	7.4	11.4	10
	120	M 12	368R12	22	13.2	13.0	30	90.5	6	3	6.8	10.8	10
	120	M 16	368R16	22	13.2	17.0	30	90.5	6	3	6.4	10.4	10
120	150	M 12	369R12	22	14.7	13.0	30	92.0	6	3	6.8	11.4	5
	150	M 16	369R16	22	14.7	17.0	30	92.0	6	3	6.4	10.8	5
150	185	M 12	370R12	25	16.3	13.0	30	104.0	6	3	6.8	13.1	5
	185	M 16	370R16	25	16.3	17.0	30	104.0	6	3	6.4	12.7	5
	185	M 20	370R20	25	16.3	21.0	35	107.5	6	3	10.1	16.4	5
185	240	M 10	371R10	28	18.3	10.5	30	105.0	6	3	10.3	18.6	5
	240	M 12	371R12	28	18.3	13.0	30	105.0	6	3	10.1	18.4	5
	240	M 16	371R16	28	18.3	17.0	30	105.0	6	3	9.3	17.6	5
	240	M 20	371R20	28	18.3	21.0	35	107.5	6	3	10.1	18.4	5
240	300	M 10	372R10	32	21.0	10.5	35	118.5	8	3	12.1	22.5	5
	300	M 12	372R12	32	21.0	13.0	35	118.5	8	3	11.8	22.2	5
	300	M 16	372R16	32	21.0	17.0	35	118.5	8	3	11.0	21.4	5
	300	M 20	372R20	32	21.0	21.0	35	118.5	8	3	10.1	20.5	5
300	--	M 12	373R12	34	23.3	13.0	40	123.5	8	3	17.7	33.7	1
	--	M 16	373R16	34	23.3	17.0	40	123.5	8	3	16.9	32.9	1
	--	M 20	373R20	34	23.3	21.0	40	123.5	8	3	16.0	32.0	1

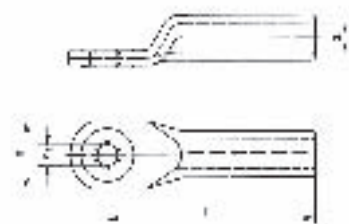
rm = round stranded; sm = sector stranded; se = sector solid

>> Tool: see chart page 3.16



Bi-metallic compression cable lugs

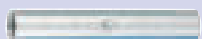
- for aluminium conductors DIN 48201 and pre-rounded sector shaped conductors
- material: Al 99.5; E-copper
- surface: bright



Cross section mm ²		Bolt size Ø	Part No.	Die code	Dimensions mm				Number of crimps		Weight 100 pcs. ~ kg		pcs.
rm/sm	se				d1	d2	b	l	mech.	hydr.	Cu	Total	
10	--	M 6	302R6	10	5.0	6.5	18	52	4	2	0.260	1.20	10
	--	M 8	302R8	10	5.0	8.5	22	52	4	2	0.580	1.50	10
16	25	M 8	303R8	12	5.8	8.5	22	52	4	2	0.600	1.95	10
	25	M 10	303R10	12	5.8	10.5	25	52	4	2	0.600	2.00	10
25	35	M 8	304R8	12	6.8	8.5	22	60	4	2	0.625	2.00	10
	35	M 10	304R10	12	6.8	10.5	25	60	4	2	0.900	2.10	10
35	50	M 10	305R10	14	8.0	10.5	26	67	5	2	0.800	3.00	10
	50	M 12	305R12	14	8.0	13.0	30	67	5	2	1.120	3.10	10
50	70	M 10	306R10	16	9.8	10.5	27	72	5	2	0.900	3.60	10
	70	M 12	306R12	16	9.8	13.0	30	72	5	2	1.120	3.80	10
70	95	M 10	307R10	18	11.2	10.5	29	86	6	3	1.075	5.60	10
	95	M 12	307R12	18	11.2	13.0	32	86	6	3	1.300	5.70	10
95	120	M 10	308R10	22	13.2	10.5	32	90	6	3	1.435	10.00	5
	120	M 12	308R12	22	13.2	13.0	35	90	6	3	1.735	9.50	5
	120	M 16	308R16	22	13.2	17.0	38	90	6	3	2.655	10.00	5
120	150	M 12	309R12	22	14.7	13.0	35	91	6	3	1.810	8.70	5
	150	M 16	309R16	22	14.7	17.0	38	91	6	3	2.230	8.80	5
150	185	M 12	310R12	25	16.3	13.0	35	103	6	3	2.025	12.20	5
	185	M 16	310R16	25	16.3	17.0	41	103	6	3	2.655	12.30	5
	185	M 20	310R20	25	16.3	21.0	44	103	6	3	3.620	12.80	5
185	240	M 12	311R12	28	18.3	13.0	40	106	6	3	2.320	15.00	5
	240	M 16	311R16	28	18.3	17.0	42	106	6	3	4.975	15.50	5
	240	M 20	311R20	28	18.3	21.0	46	106	6	3	4.610	15.50	5
240	300	M 12	312R12	32	21.0	13.0	45	116	8	3	2.750	20.00	5
	300	M 16	312R16	32	21.0	17.0	45	116	8	3	3.400	21.00	5
	300	M 20	312R20	32	21.0	21.0	49	116	8	3	4.600	22.00	5
300	--	M 16	313R16	34	23.3	17.0	51	124	8	3	3.980	21.60	1
	--	M 20	313R20	34	23.3	21.0	51	124	8	3	5.510	22.20	1
400	--	M 16	314R16	38	26.0	17.0	58	165	--	4	4.200	35.00	1
	--	M 20	314R20	38	26.0	21.0	58	165	--	4	5.950	35.00	1

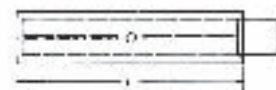
rm = round stranded; sm = sector stranded; se = sector solid

>> Tool: see chart page 3.16



Compression joints Al

- DIN 46267, part 2; for non tension connections of aluminium conductors DIN 48201 and pre-rounded sector shaped conductors
- material: Al 99.5
- surface: bright

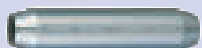


Cross section mm ²		Part No.	Die code	Dimensions mm		Number of crimps		Weight/ 100 pcs. ~ kg	pcs.
rm/sm	se			d1	l	mech.	hydr.		
10	--	*222R	10	5.0	55	3/3	--	0.95	10
16	25	*223R	12	5.8	55	3/3	--	1.40	10
25	35	224R	12	6.8	70	4/4	2/2	1.60	10
35	50	225R	14	8.0	85	5/5	2/2	2.60	10
50	70	226R	16	9.8	85	5/5	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
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

rm = round stranded; sm = sector stranded; se = sector solid

>> Tool: see chart page 3.16



Compression joints Al

- for non tension connections of high voltage aluminium cable 10-30 kV
- material: Al 99.5
- surface: bright



Cross section mm ²		Part No.	Die code	Dimensions mm		Number of crimps		Weight/ 100 pcs. ~ kg	pcs.
rm/sm	se			d1	l	mech.	hydr.		
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

rm = round stranded; sm = sector stranded; se = sector solid

>> Tool: see chart page 3.16



Compression joints

- with barrier; for non tension connections of high voltage aluminium cable 10-30 kV
- material: Al 99.5
- surface: bright
- leakproof against oil



Cross section mm ²		Part No.	Die code	Dimensions mm		Number of crimps		Weight/ 100 pcs. ~ kg	pcs.
rm/sm	se			d1	l	mech.	hydr.		
35	50	415R	14	8.0	95	4/4	2/2	2.2	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

rm = round stranded; sm = sector stranded; se = sector solid

>> Tool: see chart page 3.16



Reduction compression joints Al

- with barrier; for non tension connections of high voltage aluminium cable 10-30 kV
- material: Al 99.5
- surface: bright
- leakproof against oil



3



Cross section* mm ²		Part No.	Die code	Dimensions mm			Number of crimps		Weight/ 100 pcs. ~ kg	pcs.
from	to			d1	d2	l	mech.	hydr.		
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
70	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
70	50	427R50	18	11.2	9.8	100	4/4	2/2	4.420	5
95	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
95	70	428R70	22	13.2	11.2	105	4/4	2/2	7.350	5
120	25	429R25	22	14.7	6.8	110	4/4	2/2	8.000	5
120	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
120	70	429R70	22	14.7	11.2	110	4/4	2/2	7.100	5
120	95	429R95	22	14.7	13.2	110	4/4	2/2	6.550	5
150	25	430R25	25	16.3	6.8	110	4/4	2/2	10.700	5
150	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
150	95	430R95	25	16.3	13.2	110	4/4	2/2	9.500	5
150	120	430R120	25	16.3	14.7	110	4/4	2/2	8.650	5
185	25	431R25	28	18.3	6.8	130	--	2/2	16.120	5
185	35	431R35	28	18.3	8.0	130	--	2/2	15.875	5
185	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
185	95	431R95	28	18.3	13.2	130	--	2/2	14.400	5
185	120	431R120	28	18.3	14.7	130	5/5	2/2	13.700	5
185	150	431R150	28	18.3	16.3	130	5/5	2/2	13.050	5
240	25	432R25	32	21.0	6.8	130	--	2/2	21.200	5
240	35	432R35	32	21.0	8.0	130	--	2/2	20.950	5
240	50	432R50	32	21.0	9.8	130	--	2/2	20.470	5
240	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
240	120	432R120	32	21.0	14.7	130	--	2/2	18.800	5
240	150	432R150	32	21.0	16.3	130	5/5	2/2	18.125	5
240	185	432R185	32	21.0	18.3	130	5/5	2/2	17.275	5
300	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
300	240	433R240	34	23.3	21.0	135	5/5	2/2	18.730	1
400	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
400	300	434R300	38	26.0	23.3	165	--	3/3	31.200	1

*The nominal cross-sections refer to rm/sm conductors

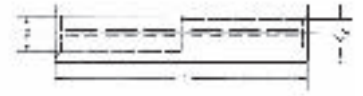
rm = round stranded; sm = sector stranded; se = sector solid

>> Tool: see chart page 3.16



Reduction compression joints AL

- for non tension connections of aluminium conductors DIN 48201 and pre-rounded sector shaped conductors
- material: Al 99.5
- surface: bright



Cross section* mm ²		Part No.	Die code	Dimensions mm			Number of crimps		Weight/ 100 pcs. ~ kg	pcs.
from	to			d1	d2	l	mech.	hydr.		
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

*The nominal cross-sections refer to rm/sm conductors

rm = round stranded; sm = sector stranded; se = sector solid

>> Tool: see chart page 3.16

Compression joints Al DIN 48085, part 2

- for full tension connections of aluminium conductors DIN 48201, sheet 5
- material: Al 99.5 up to 95 mm²; AlMgSi 1w from 120 mm²
- surface: bright



3



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

* Not standardized

>> Tool: see chart page 3.16

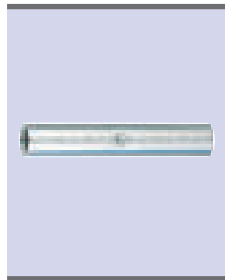
Compression joints

- for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6
- material: AlMgSi F20
- surface: bright



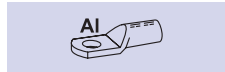
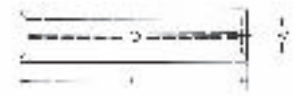
Cross section mm ²	Part No.	Die code	Cond. Ø mm	Dimensions mm		Number of crimps		Weight/ 100 pcs. ~ kg	pcs.
				d1	l	mech.	hydr.		
25	294AD	12	6.3	6.8	140	8/8	--	3.4	5
35	295AD	14	7.5	8.0	140	8/8	--	4.7	5
50	296AD	16	9.0	10.0	155	8/8	--	5.9	5
70	297AD	18	10.5	11.5	165	8/8	--	9.0	5
95	298AD	20	12.5	13.5	165	10/10	5/5	10.2	5

>> Tool: see chart page 3.16



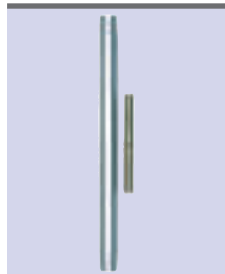
Compression joints

- for non tension connections of Al/St conductors according to DIN 48204
- material: Al 99.5
- surface: bright



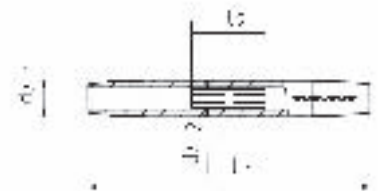
Cross section mm²	Part No.	Die code	Cond. Ø mm	Dimensions mm		Number of crimps		Weight/ 100 pcs. ~ kg	pcs.
				d1	l	mech.	hydr.		
25 - 4	444R	12	6.8	7.6	70	4/4	2/2	1.65	5
35 - 6	445R	14	8.1	9.0	85	5/5	2/2	2.75	5
50 - 8	446R	16	9.6	10.8	85	5/5	2/2	3.70	5
70 - 12	447R	18	11.7	12.5	105	6/6	3/3	5.20	5
95 - 15	448R	22	13.6	14.8	105	6/6	3/3	8.60	5
120 - 20	449R	25	15.5	16.5	125	6/6	3/3	12.20	5

>> Tool: see chart page 3.17



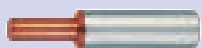
Compression joints DIN 48085, part 3

- for full tension connections of Al/St conductors according to DIN 48204
- material Al-sleeve: Al 99.5
- surface Al-sleeve: bright
- material St-sleeve: St 52
- surface St-sleeve: fire zinc coated



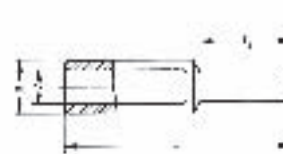
Cross section mm²	Part No.	Cond. Ø mm	Die code	Aluminium		Number of crimps mech.	hydr.	Die code	Steel		Number of crimps mech.	hydr.	Weight/ 100 pcs. ~ kg	pcs.
				d4.1	l1				d4.2	l2				
25 - 4	454R	6.8	12	12.0	200	7/7	--	6	6.3	65	4/4	--	5	5
35 - 6	455R	8.1	14	14.0	235	8/8	--	6	6.3	75	5/5	--	7	5
50 - 8	456R	9.6	16	16.0	270	9/9	--	7	7.5	95	6/6	--	11	5
70 - 12	457R	11.7	18	18.5	270	9/9	--	9	9.5	95	6/6	--	15	5
95 - 15	458R	13.6	22	22.5	310	11/11	--	9	9.6	95	6/6	--	23	5
120 - 20	459R	15.5	25	25.0	380	13/13	6/6	13	13.0	110	7/7	4/4	36	5

>> Tool: see chart page 3.17



Compression joints Al with copper connecting bolt

- material: Al 99.5; E-Copper
- surface: bright



Cross section mm ²		Part No.	Die code	Bolt Ø mm	Cond. Ø mm	Dimensions mm				Weight 100 pcs. ~ kg		pcs.
rm/sm	se					dØ	d1Ø	l1	l	Cu	Total	
25	35	344R	12	6	6.3	12.0	6.8	20	58	0.462	1.6	10
35	50	345R	14	7	7.5	14.0	8.0	22	71	0.695	2.5	10
50	70	346R	16	8	9.0	16.0	10.0	25	74	1.037	3.3	10
70	95	347R	18	10	10.5	18.5	11.5	30	87	1.958	5.4	10
95	120	348R	22	12	12.5	23.0	13.2	33	91	3.112	8.7	10
120	150	349R	22	12	14.0	23.0	15.0	38	97	3.598	9.0	10
150	185	350R	25	12	15.8	25.5	16.5	38	108	3.598	10.9	10
185	240	351R	28	14	17.5	28.5	18.5	44	116	3.692	15.7	5
240	300	352R	32	16	20.3	32.5	21.5	44	128	7.435	21.8	5
300	--	353R	34	18	22.5	34.5	23.5	46	131	9.410	26.7	1

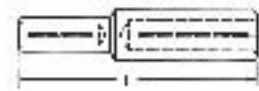
rm = round stranded; sm = sector stranded; se = sector solid

>> Tool: see chart page 3.16



Bi-metallic compression joints

- for non tension connections
- material: Al 99.5; E-Copper
- surface: bright



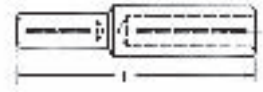
Cross section mm ²			Part No.	Die code		Dimensions mm			Weight		pcs.
Al	Cu			Al	Cu	Al	Cu	I	100 pcs. ~ kg	Total	
rm/sm	se	rm/sm									
10	16	10	322R10	10	6	5.0	4.5	55.0	0.212	1.100	4
10	16	16	322R16	10	8	5.0	5.4	61.0	0.714	1.550	4
16	25	10	323R10	12	6	6.0	4.5	55.0	0.212	1.500	4
16	25	16	323R16	12	8	6.0	5.4	61.0	0.714	1.750	4
25	35	10	324R10	12	6	6.8	4.5	55.0	0.212	1.400	4
25	35	16	324R16	12	8	6.8	5.5	61.0	0.714	1.650	4
25	35	25	324R25	12	10	6.8	7.0	61.0	0.892	1.900	4
25	35	35	324R35	12	12	6.8	8.2	61.0	1.624	2.000	4
25	35	50	324R50	12	14	6.8	10.0	72.0	2.362	3.500	4
25/4	35 re	16	324R416	12	8	7.6	5.5	61.0	0.714	1.600	4
25/4	35 re	25	324R425	12	10	7.6	7.0	61.0	0.892	1.850	4
35	50	16	325R16	14	8	8.0	5.5	71.0	0.714	2.500	4
35	50	25	325R25	14	10	8.0	7.0	71.0	0.892	2.650	4
35	50	35	325R35	14	12	8.0	8.2	71.0	1.519	3.300	4
35	50	50	325R50	14	14	8.0	10.0	77.0	2.362	3.530	4
35/6	50 re	16	325R616	14	8	9.0	5.5	71.0	0.714	2.450	4
35/6	50 re	25	325R625	14	10	9.0	7.0	71.0	0.892	2.600	4
35/6	50 re	35	325R635	14	12	9.0	8.2	71.0	1.624	3.250	4
50	70	16	326R16	16	8	9.8	5.5	71.5	0.714	2.850	4
50	70	25	326R25	16	10	9.8	7.0	71.5	0.892	3.200	4
50	70	35	326R35	16	12	9.8	8.2	71.5	1.624	3.800	4
50	70	50	326R50	16	14	9.8	10.0	77.5	2.362	4.550	4
70	95	16	327R16	18	8	11.2	5.5	79.0	0.714	4.100	4
70	95	25	327R25	18	10	11.2	7.0	79.0	0.892	3.950	4
70	95	35	327R35	18	12	11.2	8.2	79.0	1.624	4.900	4
70	95	50	327R50	18	14	11.2	10.0	85.0	2.362	5.700	4
70	95	70	327R70	18	16	11.2	11.5	86.0	2.921	7.250	4
70	95	95	327R95	18	18	11.2	13.5	95.0	4.957	9.360	4
70	95	120	327R120	18	20	11.2	15.5	99.0	5.640	10.540	4
95	120	16	328R16	22	8	13.2	5.5	79.0	0.714	6.150	4
95	120	25	328R25	22	10	13.2	7.0	79.0	0.892	6.300	4
95	120	35	328R35	22	12	13.2	8.2	79.0	1.519	6.800	4
95	120	50	328R50	22	14	13.2	10.0	85.0	2.362	8.050	4
95	120	70	328R70	22	16	13.2	11.5	87.0	3.105	8.200	4
95	120	95	328R95	22	18	13.2	13.5	95.0	4.957	10.350	4
95	120	120	328R120	22	20	13.2	15.5	95.0	5.640	11.550	4
120	150	35	329R35	22	12	14.7	8.2	81.0	1.519	7.600	4
120	150	50	329R50	22	14	14.7	10.0	87.0	2.362	7.900	4
120	150	70	329R70	22	16	14.7	11.5	89.0	3.105	8.500	4
120	150	95	329R95	22	18	14.7	13.5	97.0	4.857	11.000	4
120	150	120	329R120	22	20	14.7	15.5	97.0	5.640	10.280	4

rm = round stranded; sm = sector stranded; se = sector solid



Bi-metallic compression joints

- for non tension connections
- material: Al 99.5; E-Copper
- surface: bright



Cross section mm ²			Part No.	Die code		Dimensions mm sleeve inside-Ø			Weight 100 pcs. ~ kg		pcs.
rm/sm	Al se	Cu rm/sm		Al	Cu	Al	Cu	l	Cu	Total	
150	185	16	330R16	25	8	16.3	5.4	91.5	0.714	7.800	4
150	185	25	330R25	25	10	16.3	6.8	91.5	0.892	8.000	4
150	185	35	330R35	25	12	16.3	8.2	91.5	1.624	8.400	4
150	185	50	330R50	25	14	16.3	10.0	98.5	2.362	10.200	4
150	185	70	330R70	25	16	16.3	11.5	99.5	3.105	10.350	4
150	185	95	330R95	25	18	16.3	13.5	107.5	4.957	12.650	4
150	185	120	330R120	25	20	16.3	15.5	107.5	5.640	13.900	4
150	185	150	330R150	25	22	16.3	17.0	124.0	8.231	16.700	4
185	240	50	331R50	28	14	18.3	10.0	99.0	2.362	12.100	1
185	240	70	331R70	28	16	18.3	11.5	100.0	3.105	13.000	1
185	240	95	331R95	28	18	18.3	13.5	108.0	4.957	14.450	1
185	240	120	331R120	28	20	18.3	15.5	108.0	5.640	13.720	1
185	240	150	331R150	28	22	18.3	17.0	113.0	8.231	19.550	1
185	240	185	331R185	28	25	18.3	19.0	116.0	9.621	21.000	1
240	300	50	332R50	32	14	21.0	10.0	110.0	2.362	16.500	1
240	300	70	332R70	32	16	21.0	11.5	111.0	3.105	18.000	1
240	300	95	332R95	32	18	21.0	13.5	119.0	4.957	19.000	1
240	300	120	332R120	32	20	21.0	15.5	119.0	5.640	20.500	1
240	300	150	332R150	32	22	21.0	17.0	124.0	8.231	23.300	1
240	300	185	332R185	32	25	21.0	19.0	127.0	9.621	25.500	1
240	300	240	332R240	32	28	21.0	21.5	128.0	12.705	30.100	1
300	300	120	333R120	34	20	23.5	15.5	119.0	5.640	27.800	1
300	300	150	333R150	34	22	23.5	17.0	124.0	8.234	31.100	1
300	300	185	333R185	34	25	23.5	19.0	127.0	9.621	32.700	1
300	300	240	333R240	34	28	23.5	21.5	128.0	12.705	37.500	1
300	300	300	333R300	34	32	23.5	24.5	134.0	16.099	41.700	1

rm = round stranded; sm = sector stranded; se = sector solid

>> Tool: see chart page 3.16

Compression cable lugs and compression joints made of E-Al/Al-Cu,
 • Catalogue pages 3.2 - 3.10, 3.13 - 3.15
 Compression joints for full tension connections of Al-
 conductors according to DIN 48201 sheet 5, 16-95 mm²
 • Catalogue page 3.11



Range: mm ²	Tools	M	M +	H	H +	Crimping profile	Catalogue page
10-70	EK354				•		10.15
10-185	K18		•				9.21
	HK6018			•			10.2
	EK18PLUS				•		10.16
	PK18			•			10.30
	THK18			•			10.43
	HK60UNV + UA18			•			10.11
	EK60UNV + UA18				•		10.29
	PK60UNV + UA18				•		10.41
10-240	K22		•				9.22
	HK6022			•			10.3
	EK22PLUS				•		10.17
	PK22			•			10.31
	THK22			•			10.44
	HK60UNV + UA22			•			10.11
	EK60UNV + UA22				•		10.29
	PK60UNV + UA22				•		10.41
	HK12025			•			10.6
	HK12042			•			10.7
	HK120U			•			10.8
	EK12025				•		10.20
	EK12042				•		10.21
	EK120UPLUS				•		10.22
	HK122			•			10.45
	HK122EL			•			10.50
	PK12038			•			10.34
	PK120U			•			10.35
10-500	HK252			•			10.46
	HK252EL			•			10.50
	PK252			•			10.36
150-500	HK45			•			10.47
	PK45			•			10.37

Compression joints for full tension connections of Aldrey-conductors
 according to DIN 48201, part 6 and Al-conductors DIN 48201,
 part 5, 120-300 mm²
 • Catalogue page 3.11



Range: mm ²	Tools	M	M +	H	H +	Crimping profile	Catalogue page
25-50	EK354				•		10.15
25-95	K18		•				9.21
	HK6018			•			10.2
	EK18PLUS				•		10.16
	PK18			•			10.30
	THK18			•			10.43
	HK60UNV + UA18			•			10.11
	EK60UNV + UA18				•		10.29
	PK60UNV + UA18				•		10.41
25-185	K22		•				9.22
	HK6022			•			10.3
	EK22PLUS				•		10.17
	PK22			•			10.31
	THK22			•			10.44
	HK60UNV + UA22			•			10.11
	EK60UNV + UA22				•		10.29
	PK60UNV + UA22				•		10.41
	HK12025			•			10.6
	HK12042			•			10.7
	HK120U			•			10.8
	EK12025				•		10.20
	EK12042				•		10.21
	EK120UPLUS				•		10.22
	HK122			•			10.45
	HK122EL			•			10.50
	PK12038			•			10.34
	PK120U			•			10.35
25-300	HK252			•			10.46
	HK252EL			•			10.50
	PK252			•			10.36
150-300	HK45			•			10.47
	PK45			•			10.37

Compression joints for non tension connections of
Al/St conductors acc. to DIN 48204
Compression joints for full tension connections
acc. to DIN 48085, part 3 for Al/St conductors acc. to DIN 48204
• Catalogue page 3.12



Range: mm²	Tools	M	M+	H	H+	Crimping profile	Catalogue page
25/4-120/20	K22		•			⬡	9.22
	HK6022			•		⬡	10.3
	EK22PLUS			•		⬡	10.17
	PK22			•		⬡	10.31
	THK22			•		⬡	10.44
	HK60UNV + UA22			•		⬡	10.11
	EK60UNV + UA22			•		⬡	10.29
	PK60UNV + UA22			•		⬡	10.41
	HK12025			•		⬡	10.6
	HK12042			•		⬡	10.7
	HK120U			•		⬡	10.8
	EK12025			•		⬡	10.20
	EK12042			•		⬡	10.21
	EK120UPLUS			•		⬡	10.22
	HK122			•		⬡	10.45
	HK122EL			•		⬡	10.50
	PK12038			•		⬡	10.34
	PK120U			•		⬡	10.35
	HK252			•		⬡	10.46
	HK252EL			•		⬡	10.50
	PK252			•		⬡	10.36

M mechanical tools,
without interchangeable dies

H hydraulic tools, hand-operated

M+ mechanical tools,
with interchangeable dies

H+ battery powered and
mains operated tools

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

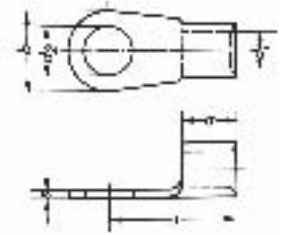


Solderless copper terminals DIN 46234	4.2
Insulated solderless copper terminals from 10-150mm ²	4.4
Solderless copper terminals, fork type	4.5
Insulated solderless copper terminals, fork type, from 10-16mm ²	4.6
Pin terminals Cu	4.7
Solderless connectors DIN 46341, part 1	4.8
Punched copper cable lugs	4.9
Brass screw connectors and brass screw T-connectors	4.10
Parallel groove clamps for tap off connections Cu	4.11
C-clamps Cu	4.13
Screw connectors	4.15
Connection clamps, high resistant aluminium alloy	4.16
Insulated screw connectors, high resistant aluminium alloy	4.19
Compact tap connectors, high resistant aluminium alloy	4.20
Tool application chart	4.22



Terminals

- ring type
- DIN 46234
- material: E-copper
- surface: tin plated

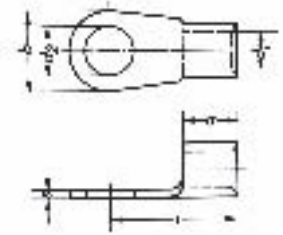


Cross section mm ²	Nominal Size DIN	Part No.	Dimensions mm						Weight/ 100 pcs. ~ kg	pcs.
			d1	d2	b	l	a	s		
0.5 - 1	2.5 - 1	162025	1.6	2.8	6	11	5	0.8	0.060	100
	3 - 1	16203	1.6	3.2	6	11	5	0.8	0.060	100
	3.5 - 1	162035	1.6	3.7	6	11	5	0.8	0.055	100
	4 - 1	16204	1.6	4.3	8	12	5	0.8	0.070	100
	5 - 1	16205	1.6	5.3	10	13	5	0.8	0.090	100
	6 - 1	*16206	1.6	6.5	11	15	5	0.8	0.080	100
	8 - 1	*16208	1.6	8.4	14	17	5	0.8	0.130	100
	10 - 1	*162010	1.6	10.5	18	19	5	0.8	0.130	100
1.5 - 2.5	3 - 2.5	16303	2.3	3.2	6	11	5	0.8	0.065	100
	3.5 - 2.5	163035	2.3	3.7	6	11	5	0.8	0.065	100
	4 - 2.5	16304	2.3	4.3	8	12	5	0.8	0.080	100
	5 - 2.5	16305	2.3	5.3	10	14	5	0.8	0.090	100
	6 - 2.5	16306	2.3	6.5	11	16	5	0.8	0.110	100
	8 - 2.5	16308	2.3	8.4	14	17	5	0.8	0.130	100
	10 - 2.5	*163010	2.3	10.5	15	17	5	0.8	0.160	100
	12 - 2.5	*163012	2.3	13.0	18	19	5	0.8	0.160	100
4 - 6	4 - 6	16504	3.6	4.3	8	14	6	1.0	0.140	100
	5 - 6	16505	3.6	5.3	10	15	6	1.0	0.160	100
	6 - 6	16506	3.6	6.5	11	16	6	1.0	0.170	100
	8 - 6	16508	3.6	8.4	14	19	6	1.0	0.220	100
	10 - 6	165010	3.6	10.5	18	21	6	1.0	0.290	100
	12 - 6	*165012	3.6	13.0	18	21	6	1.0	0.280	100
10	5 - 10	16525	4.5	5.3	10	16	8	1.1	0.230	100
	6 - 10	16526	4.5	6.5	11	17	8	1.1	0.240	100
	8 - 10	16528	4.5	8.4	14	20	8	1.1	0.290	100
	10 - 10	165210	4.5	10.5	18	21	8	1.1	0.340	100
	12 - 10	165212	4.5	13.0	22	23	8	1.1	0.420	100
16	5 - 16	16535	5.8	5.3	11	20	10	1.2	0.390	100
	6 - 16	16536	5.8	6.5	11	20	10	1.2	0.380	100
	8 - 16	16538	5.8	8.4	14	22	10	1.2	0.430	100
	10 - 16	165310	5.8	10.5	18	24	10	1.2	0.500	100
	12 - 16	165312	5.8	13.0	22	26	10	1.2	0.580	100
25	5 - 25	16545	7.5	5.3	12	25	11	1.5	0.750	100
	6 - 25	16546	7.5	6.5	12	25	11	1.5	0.690	100
	8 - 25	16548	7.5	8.4	16	25	11	1.5	0.750	100
	10 - 25	165410	7.5	10.5	18	26	11	1.5	0.760	100
	12 - 25	165412	7.5	13.0	22	31	11	1.5	0.920	100
	16 - 25	165416	7.5	17.0	28	35	11	1.5	1.320	100
35	6 - 35	16556	9.0	6.5	15	26	12	1.6	1.010	100
	8 - 35	16558	9.0	8.4	16	26	12	1.6	0.980	100
	10 - 35	165510	9.0	10.5	18	27	12	1.6	1.000	100
	12 - 35	165512	9.0	13.0	22	31	12	1.6	1.260	100
	16 - 35	165516	9.0	17.0	28	36	12	1.6	1.550	100



Terminals

- ring type
- DIN 46234
- material: E-copper
- surface: tin plated



Cross section mm ²	Nominal Size DIN	Part No.	Dimensions mm						Weight/ 100 pcs. ~ kg	pcs.
			d1	d2	b	l	a	s		
50	6 – 50	16566	11.0	6.5	18	34	16	1.8	1.650	100
	8 – 50	16568	11.0	8.4	18	34	16	1.8	1.650	100
	10 – 50	165610	11.0	10.5	18	34	16	1.8	1.600	100
	12 – 50	165612	11.0	13.0	22	36	16	1.8	1.800	100
	16 – 50	165616	11.0	17.0	28	40	16	1.8	2.100	100
70	6 – 70	16576	13.0	6.5	22	38	18	2.0	2.600	50
	8 – 70	16578	13.0	8.4	22	38	18	2.0	2.500	50
	10 – 70	165710	13.0	10.5	22	38	18	2.0	2.500	50
	12 – 70	165712	13.0	13.0	22	38	18	2.0	2.400	50
	16 – 70	165716	13.0	17.0	28	42	18	2.0	2.700	50
95	8 – 95	16588	15.0	8.4	24	42	20	2.5	4.300	50
	10 – 95	165810	15.0	10.5	24	42	20	2.5	4.100	50
	12 – 95	165812	15.0	13.0	24	42	20	2.5	3.900	50
	16 – 95	165816	15.0	17.0	28	44	20	2.5	4.100	50
120	8 – 120	16598	17.0	8.4	24	44	22	3.0	5.601	50
	10 – 120	165910	17.0	10.5	24	44	22	3.0	5.600	50
	12 – 120	165912	17.0	13.0	24	44	22	3.0	5.400	50
	16 – 120	165916	17.0	17.0	28	48	22	3.0	5.800	50
150	10 – 150	166010	19.0	10.5	30	50	24	3.2	7.600	50
	12 – 150	166012	19.0	13.0	30	50	24	3.2	7.600	50
	16 – 150	166016	19.0	17.0	30	50	24	3.2	7.500	50
185	12 – 185	166112	21.0	13.0	36	50	28	3.5	11.300	50
	16 – 185	166116	21.0	17.0	36	50	28	3.5	11.300	50
240	12 – 240	166212	23.5	13.0	38	56	32	4.0	15.900	25
	16 – 240	166216	23.5	17.0	38	56	32	4.0	15.900	25

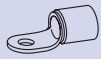
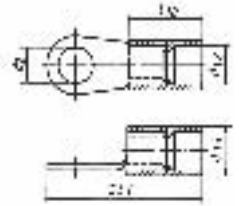
* Not standardized

>> Tool: see chart page 4.22



Insulated solderless terminals

- ring type
- material: terminal E-copper
- surface: tin plated
- insulating sleeve PA, free of halide



Cross section mm ²	Part No.	Dimensions mm					Weight 100 pcs. ~ kg		pcs.	Colour
		d13	d2	d12	G11	l10	Cu	Total		
10	6525	8.6	5.3	6.7	34.0	19.0	0.27	0.27	100	■
	6526	8.6	6.5	6.7	34.0	19.0	0.24	0.28	100	■
	6528	8.6	8.4	6.7	37.5	19.0	0.29	0.33	100	■
	65210	8.6	10.5	6.7	41.5	19.0	0.34	0.38	100	■
	65212	8.6	13.0	6.7	45.5	19.0	0.42	0.46	100	■
16	6535	9.6	5.3	7.7	39.5	20.5	0.39	0.44	100	■
	6536	9.6	6.5	7.7	39.5	20.5	0.38	0.43	100	■
	6538	9.6	8.4	7.7	41.5	20.5	0.43	0.48	100	■
	65310	9.6	10.5	7.7	43.5	20.5	0.50	0.55	100	■
	65312	9.6	13.0	7.7	50.5	20.5	0.58	0.63	100	■
25	6545	13.0	5.3	11.0	40.0	20.0	0.75	0.84	50	■
	6546	13.0	6.5	11.0	42.5	20.0	0.69	0.78	50	■
	6548	13.0	8.4	11.0	43.0	20.0	0.75	0.84	50	■
	65410	13.0	10.5	11.0	45.0	20.0	0.80	0.89	50	■
	65412	13.0	13.0	11.0	51.0	20.0	0.92	1.00	50	■
	65416	13.0	17.0	11.0	59.0	20.0	1.32	1.40	50	■
35	6556	15.0	6.5	12.7	44.0	22.5	1.01	1.14	50	■
	6558	15.0	8.4	12.7	44.5	22.5	0.98	1.10	50	■
	65510	15.0	10.5	12.7	46.5	22.5	1.00	1.12	50	■
	65512	15.0	13.0	12.7	52.5	22.5	1.26	1.38	50	■
	65516	15.0	17.0	12.7	54.5	22.5	1.55	1.67	50	■
50	6566	18.0	6.5	15.4	54.5	27.5	1.65	1.90	50	■
	6568	18.0	8.4	15.4	60.5	27.5	1.65	1.90	50	■
	65610	18.0	10.5	15.4	60.5	27.5	1.60	1.85	50	■
	65612	18.0	13.0	15.4	60.5	27.5	1.80	2.05	50	■
	65616	18.0	17.0	15.4	67.5	27.5	2.10	2.35	50	■
70	6576	20.0	6.5	17.4	61.5	30.5	2.60	2.90	50	■
	6578	20.0	8.4	17.4	61.5	30.5	2.50	2.80	50	■
	65710	20.0	10.5	17.4	66.5	30.5	2.50	2.80	50	■
	65712	20.0	13.0	17.4	66.5	30.5	2.40	2.70	50	■
	65716	20.0	17.0	17.4	70.5	30.5	2.70	3.00	50	■
95	65810	23.5	10.5	20.5	70.0	34.0	4.10	4.50	25	■
	65812	23.5	13.0	20.5	70.0	34.0	3.90	4.40	25	■
	65816	23.5	17.0	20.5	76.0	34.0	4.10	4.50	25	■
120	65910	26.7	10.5	23.5	79.0	36.0	5.60	6.10	25	■
	65912	26.7	13.0	23.5	82.0	36.0	5.40	5.90	25	■
	65916	26.7	17.0	23.5	90.0	36.0	5.80	6.30	25	■
150	66010	29.2	10.5	26.0	80.0	39.0	7.60	8.40	25	■
	66012	29.2	13.0	26.0	83.0	39.0	7.60	8.40	25	■
	66016	29.2	17.0	26.0	83.0	39.0	7.50	8.30	25	■

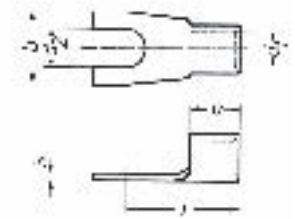
Dimensions of solderless terminals DIN 46234 catalogue page 4.2 and 4.3

>> Tool: see chart page 4.23



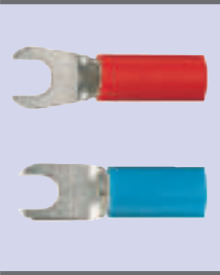
Solderless terminals

- fork type
- material: E-copper
- surface: tin plated
- dimensions of tubes up to 6 mm² according to DIN 46234



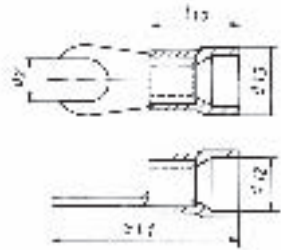
Cross section mm ²	Nominal Size DIN	Part No.	Dimensions mm						Weight/ 100 pcs. ~ kg	pcs.
			d1	d2	b	l	a	s		
0.5 - 1	3 - 1	1620C3	1.6	3.2	6.0	11.0	5.0	0.8	0.060	100
	3.5 - 1	1620C35	1.6	3.7	6.0	11.0	5.0	0.8	0.060	100
	4 - 1	1620C4	1.6	4.3	6.8	12.0	5.0	0.8	0.070	100
	5 - 1	1620C5	1.6	5.3	10.0	13.0	5.0	0.8	0.090	100
	6 - 1	1620C6	1.6	6.5	11.0	15.0	5.0	0.8	0.080	100
1.5 - 2.5	3 - 2.5	1630C3	2.3	3.2	5.5	13.8	5.0	0.8	0.065	100
	3.5 - 2.5	1630C35	2.3	3.7	6.0	11.0	5.0	0.8	0.065	100
	4 - 2.5	1630C4	2.3	4.3	6.8	12.0	5.0	0.8	0.080	100
	5 - 2.5	1630C5	2.3	5.3	10.0	14.0	5.0	0.8	0.090	100
	6 - 2.5	1630C6	2.3	6.5	11.0	16.0	5.0	0.8	0.110	100
4 - 6	4 - 6	1650C4	3.6	4.3	8.0	14.0	6.0	1.0	0.140	100
	5 - 6	1650C5	3.6	5.3	10.0	15.0	6.0	1.0	0.160	100
	6 - 6	1650C6	3.6	6.5	11.0	16.0	6.0	1.0	0.170	100
	8 - 6	1650C8	3.6	8.4	14.0	19.0	6.0	1.0	0.220	100
	10 - 6	1650C10	3.6	10.5	18.0	21.0	6.0	1.0	0.280	100
10	5 - 10	1652C5	4.3	5.3	10.0	19.0	10.0	1.0	0.240	100
	6 - 10	1652C6	4.3	6.4	11.0	21.0	10.0	1.0	0.260	100
16	6 - 16	1653C6	5.4	6.4	11.0	24.0	11.5	1.0	0.350	100
	8 - 16	1653C8	5.4	8.4	15.0	27.0	11.5	1.0	0.420	100

>> Tool: see chart page 4.22



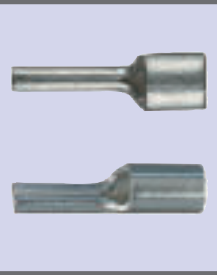
Insulated solderless terminals

- fork type
- material: terminal E-copper
- surface: tin plated
- insulating sleeve PA, free of halide



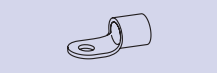
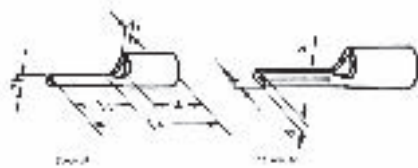
Cross section mm²	Part No.	Dimensions mm					Weight 100 pcs. ~ kg		pcs.	Colour
		d13	d2	d12	G11	l10	Cu	Total		
10	652C5	9.6	5.3	7.0	33.5	19.0	0.24	0.28	100	■
	652C6	9.6	6.4	7.0	33.5	19.0	0.26	0.30	100	■
16	653C6	10.6	6.4	8.6	37.5	20.5	0.35	0.40	100	■
	653C8	10.6	8.4	8.6	37.5	20.5	0.42	0.47	100	■

>> Tool: see chart page 4.23



Pin terminals

- DIN 46230
- material: E-copper
- surface: tin plated



Cross section mm²	Nominal Size DIN	Part No.	Type	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.
				d1	d2	b	h	l1	l2	a	s		
0.5 - 1	1	ST1705	A	1.8	1,9	--	--	17.0	10	5.0	0.8	0.060	100
1.5 - 2.5	2.5	ST1710	A	2.3	1,9	--	--	17.0	10	5.0	0.8	0.072	100
4 - 6	6	ST1715	A	3.6	2,7	--	--	20.0	11	6.0	1.0	0.160	100
10	--	*ST1716	B	4.3	--	4,3	2,0	24.5	11	10.0	1.0	0.270	100
16	--	*ST1717	B	5.4	--	5,8	2,0	29.5	15	11.5	1.0	0.390	100
25	--	*ST1718	B	6.7	--	6,8	2,4	33.5	15	13.5	1.2	0.630	100
35	--	*ST1719	B	8.2	--	8,0	3,2	40.5	20	16.0	1.5	1.170	50
50	--	*ST1720	B	9.5	--	9,5	3,6	45.0	20	19.0	1.8	1.790	50
70	--	*ST1721	B	11.2	--	11,0	4,0	55.0	23	24.0	2.0	2.920	50
95	--	*ST1722	B	13.5	--	12,5	5,0	55.0	23	24.0	2.5	4.300	50

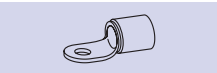
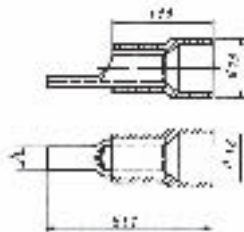
* Not standardized

>> Tool: see chart page 4.22



Insulated pin terminals

- material: terminal E-copper
- surface: tin plated
- insulating sleeve PA, free of halide



Cross section mm²	Part No.	Dimensions mm						Weight 100 pcs. ~ kg		pcs.	Colour
		d13	d12	b	Gl1	l10		Cu	Total		
10	ST1716IS	9.4	7.4	4.3	33.0	19.0		0.27	0.31	100	Red
16	ST1717IS	10.6	8.6	5.5	38.0	20.0		0.39	0.44	100	Blue
25	ST1718IS	14.5	12.5	6.8	43.5	23.5		0.63	0.73	50	Yellow
35	ST1719IS	16.4	14.0	8.0	51.5	27.5		1.17	1.34	50	Red
50	ST1720IS	18.0	15.5	9.5	59.0	33.0		1.79	2.10	50	Blue
70	ST1721IS	20.5	18.0	11.0	69.0	38.0		2.92	3.20	50	Yellow
95	ST1722IS	23.5	20.7	12.5	71.0	40.0		4.30	4.70	25	Red

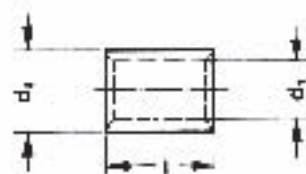
Dimensions of the pin terminals see above

>> Tool: see chart page 4.23



Solderless connector

- DIN 46341, part 1, form A
- short standard type
- material: E-copper
- surface: tin plated



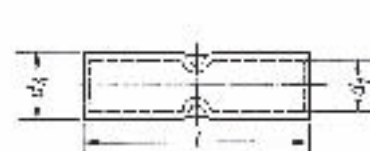
Cross section mm ²	Nominal Size DIN	Part No.	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
			d1	d4	l		
0.5 - 1	1	1620K	1.6	3.2	8	0.045	100
1.5 - 2.5	2.5	1630K	2.3	3.9	8	0.055	100
4 - 6	6	1650K	3.6	5.6	9	0.090	100
10	10	1652K	4.5	6.7	10	0.170	100
16	16	1653K	5.8	8.2	11	0.260	100
25	25	1654K	7.5	10.5	14	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
95	95	1658K	15.0	20.0	20	2.370	50
120	120	1659K	16.5	22.5	22	3.450	50
150	150	1660K	19.0	25.4	26	5.060	50

>> Tool: see chart page 4.22



Solderless connector

- DIN 46341, part 1, form B
- long standard type
- material: E-copper
- surface: tin plated



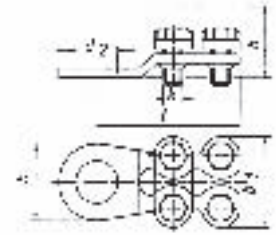
Cross section mm ²	Nominal Size DIN	Part No.	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
			d1	d4	l		
0.5 - 1	1	1620L	1.6	3.2	15	0.08	100
1.5 - 2.5	2.5	1630L	2.3	3.9	15	0.10	100
4 - 6	6	1650L	3.6	5.6	15	0.19	100
10	10	1652L	4.5	6.7	21	0.36	100
16	16	1653L	5.8	8.2	26	0.62	100
25	25	1654L	7.5	10.5	29	1.11	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

>> Tool: see chart page 4.22



Punched copper cable lugs

- material: E-copper
- surface: tin plated, optional copper finish
- 4 screws: DIN 84 / DIN 933 bronze, F 60



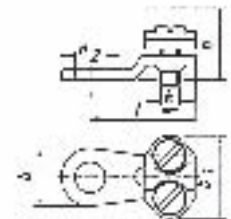
Cross section mm ²	Part No.*	Dimensions mm						Weight/ 100 pcs. ~ kg	pcs.
		d2	b	b1	h	l	k		
16 - 25	584R8	8.5	18.5	22.5	16	36.0	M5	3.70	25
	584R10	10.5	19.5	22.5	16	37.0	M5	3.75	25
25 - 35	585R8	8.5	18.5	24.0	16	38.5	M5	4.30	25
	585R10	10.5	21.5	24.0	16	42.0	M5	4.65	25
	585R12	13.0	21.5	24.0	16	42.0	M5	4.50	25
35 - 50	586R10	10.5	19.0	28.0	19	46.0	M6	6.75	25
	586R12	13.0	21.0	28.0	19	47.0	M6	6.70	25
50 - 70	587R10	10.5	23.5	31.0	19	51.0	M6	9.35	10
	587R12	13.0	23.5	31.0	19	51.0	M6	9.30	10
70 - 95	588R10	10.5	24.0	34.0	25	57.0	M6	12.00	10
	588R12	13.0	24.0	34.0	25	57.0	M6	11.85	10
95 - 150	589R10	10.5	30.0	42.0	32	61.0	M8	20.15	10
	589R12	13.0	30.0	42.0	32	61.0	M8	20.20	10
	589R16	17.0	30.0	42.0	32	61.5	M8	20.10	10
150 - 240	590R10	10.5	34.0	48.5	32	68.5	M8	24.40	5
	590R12	13.0	34.0	48.5	32	68.5	M8	24.35	5
	590R16	17.0	34.0	48.5	32	68.5	M8	24.30	5
	590R20	21.0	36.0	48.5	32	70.5	M8	24.25	5
185 - 300	592R12	13.0	32.0	50.0	37	68.5	M8	27.95	5
	592R16	17.0	32.0	50.0	37	68.5	M8	28.00	5
	592R20	21.0	34.5	50.5	37	70.0	M8	27.95	5

*Part-No for copper finish version with appendix "bk"



Punched copper cable lugs

- material: E-copper
- surface: tin plated, optional copper finish
- 2 screws: DIN 84 / DIN 933 bronze, F 60



Cross section mm ²	Part No.*	Dimensions mm						Weight/ 100 pcs. ~ kg	pcs.
		d2	b	b1	h	l	k		
6 - 10	572R6	6.5	15.0	18.0	10	23.0	M4	1.30	50
10 - 16	573R6	6.5	15.0	20.5	14	27.0	M5	2.00	50
	573R8	8.5	15.0	20.5	14	27.0	M5	2.00	50
16 - 25	574R8	8.5	15.0	25.0	16	30.0	M5	2.75	50
25 - 35	575R8	8.5	18.5	24.0	16	25.5	M5	2.50	50

*Part-No for copper finish version with appendix "bk"



Brass screw connectors

- with hole for soldering
- material: CuZn 40 Pb 2 DIN 17660
- surface: tin plated
- screws: steel DIN 551



Cross section mm ²	Part No.	Dimensions mm				Weight/ 100 pcs. ~ kg	pcs.
		d1	l	Ø q	z*		
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

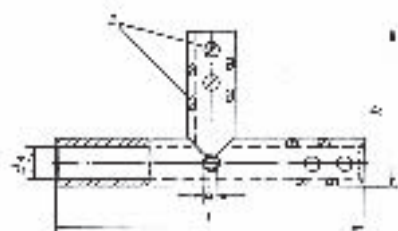
*Number of set screws

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



Brass screw T-connectors

- with hole for soldering
- material: CuZn 40 Pb 2 DIN 17660
- surface: tin plated
- screws: steel DIN 551



Cross section mm ²	Part No.	Dimensions mm					Weight/ 100 pcs. ~ kg	pcs.
		d1	h	l	Ø q	z*		
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

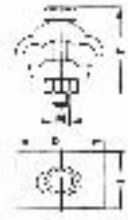
*Number of set screws

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



Parallel groove clamps for tap off connections

- application with 1 screw
- material: E-copper
- screw: high tensile copper alloy F 60, nut: copper
- surface: copper finish
- without thrust plate



Cross section mm ²	Part No.	Dimensions mm				Weight/ 100 pcs. ~ kg	pcs.
		b	h	l	M		
4 - 16	SAK10	19.5	16	16	M5	2.10	10
4 - 25	SAK12	25.0	21	20	M6	4.10	10
4 - 25	SAK14	25.0	22	20	M7	3.95	10
6 - 35	SAK16	30.0	23	20	M7	5.20	10
10 - 50	SAK18	32.5	26	24	M7	7.40	10
	SAK20	32.5	27	24	M8	8.15	10
10 - 70	SAK22	38.5	29	26	M8	10.80	5
25 - 95	SAK24	45.0	36	31	M10	19.30	5



Parallel groove clamps for tap off connections

- application with 1 screw
- material: E-copper
- screw: high tensile copper alloy F 60, nut: copper
- surface: copper finish
- with thrust plate

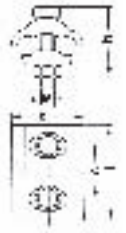


Cross section mm ²	Part No.	Dimensions mm				Weight/ 100 pcs. ~ kg	pcs.
		b	h	l	M		
4 - 16	SAK11	19.5	16	16	M5	2.40	10
4 - 25	SAK13	25.0	21	20	M6	4.30	10
4 - 25	SAK15	25.0	22	20	M7	4.15	10
6 - 35	SAK17	30.0	23	20	M7	5.40	10
10 - 50	SAK19	32.5	26	24	M7	7.60	10
	SAK21	32.5	27	24	M8	8.30	10
10 - 70	SAK23	38.5	29	26	M8	11.10	5
25 - 95	SAK25	45	36	31	M10	19.6	5



Parallel groove clamps for tap off connections

- application with 2 screws
- material: E-copper
- screw: high tensile copper alloy F 60, nut: copper
- surface: copper finish
- without thrust plate



Cross section mm ²	Part No.	Dimensions mm					Weight/ 100 pcs. ~ kg	pcs.
		b	A	h	l	M		
4 - 16	SAK30	19.5	11.0	16	22	M5	3.1	10
4 - 25	SAK32	25.0	12.5	21	26	M6	5.6	10
	SAK34	25.0	15.0	22	30	M7	7.7	10
6 - 35	SAK36	30.0	15.0	23	30	M7	8.5	10
10 - 50	SAK38	32.5	18.0	26	34	M7	11.0	10
	SAK40	32.5	18.0	27	36	M8	12.9	10
10 - 70	SAK42	38.5	19.0	29	38	M8	16.1	5
25 - 95	SAK44	45.0	25.5	36	46	M10	28.7	5
35 - 150	SAK46	52.5	26.0	40	52	M10	37.4	5



Parallel groove clamps for tap off connections

- application with 2 screws
- material: E-copper
- screw: high tensile copper alloy F 60, nut: copper
- surface: copper finish
- with thrust plate



Cross section mm ²	Part No.	Dimensions mm					Weight/ 100 pcs. ~ kg	pcs.
		b	A	h	l	M		
4 - 16	SAK31	19.5	11.0	16	22	M5	3.3	10
4 - 25	SAK33	25.0	12.5	21	26	M6	5.9	10
	SAK35	25.0	15.0	22	30	M7	7.9	10
6 - 35	SAK37	30.0	15.0	23	30	M7	8.9	10
10 - 50	SAK39	32.5	18.0	26	34	M7	11.5	10
	SAK41	32.5	18.0	27	36	M8	13.5	10
10 - 70	SAK43	38.5	19.0	29	38	M8	16.6	5
25 - 95	SAK45	45.0	25.5	36	46	M10	29.7	5
35 - 150	SAK47	52.5	26.0	40	52	M10	39.0	5



C-clamps

- material: E-Cu
- surface: tin plated; optional copper finish
- to connect equal cross-sections



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

*Part number for copper finish version with appendix "bk"
rm = round stranded; re = round solid

>> Tool: see chart page 4.23



C-clamps

- material: E-Cu
- surface: tin plated; optional copper finish
- to connect different cross-sections



Conductor size		Part No.*	Dimensions mm		Weight/100 pcs.	pcs.
Main Conductor rm/re	Junction rm/re		b	l	~ kg	
2.5 - 4/25 - 4	2.5 - 4/2.5 - 4	MCK44	9.8	8	0.185	25
6 - 10/10	4 - 6/4 - 10	MCK1010	12.0	12	0.460	25
10 - 16/16	4 - 10/4 - 10	MCK1016	19.0	17	1.900	25
16 - 25/25	4 - 10/4 - 10	MCK1025	19.0	17	1.900	25
16 - 25/25 - 35	16 - 25/16 - 35	MCK3535	20.0	17	1.750	25
35/50	4 - 25/4 - 25	MCK2550	24.8	23	4.400	25
35/50	16 - 35/25 - 50	MCK5050	26.5	23	4.200	25
50 - 70/-	4 - 35/4 - 35	MCK3570	33.8	28	10.700	10
95/-	16 - 35	MCK3595	41.0	30	15.000	10
95/-	35 - 70	MCK7095	41.0	30	14.000	10
120/-	35 - 120	MCK120120	45.0	30	16.550	10
150/-	70 - 150	MCK150150	53.0	35	23.000	5
185/-	95 - 185	MCK185185	60.0	40	33.000	5

*Part number for copper finish version with appendix "bk"
rm = round stranded; re = round solid

>> Tool: see chart page 4.23



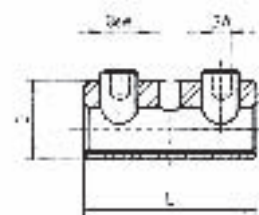
Compound for C-clamps

	Contents net
Part No.	~ kg
KF125	0.125



Screw connectors for shielded copper wires

- with inspection hole
- body: high resistant copper alloy
- surface: tin plated
- bolts: stainless steel, tin plated



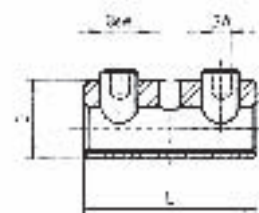
Cross section mm ²		Part No.	Dimensions mm		Data on bolts				Weight/ 100 pcs.	pcs.
rm	re		L	D	No.:	SW	Thread DIN 13	Md Nm	~ kg	
6 - 25	6 - 35	SV100	40	14	2	4	M8x1	10	3.9	4

rm = round stranded; re = round solid



Screw connectors for street lighting

- with inspection hole
- body: brass (CuZn)
- surface: tin plated, optional copper finish
- bolts: stainless steel, tin plated



Cross section mm ²		Part No.	Dimensions mm		Data on bolts				Weight/ 100 pcs.	pcs.
rm	re		L	D	No.:	SW	Thread DIN 13	Md Nm	~ kg	
2.5 - 10	2.5 - 16	SV200	30	10	2	2.5	M5x1.5	1.35	1.35	4
2.5 - 10	2.5 - 16	SV200BK	30	10	2	2.5	M5x1.5	1.35	1.35	4

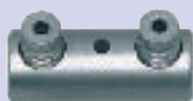
rm = round stranded; re = round solid



Screw Connectors with sector shaped clamp channel for insulated conductors

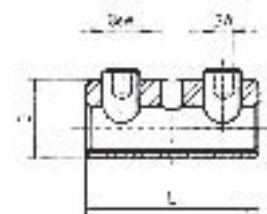
- body: high tensile aluminium
- surface: bright, optional tin plated
- bolts: copper alloy, tinned and greased
- with shearing head
- version with two bolts

Cross section mm ²		Part No.	Dimensions mm	Hexagon head	Hexagon socket	Torque Nm	Weight/ 100 pcs.	pcs.
rm/sm	rm(v)/re/se		L				~ kg	
25-70	25-95	SV501	70	SW17	SW6	25	6.6	4
25-70	25-95	SV501v	70	SW17	SW6	25	6.6	4



Connection clamps

- body: high resistant aluminium alloy
- surface: bright, optional tin plated
- bolts: copper alloy, tin plated
- available with or without shear heads
- version with 2 bolts



Contact bolt standard, body bright

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm		Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
			L	D	SW	Thread DIN 13	Md Nm		
6 - 25	6 - 35	SV303	40	14	4	M8x1	8	1.5	4
6 - 35	6 - 50	SV300	40	16	4	M8x2	8	1.7	4
25 - 95	25 - 95	SV301	55	25	5	M12x16	20	6.6	4
--	35 - 150	SV308	70	28	6	M18x1.5	25	11.3	4
35 - 185	35 - 185	SV302	80	32	6	M18x1.5	25	16	4

Contact bolt standard, body tin plated

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm		Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
			L	D	SW	Thread DIN 13	Md Nm		
6 - 25	6 - 35	SV303V	40	14	4	M8x1	8	1.5	4
6 - 35	6 - 50	SV300V	40	16	4	M8x2	8	1.7	4
16 - 35	16 - 50	SV307V	57	22	5	M10x1.5	15	4.7	4
25 - 95*	25 - 95	SV301V	55	25	5	M12x16	20	6.6	4
35 - 185	35 - 185	SV302V	80	32	6	M18x1.5	25	16	4

Contact bolt with shear head, body bright

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm		Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
			L	D	SW	Thread DIN 13	Md Nm		
6 - 25	6 - 35	**SV303AK	40	14	4	M8x1	8	1.5	4
6 - 35	--	SV304AKNL	40	16	4	M8x1	8	1.7	4
16 - 35	16 - 50	SV307AKNL	57	22	5	M10x1.5	15	4.7	4
25 - 95	25 - 95	SV301AK	55	25	5	M12x16	20	6.6	4
35 - 185	35 - 185	SV302AK	80	32	6	M18x1.5	25	16	4

Contact bolt with shear head, body tin plated

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm		Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
			L	D	SW	Thread DIN 13	Md Nm		
6 - 35	--	SV304AKNLV	40	16	4	M8x1	8	1.7	4
25 - 95	25 - 95	***SV301AKV	25	55	5	M12x16	20	6.6	4
35 - 185	35 - 185	SV302AKV	80	32	6	M18x1.5	25	16	4

sm/se-conductor needs to be pre-rounded

** Fixed: appendix "NL"

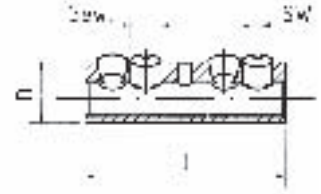
*** Version with fixed countersink shear head: appendix "VK"

rm = round stranded; sm = sector stranded; re = round solid; se = sector solid



Connection clamps

- body: high resistant aluminium alloy
- surface: bright, optional tin plated
- bolts: copper alloy, tin plated
- available with or without shear heads
- version with 4 bolts



Contact bolt standard, body bright

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm L D		SW	Data on bolts Thread DIN 13 Md Nm		Weight/ 100 pcs. ~ kg	pcs.
25 - 95	25 - 95	SV305	92	25	5	M12x1	20	12	4
35 - 185	35 - 185	SV306	108	32	6	M18x1.5	25	25	4

Contact bolt standard, body tin plated

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm L D		SW	Data on bolts Thread DIN 13 Md Nm		Weight/ 100 pcs. ~ kg	pcs.
25 - 95	25 - 95	SV305V	92	25	5	M12x1	20	12	4
35 - 185	35 - 185	SV306V	108	32	6	M18x1.5	25	25	4

Contact bolt with shear head, body bright

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm L D		SW	Data on bolts Thread DIN 13 Md Nm		Weight/ 100 pcs. ~ kg	pcs.
25 - 95	25 - 95	SV305AK	92	25	5	M12x1	20	12	4
35 - 185	35 - 185	SV306AK	108	32	6	M18x1.5	25	25	4

Contact bolt with shear head, body tin plated

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm L D		SW	Data on bolts Thread DIN 13 Md Nm		Weight/ 100 pcs. ~ kg	pcs.
25 - 95	25 - 95	SV305AKV	92	25	5	M12x1	20	12	4
35 - 185	35 - 185	SV306AKV	108	32	6	M18x1.5	25	25	4

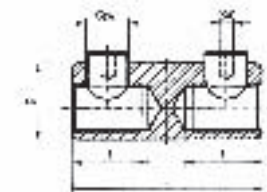
sm/se-conductor needs to be pre-rounded

rm = round stranded; sm = sector stranded; re = round solid; se = sector solid



Connection clamps

- body: high resistant aluminium alloy
- surface: bright, optional tin plated
- bolts: copper alloy, tin plated
- available with or without shear heads
- version with barrier and 2 bolts



Contact bolt standard, body bright

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm			Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
			L	I	D	SW	Thread DIN 13	Md Nm		
6 - 35	6 - 50	SV315	40	17.5	16	4	M8x1	8	1.7	4
25 - 95	25 - 95	SV309	55	22	25	5	M12x1	20	6.6	4
--	35 - 150	SV320	70	31	28	6	M18x1.5	25	11.3	4
35 - 185	35 - 185	SV310	80	32	32	6	M18x1.5	25	16	4

Contact bolt standard, body tin plated

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm			Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
			L	I	D	SW	Thread DIN 13	Md Nm		
6 - 35	6 - 50	SV315V	40	17.5	16	4	M8x1	8	1.7	4
25 - 95	25 - 95	SV309V	55	22	25	5	M12x1	20	6.6	4
--	35 - 150	SV320V	70	31	28	6	M18x1.5	25	11.3	4
35 - 185	35 - 185	SV310V	80	32	32	6	M18x1.5	25	16	4

Contact bolt with shear head, body bright

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm			Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
			L	I	D	SW	Thread DIN 13	Md Nm		
6 - 25	6 - 35	SV311AKNL	40	17.5	14	4	M8x1	8	1.5	4
6 - 35	--	SV312AKNL	40	17.5	16	4	M8x1	8	1.7	4
25 - 95	25 - 95	SV309AK	55	22	25	5	M12x1	20	6.6	4
35 - 185	35 - 185	SV310AK	80	32	32	6	M18x1.5	25	16	4
70 - 150	95 - 150	SV322AKVK	80	32	32	6	M18x1.5	25	21.6	4

Contact bolt with shear head, body tin plated

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm			Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
			L	I	D	SW	Thread DIN 13	Md Nm		
6 - 35	--	SV312AKNLV	40	17.5	16	4	M8x1	8	1.7	4
16 - 35	16 - 50	SV319AKNLV	57	24	22	4	M12x1	15	7.6	4
25 - 95	25 - 95	***SV309AKV	55	22	25	5	M12x1	20	6.6	4
35 - 185	35 - 185	***SV310AKV	80	32	32	6	M18x1.5	25	16	4

sm/se conductor needs to be pre-rounded

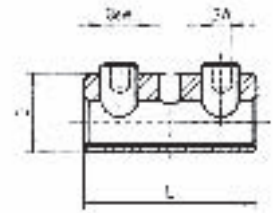
*** Version with fixed countersink shear head: appendix "VK"

rm = round stranded; sm = sector stranded; re = round solid; se = sector solid



Insulated screw connectors

- insulated body
- body: high resistant aluminium alloy
- bolts: copper alloy, tin plated
- available with or without shear heads
- two bolt version, without barrier



Contact bolt standard, body bright

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm		Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
			L	D	SW	Thread DIN 13	Md Nm		
6 - 25	6 - 35	SV400	40	14	4	M8x1	8	1.7	4
25 - 95	25 - 95	SV410	55	25	5	M12x1	20	6	4
35 - 185	35 - 185	SV420	80	32	6	M18x1.5	25	14.5	4

Contact bolt standard, body tin plated

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm		Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
			L	D	SW	Thread DIN 13	Md Nm		
16 - 35	16 - 50	*SV405V	57	22	5	M10x1.5	15	5	4
35 - 185	35 - 185	SV420V	80	32	6	M18x1.5	25	14.5	4

Contact bolt with shear head, body bright

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm		Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
			L	D	SW	Thread DIN 13	Md Nm		
25 - 95	25 - 95	SV410AK	55	25	5	M12x1	20	6	4
35 - 185	35 - 185	SV420AK	80	32	6	M18x1.5	25	14.5	4

sm/se-conductor needs to be pre-rounded

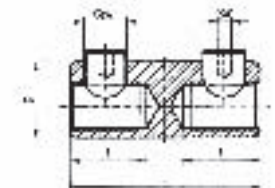
* Black insulation

rm = round stranded; sm = sector stranded; re = round solid; se = sector solid



Insulated screw connectors

- insulated body
- body: high resistant aluminium alloy
- bolts: copper alloy, tin plated
- available with or without shear head
- two-bolt version with barrier



Contact bolt standard, body bright

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm			Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
			L	I	D	SW	Thread DIN 13	Md Nm		
25 - 95	25 - 95	SV430	55	22	25	5	M12x1	20	6.6	4
35 - 185	35 - 185	SV440	80	32	32	6	M18x1.5	25	1.6	4

Contact bolt with shear head, body bright

Cross section mm ² rm/sm	Cross section mm ² rm(v)/re/se	Part No.	Dimensions mm			Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
			L	I	D	SW	Thread DIN 13	Md Nm		
25 - 95	25 - 95	SV430AK	55	22	25	5	M12x1	20	6.6	4
35 - 185	35 - 185	*SV440AK	80	32	32	6	M 18 x 1.5	25	1.6	4

sm/se-conductor needs to be pre-rounded

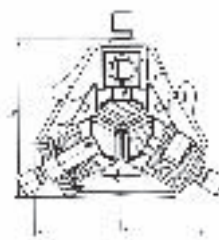
* Version with fixed countersink shear head: appendix "VK"

rm = round stranded; sm = sector stranded; re = round solid; se = sector solid



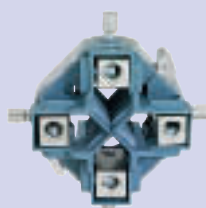
Compact tap connectors

- for three conductor cables
- with shear heads, fixed type, for main conductor



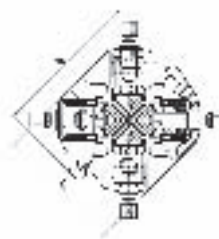
Conductor size mm ² Main conductor				Tab Conductor		Part No.	Data Sizes mm			Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
Cu rm/sm	Cu rm(v)/re/se	Al rm/sm	Al rm(v)/re/se	rm/sm	rm(v)/re/se		la	lb	Width:	Circle Ø	flats mm	Thread DIN 13		
70 - 150	70 - 150	70 - 150	70 - 150	6 - 70	6 - 95	KSK1503	84	76	45	90	5	M10x1/M10	0.35	1

sm/se-conductor needs to be pre-rounded



Compact tap connectors

- for four conductor cables
- with shear heads, fixed type, for main conductor



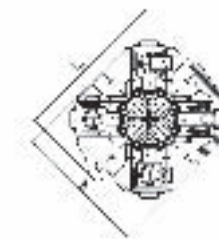
Conductor size mm ² Main conductor				Tab Conductor		Part No.	Data Sizes mm			Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
Cu rm/sm	Cu rm(v)/re/se	Al rm/sm	Al rm(v)/re/se	rm/sm	rm(v)/re/se		la	lb	Width:	Circle Ø	flats mm	Thread DIN 13		
70 - 150	70 - 150	70 - 150	70 - 150	6 - 70	6 - 95	KSK1504	107	90	46	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



Compact tap connectors

- for four conductor cables



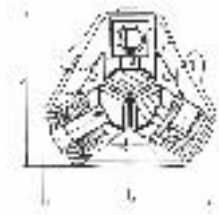
Conductor size mm ² Main conductor				Tab Conductor		Part No.	Data Sizes mm			Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
Cu rm/sm	Cu rm(v)/re/se	Al rm/sm	Al rm(v)/re/se	rm/sm	rm(v)/re/se		la	lb	Width:	Circle Ø	flats mm	Thread DIN 13		
25 - 50	25 - 50	25 - 50	25 - 70	6 - 35	6 - 50	KSK504	88	75	50	91	5	M10x1/M10	0.46	1

sm/se-conductor needs to be pre-rounded



Compact tap connectors

- for three conductor cables



Conductor size mm² Main conductor				Tab Conductor		Part No.	Data Sizes mm			Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
Cu rm/sm	Cu rm(v)/re/se	Al rm/sm	Al rm(v)/re/se	rm/sm	rm(v)/re/se		la	lb	Width:	Circle Ø	flats mm	Thread DIN 13		
70 - 150	70 - 150	70 - 150	70 - 150	6 - 70	6 - 95	SKR1503	84	76	45	90	5	M10x1/M10	0.38	1

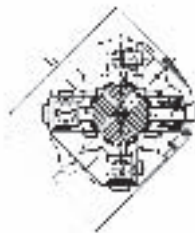
sm/se-conductor needs to be pre-rounded

4



Compact tap connectors

- for four conductor cables



Conductor size mm² Main conductor				Tab Conductor		Part No.	Data Sizes mm			Data on bolts			Weight/ 100 pcs. ~ kg	pcs.
Cu rm/sm	Cu rm(v)/re/se	Al rm/sm	Al rm(v)/re/se	rm/sm	rm(v)/re/se		la	lb	Width:	Circle Ø	flats mm	Thread DIN 13		
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

Insulated tools according to VDE 0680 part 2/3.78

For correct assembly we recommend use of our hexagonal wrenches and expander wedges. Length of handles of hexagonal wrenches guarantee correct torque.

 Hexagonal wrench K601	 Hexagonal wrench T shape K606	 Expander wedge K610	 Torque wrench 20 Nm: Hexagonal bit SW 5: K615 K6151
---	--	--	---

Terminals according to DIN 46234,
Pin terminals according to DIN 46230,
Solderless connectors according to DIN 46341, part 1
• Catalogue pages 4.2 - 4.3, 4.5, 4.7, 4.8



Range: mm ²	Tools	M	M +	H	H +	Crimping profile	Catalogue page
0.5-6	K13	•					9.10
0.5-10	K50		•				9.19
	EK1550			•			10.12
	EK1550G			•			10.13
0.5-16	K25	•					9.11
0.75-2.5	KP1 +KP232	•					9.16
	KP1L +KP232	•					9.17
	EKP1 +KP232			•			10.14
	TEKP1 +KP232			•			10.42
4-10	KP1 +KP242	•					9.16
	KP1L +KP242	•					9.17
	EKP1 +KP242			•			10.14
	TEKP1 +KP242			•			10.42
10-35	EK354			•			10.15
10-70	K18		•				9.21
	HK6018			•			10.2
	EK18PLUS			•			10.16
	PK18			•			10.30
	THK18			•			10.43
	HK60UNV + UA18			•			10.11
	EK60UNV + UA18			•			10.29
	PK60UNV + UA18			•			10.41
	K22		•				9.22
	HK6022			•			10.3
	EK22PLUS			•			10.17
	PK22			•			10.31
	THK22			•			10.44
	HK60UNV + UA22			•			10.11
	EK60UNV + UA22			•			10.29
	PK60UNV + UA22			•			10.41
16-95	K95	•					9.11
	TK95	•					9.11

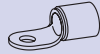
Range: mm ²	Tools	M	M +	H	H +	Crimping profile	Catalogue page
16-150	HK12025			•			10.6
	HK12042			•			10.7
	HK120U			•			10.8
	EK12025			•			10.20
	EK12042			•			10.21
	EK120UPLUS			•			10.22
	HK122			•			10.45
	HK122EL			•			10.50
	PK12038			•			10.34
	PK120U			•			10.35
16-240	HK252			•			10.46
	HK252EL			•			10.50
	PK252			•			10.36

Insulated terminals

• Catalogue pages 4.4 and 4.6

Insulated pin terminals

• Catalogue page 4.7



Range: mm²	Tools	M	M+	H	H+	Crimping profile	Catalogue page
10-16	K16	•				○	9.7
	K50		•			○	9.19
	EK1550			•		○	10.12
	EK1550G			•		○	10.13
	EK354			•		○	10.15
10-50	K18	•				○	9.21
	HK6018			•		○	10.2
	EK18PLUS			•		○	10.16
	PK18			•		○	10.30
	THK18			•		○	10.43
	HK60UNV + UA18			•		○	10.11
	EK60UNV + UA18			•		○	10.29
	PK60UNV + UA18			•		○	10.41
10-70	K22	•				○	9.22
	HK6022			•		○	10.3
	EK22PLUS			•		○	10.17
	PK22			•		○	10.31
	THK22			•		○	10.44
	HK60UNV + UA22			•		○	10.11
	EK60UNV + UA22			•		○	10.29
	PK60UNV + UA22			•		○	10.41
10-95	HK12025			•		○	10.6
	HK12042			•		○	10.7
	HK120U			•		○	10.8
	EK12025			•		○	10.20
	EK12042			•		○	10.21
	EK120UPLUS			•		○	10.22
	HK122			•		○	10.45
	HK122EL			•		○	10.50
	PK12038			•		○	10.34
	PK120U			•		○	10.35
10-150	HK252			•		○	10.46
	HK252EL			•		○	10.50
	PK252			•		○	10.36

C-clamps Cu

• Catalogue page 4.13



Range: mm²	Tools	M	M+	H	H+	Crimping profile	Catalogue page
4-35	EK354			•		○	10.15
4-50	K18		•			○	9.21
	HK6018			•		○	10.2
	EK18PLUS			•		○	10.16
	PK18			•		○	10.30
	THK18			•		○	10.43
	HK60UNV + UA18			•		○	10.11
	EK60UNV + UA18			•		○	10.29
	PK60UNV + UA18			•		○	10.41
	K22		•			○	9.22
	HK6022			•		○	10.3
	EK22PLUS			•		○	10.17
	PK22			•		○	10.31
	THK22			•		○	10.44
	HK60UNV + UA22			•		○	10.11
	EK60UNV + UA22			•		○	10.29
	PK60UNV + UA22			•		○	10.41
10-70	HK12025			•		○	10.6
	HK12042			•		○	10.7
	HK120U			•		○	10.8
	EK12025			•		○	10.20
	EK12042			•		○	10.21
	EK120UPLUS			•		○	10.22
	HK122			•		○	10.45
	HK122EL			•		○	10.50
	PK12038			•		○	10.34
	PK120U			•		○	10.35
10-185	HK252			•		○	10.46
	HK252EL			•		○	10.50
	PK252			•		○	10.36

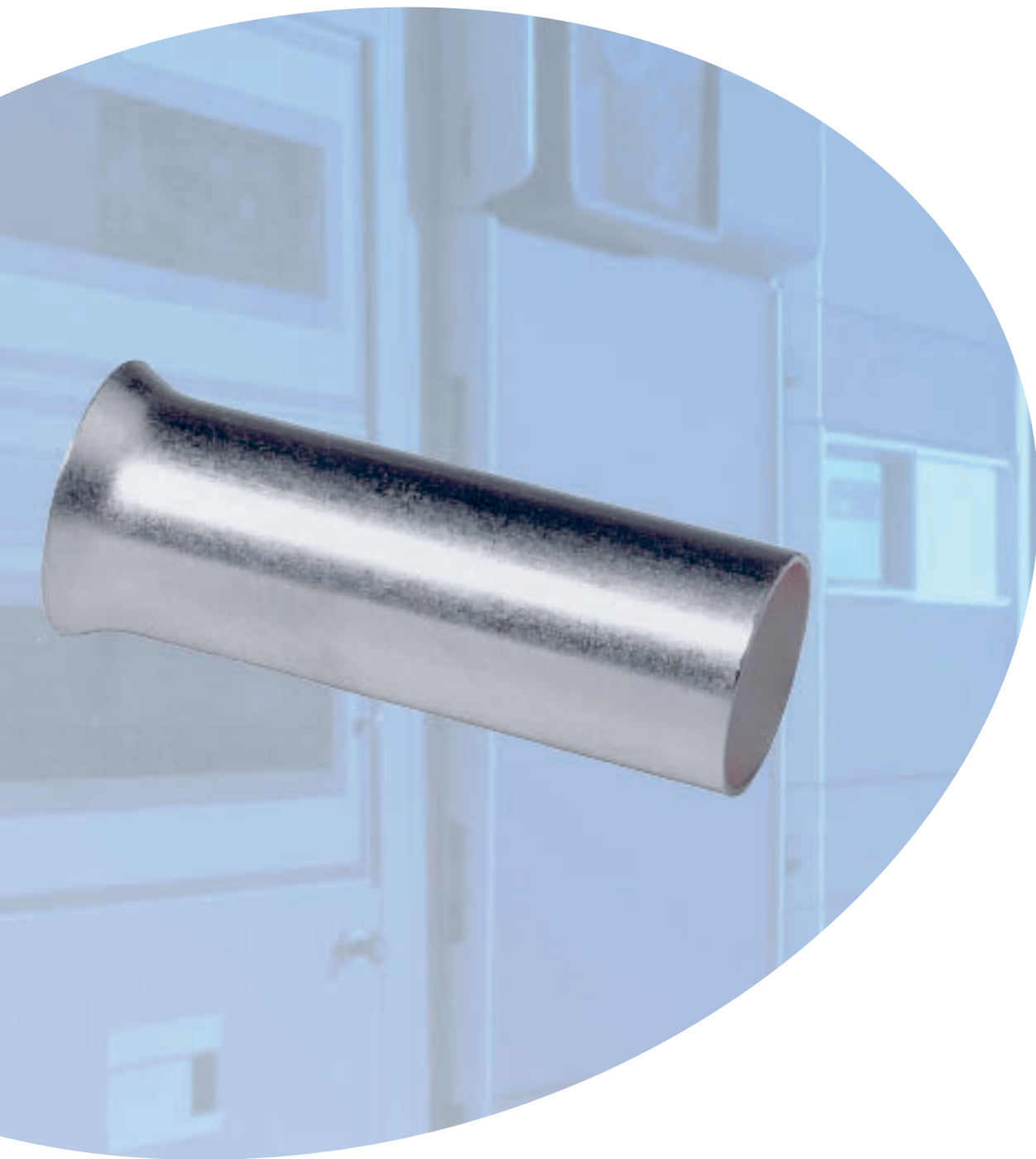
M mechanical tools,
without interchangeable dies

M+ mechanical tools,
with interchangeable dies

H hydraulic tools, hand-operated

H+ battery powered and
mains operated tools

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



Cable end-sleeves DIN 46228, part 1	5.2
Tool application chart	5.5



Cable end-sleeves

- DIN 46228, part 1, 0.5-50 mm²
- material: copper
- surface: tin plated,
optional silver plated



Cross section mm ²	Part No.		Dimensions mm				Weight/ 1000 pcs. ~ kg	pcs.
	tin plated	silver plated	d1	d2	l	s		
0.25	*695V	*695	0.75	1.7	5	0.15	0.02	1000
	*697V	*697	0.75	1.7	7	0.15	0.03	1000
0.34	*705V	*7050	0.85	1.8	5	0.15	0.02	1000
	*707V	*707	0.85	1.8	7	0.15	0.03	1000
0.5	71S6V	71S6	1.00	2.1	6	0.15	0.03	1000
	*71S8V	*71S8	1.00	2.1	8	0.15	0.04	1000
	71S10V	71S10	1.00	2.1	10	0.15	0.05	1000
0.75	716V	716	1.20	2.3	6	0.15	0.04	1000
	*718V	*718	1.20	2.3	8	0.15	0.05	1000
	7110V	7110	1.20	2.3	10	0.15	0.06	1000
	*7112V	*7112	1.20	2.3	12	0.15	0.08	1000
	*7115V	*7115	1.20	2.3	15	0.15	0.09	1000
1	72S6V	72S6	1.40	2.5	6	0.15	0.04	1000
	*72S8V	*72S8	1.40	2.5	8	0.15	0.06	1000
	72S10V	72S10	1.40	2.5	10	0.15	0.07	1000
	*72S12V	*72S12	1.40	2.5	12	0.15	0.08	1000
	*72S15V	*72S15	1.40	2.5	15	0.15	0.10	1000
1.5	*726V	*726	1.70	2.8	6	0.15	0.05	1000
	727V	727	1.70	2.8	7	0.15	0.06	1000
	*728V	*728	1.70	2.8	8	0.15	0.07	1000
	7210V	7210	1.70	2.8	10	0.15	0.09	1000
	7212V	7212	1.70	2.8	12	0.15	0.10	1000
	*7215V	*7215	1.70	2.8	15	0.15	0.13	1000
	7218V	7218	1.70	2.8	18	0.15	0.15	1000
	*7220V	*7220	1.70	2.8	20	0.15	0.17	1000
2.5	737V	737	2.20	3.4	7	0.15	0.08	1000
	*738V	*738	2.20	3.4	8	0.15	0.09	1000
	7310V	7310	2.20	3.4	10	0.15	0.11	1000
	7312V	7312	2.20	3.4	12	0.15	0.13	1000
	*7315V	*7315	2.20	3.4	15	0.15	0.17	1000
	7318V	7318	2.20	3.4	18	0.15	0.20	1000
	*7320V	*7320	2.20	3.4	20	0.15	0.22	1000
4	*748V	*748	2.80	4.0	8	0.20	0.14	1000
	749V	749	2.80	4.0	9	0.20	0.16	1000
	*7410V	*7410	2.80	4.0	10	0.20	0.17	1000
	7412V	7412	2.80	4.0	12	0.20	0.20	1000
	7415V	7415	2.80	4.0	15	0.20	0.27	1000
	7418V	7418	2.80	4.0	18	0.20	0.32	1000
	*7420V	*7420	2.80	4.0	20	0.20	0.35	1000
6	7510V	7510	3.50	4.7	10	0.20	0.23	100
	7512V	7512	3.50	4.7	12	0.20	0.27	100
	7515V	7515	3.50	4.7	15	0.20	0.34	100
	7518V	7518	3.50	4.7	18	0.20	0.40	100
	*7520V	*7520	3.50	4.7	20	0.20	0.45	100
	*7525V	*7525	3.50	4.7	25	0.20	0.56	100



Cable end-sleeves

- DIN 46228, part 1, 0.5-50 mm²
- material: copper
- surface: tin plated, optional silver plated



Cross section mm ²	Part No.		Dimensions mm				Weight/ 1000 pcs. ~ kg	pcs.
	tin plated	silver plated	d1	d2	l	s		
10	*7610V	*7610	4.5	5.8	10	0.2	0.27	100
	7612V	7612	4.5	5.8	12	0.2	0.33	100
	7615V	7615	4.5	5.8	15	0.2	0.41	100
	7618V	7618	4.5	5.8	18	0.2	0.49	100
	*7620V	*7620	4.5	5.8	20	0.2	0.55	100
	*7625V	*7625	4.5	5.8	25	0.2	0.68	100
16	7712V	7712	5.8	7.5	12	0.2	0.43	100
	7715V	7715	5.8	7.5	15	0.2	0.53	100
	7718V	7718	5.8	7.5	18	0.2	0.60	100
	*7720V	*7720	5.8	7.5	20	0.2	0.70	100
	7725V	7725	5.8	7.5	25	0.2	0.87	100
	7732V	7732	5.8	7.5	32	0.2	1.11	100
25	*7812V	*7812	7.3	9.5	12	0.3	0.80	50
	7815V	7815	7.3	9.5	15	0.3	0.99	50
	7818V	7818	7.3	9.5	18	0.3	1.18	50
	*7820V	*7820	7.3	9.5	20	0.3	1.31	50
	7825V	7825	7.3	9.5	25	0.3	1.63	50
	*7828V	*7828	7.3	9.5	28	0.3	1.82	50
	7832V	7832	7.3	9.5	32	0.3	2.07	50
35	*7912V	*7912	8.3	11.0	12	0.3	0.90	50
	*7915V	*7915	8.3	11.0	15	0.3	1.12	50
	7918V	7918	8.3	11.0	18	0.3	1.34	50
	*7920V	*7920	8.3	11.0	20	0.3	1.48	50
	*7922V	*7922	8.3	11.0	22	0.3	1.63	50
	7925V	7925	8.3	11.0	25	0.3	1.80	50
	*7930V	*7930	8.3	11.0	30	0.3	2.20	50
	7932V	7932	8.3	11.0	32	0.3	2.35	50
50	8018V	8018	10.5	13.0	18	0.3	1.69	50
	*8022V	*8022	10.5	13.0	22	0.3	2.05	50
	8025V	8025	10.5	13.0	25	0.3	2.32	50
	*8030V	*8030	10.5	13.0	30	0.3	2.77	50
	8032V	8032	10.5	13.0	32	0.3	2.95	50
70	*8122V	*8122	12.7	15.0	22	0.4	3.31	25
	*8125V	*8125	12.7	15.0	25	0.4	3.75	25
	*8130V	*8130	12.7	15.0	30	0.4	4.48	25
	*8132V	*8132	12.7	15.0	32	0.4	4.78	25
95	*8225V	*8225	14.7	17.0	25	0.4	4.32	25
	*8230V	*8230	14.7	17.0	30	0.4	5.17	25
	*8232V	*8232	14.7	17.0	32	0.4	5.17	25
	*8234V	*8234	14.7	17.0	34	0.4	5.84	25



Cable end-sleeves

- DIN 46228, part 1, 0.5-50 mm²
- material: copper
- surface: tin plated,
optional silver plated



Cross section mm ²	Part No.		Dimensions mm				Weight/ 1000 pcs. ~ kg	pcs.
	tin plated	silver plated	d1	d2	l	s		
120	*8330V	*8330	16.7	19.0	30	0.5	7.35	25
	*8332V	*8332	16.7	19.0	32	0.5	7.83	25
	*8334V	*8334	16.7	19.0	34	0.5	8.31	25
	*8338V	*8338	16.7	19.0	38	0.5	9.28	25
	*8340V	*8340	16.7	19.0	40	0.5	9.76	25
150	*8432V	*8432	18.7	21.0	32	0.5	8.75	25
	*8434V	*8434	18.7	21.0	34	0.5	9.28	25
	*8438V	*8438	18.7	21.0	38	0.5	10.36	25
	*8440V	*8440	18.7	21.0	40	0.5	10.89	25
185	*8532V	*8532	20.2	23.5	32	0.6	11.38	25
	*8540V	*8540	20.2	23.5	40	0.6	14.17	25
240	*8634V	*8634	23.0	24.0	34	0.5	11.25	25
	*8640V	*8640	23.0	24.0	40	0.5	13.23	25

* Not standardized

>> Tool: see chart page 5.5

Cable end-sleeves
 according to DIN 46228, part 1
 • Catalogue pages 5.2 - 5.4


Range: mm ²	Tools	M	M+	H	H+	Crimping profile	Catalogue page
0.14-2.5	K1	•					9.3
	K48	•					9.3
0.14-6	K312	•					9.4
	K32	•					9.3
	K37	•					9.4
	KP1 +KP312	•					9.16
	KP1L +KP312	•					9.17
	EKP1 +KP312			•			10.14
	TEKP1 +KP312			•			10.42
0.14-10	K303	•					9.4
	KP1 +KP303	•					9.16
	KP1L +KP303	•					9.17
	EKP1 +KP303			•			10.14
	TEKP1 +KP303			•			10.42
0.14-50	K50		•				9.19
	EK1550			•			10.12
	EK1550G			•			10.13
0.5-2.5	K4	•					9.2
0.5-6	K36	•					9.3
	K382	•					9.4
0.5-16	K3	•					9.2
1.5-6	K46	•					9.2
	KP1 +KP351	•					9.16
	KP1L +KP351	•					9.17
	EKP1 +KP351			•			10.14
	TEKP1 +KP351			•			10.42
6-16	K34	•					9.3
10-16	KP1 +KP304	•					9.16
	KP1L +KP304	•					9.17
	EKP1 +KP304			•			10.14
	TEKP1 +KP304			•			10.42
	KP1 +KP352	•					9.16
	KP1L +KP352	•					9.17
	EKP1 +KP352			•			10.14
	TEKP1 +KP352			•			10.42
10-25	K39	•					9.4
10-35	K35	•					9.2
10-50	K271	•					9.5
	K28	•					9.5
	EK354			•			10.15

Range: mm ²	Tools	M	M+	H	H+	Crimping profile	Catalogue page
10-95	K18		•				9.21
	HK6018			•			10.2
	EK18PLUS			•			10.16
	PK18			•			10.30
	THK18			•			10.43
	HK60UNV + UA18			•			10.11
	EK60UNV + UA18			•			10.29
	PK60UNV + UA18			•			10.41
10-150	THK22			•			10.44
10-240	K22		•				9.22
	HK6022			•			10.3
	EK22PLUS			•			10.17
	PK22			•			10.31
	THK22			•			10.44
	HK60UNV + UA22			•			10.11
	EK60UNV + UA22			•			10.29
	PK60UNV + UA22			•			10.41
25-240	HK12025			•			10.6
	HK12042			•			10.7
	HK120U			•			10.8
	EK12025			•			10.20
	EK12042			•			10.21
	EK120UPLUS			•			10.22
	HK122			•			10.45
	HK122EL			•			10.50
	PK12038			•			10.34
	PK120U			•			10.35
	HK252			•			10.46
	HK252EL			•			10.50
	PK252			•			10.36
50-95	K272	•					9.5
	K29	•					9.5

M mechanical tools,
without interchangeable dies

M+ mechanical tools,
with interchangeable dies

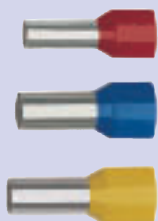
H hydraulic tools, hand-operated

H+ battery powered and
mains operated tools

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

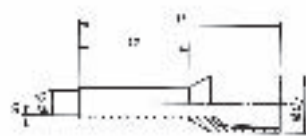


Insulated cable end-sleeves DIN 46228, part 4	6.2
Insulated cable end-sleeves	6.3
Insulated cable end-sleeves for short circuit resistant conductors	6.5
Insulated twin cable end-sleeves	6.6
Insulated cable end-sleeves on strips and tapes	6.7
Insulated cable end-sleeves with identification symbols	6.8
Cable end-sleeves DIN 46228, part 2	6.9
Tool application chart	6.10



Cable end-sleeves

- DIN 46228, part 4, 0.5-50 mm²
- material: copper
- surface: tin plated
- insulated, free of halide
- synthetic material: Polypropylene



Cross section mm²	Part No.	Dimensions mm					Weight/ 1000 pcs. ~ kg	pcs.	Colour
		d1	d3	l1	l2	s1			
0.5	4696	1.0	3.1	12	6	0.15	0.070	1000	□
	4698	1.0	3.1	14	8	0.15	0.070	1000	□
	GR4698	1.0	3.1	14	8	0.15	0.070	500	□
	46910	1.0	3.1	16	10	0.15	0.085	1000	□
0.75	4706	1.2	3.3	12	6	0.15	0.080	1000	■
	4708	1.2	3.3	14	8	0.15	0.080	1000	■
	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	■
1	4716	1.4	3.5	12	6	0.15	0.090	1000	■
	4718	1.4	3.5	14	8	0.15	0.100	1000	■
	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	■
1.5	4726	1.7	4.0	12	6	0.15	0.105	1000	■
	4728	1.7	4.0	14	8	0.15	0.110	1000	■
	GR4728	1.7	4.0	14	8	0.15	0.110	500	■
	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	■
2.5	4738	2.2	4.7	14	8	0.15	0.150	1000	■
	GR4738	2.2	4.7	14	8	0.15	0.150	500	■
	47312	2.2	4.7	18	12	0.15	0.200	1000	■
	47318	2.2	4.7	24	18	0.15	0.250	1000	■
4	47410	2.8	5.4	17	10	0.20	0.210	100	■
	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	■
	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	■
	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	■
	47718	5.8	9.6	28	18	0.20	0.800	100	■
25	47816	7.3	12.0	30	16	0.20	1.600	50	■
	47818	7.3	12.0	32	18	0.20	1.700	50	■
	47822	7.3	12.0	36	22	0.20	2.000	50	■
35	47916	8.3	13.5	30	16	0.20	1.900	50	■
	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	■
	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	■

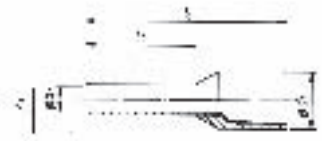
* Not standardized

>> Tool: see chart page 6.10



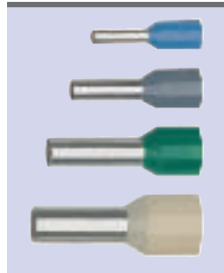
Cable end-sleeves

- material: copper
- surface: tin plated
- dimensions according to DIN 46228, part 4
- insulated, free of halide
- synthetic material: Polypropylene



Cross section mm ²	Part No.	Dimensions mm						Weight/ 1000 pcs. ~ kg	pcs.	Colour
		d1	d3	l1	l2	s1				
0.14	166GR	0.7	2.3	10.4	6	0.12	0.035	1000		
	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		
	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		
	168TL	0.8	2.5	12.4	8	0.15	0.050	1000		
0.5	1690K	1.0	3.0	12.0	6	0.15	0.070	1000		
	1690	1.0	3.0	14.0	8	0.15	0.070	1000		
	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		
0.75	170WK	1.2	3.2	12.4	6	0.15	0.080	1000		
	170W	1.2	3.2	14.6	8	0.15	0.080	1000		
	GR170W	1.2	3.2	14.6	8	0.15	0.080	500		
	170WH	1.2	3.2	16.4	10	0.15	0.100	1000		
	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		
	171G	1.4	3.5	14.6	8	0.15	0.100	1000		
	GR171G	1.4	3.5	14.6	8	0.15	0.100	500		
	171GH	1.4	3.5	16.4	10	0.15	0.120	1000		
	171GL	1.4	3.5	18.4	12	0.15	0.125	1000		
1.5	172RK	1.7	4.0	12.0	6	0.15	0.105	1000		
	172RO	1.7	4.0	14.6	8	0.15	0.110	1000		
	GR172RO	1.7	4.0	14.6	8	0.15	0.110	500		
	172RH	1.7	4.0	16.4	10	0.15	0.130	1000		
	172RM	1.7	4.0	18.4	12	0.15	0.140	1000		
	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		
	GR173B	2.3	4.9	15.2	8	0.15	0.150	500		
	173BH	2.3	4.9	19.0	12	0.15	0.200	1000		
	173BL	2.3	4.9	25.0	18	0.15	0.250	1000		
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	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		
	176EL	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		
	177GRL	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		
	178BRL	7.3	12.1	35.0	22	0.20	2.000	50		
35	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		
50	1800	10.3	16.4	36.4	20	0.35	3.300	50		
	1800L	10.3	16.4	41.4	25	0.35	4.000	50		

>> Tool: see chart page 6.10



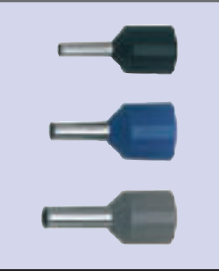
Cable end-sleeves

- material: copper
- surface: tin plated
- dimensions according to DIN 46228, part 4
- insulated, free of halide
- synthetic material: Polypropylene



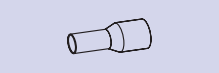
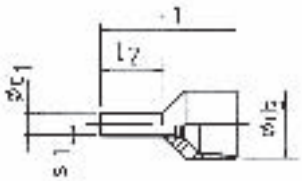
Cross section mm²	Part No.	Dimensions mm					Weight/ 1000 pcs. ~ kg	pcs.	Colour
		d1	d3	l1	l2	s1			
0.14	1666	0.7	2.4	10.4	6	0.12	0.035	1000	■
	1668	0.7	2.4	12.4	8	0.12	0.040	1000	■
0.25	1676	0.8	2.5	11.0	6	0.15	0.045	1000	■
	1678	0.8	2.5	13.0	8	0.15	0.050	1000	■
0.34	1686	0.8	2.5	11.0	6	0.15	0.045	1000	■
	1688	0.8	2.5	13.0	8	0.15	0.050	1000	■
0.5	1696	1.0	3.1	11.0	6	0.15	0.070	1000	■
	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	■
0.75	1706	1.2	3.2	11.5	6	0.15	0.080	1000	■
	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	■
1	1716	1.4	3.4	11.5	6	0.15	0.085	1000	■
	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	■
1.5	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	■
	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	■
2.5	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	■
	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	■
4	17410	2.8	5.5	16.5	10	0.20	0.260	100	■
	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	■
6	17512	3.5	7.0	20.0	12	0.20	0.410	100	■
	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	■
	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	■
	17718	5.8	9.8	29.0	18	0.20	0.850	100	■
25	17816	7.3	12.0	28.0	16	0.20	1.500	50	■
	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	■

>> Tool: see chart page 6.10



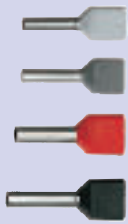
Cable end-sleeves

- for short circuit resistant conductors (NSGAFÖU)
- surface: tin plated
- temperature: 120 °C max.; continuously rated for: 105 °C
- insulated, free of halide
- material: copper
- synthetic material: Polypropylene



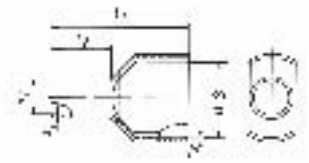
Cross section mm²		Dimensions mm					Weight/ 1000 pcs. ~ kg		
	Part No.	d1	d3	l1	l2	s1			
1.5	4328	1.8	7.6	17.5	8	0.15	0.22	100	■
	43210	1.8	7.6	19.5	10	0.15	0.27	100	■
2.5	4338	2.3	8.5	17.5	8	0.15	0.24	100	■
	43312	2.3	8.5	21.5	12	0.15	0.36	100	■
4	43410	2.9	8.5	19.5	10	0.20	0.36	100	■
6	43512	3.6	9.3	23.0	12	0.20	0.49	100	■
10	43612	4.6	10.8	24.0	12	0.20	0.65	100	■
16	43712	6.0	13.1	25.5	12	0.20	0.93	100	■

>> Tool: see chart page 6.10



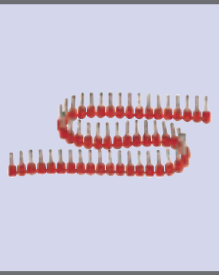
Twin-cable end-sleeves

- material: copper
- surface: tin plated
- insulated, free of halide
- synthetic material: Polypropylene



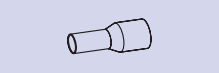
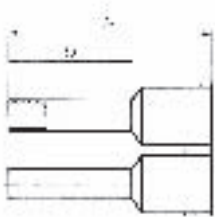
Cross section mm²	Part No.	Dimensions mm						pcs.	Colour
		d1	d3	l1	l2	s1	s2		
0,25	8678	1,15	1,8/3,4	15,0	8	0,15	0,25	1000	■
0,34	8688	1,15	1,8/3,4	15,0	8	0,15	0,25	1000	■
0,5	8698	1,50	2,5/4,7	15,0	8	0,15	0,25	1000	■
0,75	8708	1,80	2,8/5,0	15,0	8	0,15	0,25	1000	■
	87010	1,80	2,8/5,0	17,0	10	0,15	0,25	1000	■
1	8718	2,05	3,4/5,4	15,0	8	0,15	0,30	1000	■
	87110	2,05	3,4/5,4	17,0	10	0,15	0,30	1000	■
1,5	8728	2,30	3,6/6,6	16,0	8	0,15	0,30	1000	■
	87212	2,30	3,6/6,6	20,0	12	0,15	0,30	1000	■
2,5	87310	2,90	4,2/7,8	18,5	10	0,20	0,30	100	■
	87313	2,90	4,2/7,8	21,5	13	0,20	0,30	100	■
4	87412	3,80	4,9/8,8	23,0	12	0,20	0,30	100	■
6	87514	4,90	6,9/10,0	26,0	14	0,20	0,40	100	■
10	87614	6,50	7,2/13,0	26,0	14	0,20	0,40	100	■
16	87714	8,30	9,6/18,4	30,0	14	0,20	0,40	100	■

>> Tool: see chart page 6.11



Cable end-sleeves

- strips
- dimensions and colour according to DIN 46228, part 4
- material: copper
- surface: tin plated
- insulated, free of halide
- synthetic material: Polypropylene

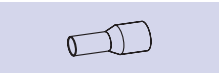


Cross section mm²	Part No.	Dimensions mm		pcs.	Colour
		I1	I2		
0.5	ST9698	14	8	500	□
0.75	ST9708	14	8	500	■
1	ST9718	14	8	500	■
1.5	ST9728	14	8	500	■
2.5	ST9738	14	8	500	■



Cable end-sleeves

- on tape, small spool
- dimensions and colour according to DIN 46228, part 4
- material: copper
- surface: tin plated
- insulated, free of halide
- synthetic material: Polypropylene

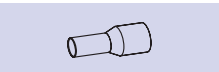


Cross section mm²	Part No.	Dimensions mm		pcs.	Colour
		I1	I2		
0.5	BAK9698	14	8	1100	□
0.75	BAK9708	14	8	1100	■
1	BAK9718	14	8	800	■
1.5	BAK9728	14	8	800	■
2.5	BAK9738	14	8	500	■



Cable end-sleeves

- on tape, large spool
- dimensions and colour according to DIN 46228, part 4
- material: copper
- surface: tin plated
- insulated, free of halide
- synthetic material: Polypropylene



Cross section mm²	Part No.	Dimensions mm		pcs.	Colour
		I1	I2		
0.5	BAG9698	14	8	10000	□
0.75	BAG9708	14	8	10000	■
1	BAG9718	14	8	7500	■
1.5	BAG9728	14	8	7500	■
2.5	BAG9738	14	8	5000	■



Cable end-sleeves

- material: copper
- surface: tin plated
- insulated, free of halide
- synthetic material: Polypropylene
- with identification symbols, 6 identification rings maximum
- tube dimensions according to DIN 46228, part 4

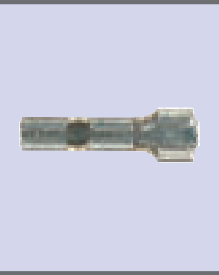


	Cross section mm²	Part No.	Dimensions mm					Weight/ 1000 pcs. ~ kg	pcs.	Colour
			d1	d3	l1	l2	s1			
	0.5	3698	1.0	3.1	13.0	8	0.15	0.16	1000	□
	0.75	3708	1.2	3.2	13.5	8	0.15	0.16	1000	■
	1	3718	1.4	3.4	13.5	8	0.15	0.18	1000	■
	1.5	3728	1.7	3.9	13.5	8	0.15	0.20	1000	■
	2.5	3738	2.2	4.7	14.5	8	0.15	0.22	1000	■

>> Tool: see chart page 6.10

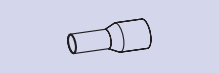
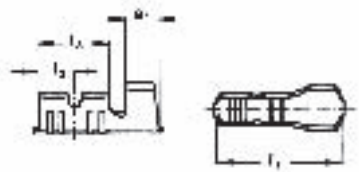
Identification symbols 200 each per symbol

Symbol	number 0-9	letter A-Z	sign +	sign -	fork
Part No.	380/0 to 9	380/A to Z	380/+	380/-	A 300



Cable end-sleeves

- DIN 46228, part 2
- material: brass
- surface: tin plated



Cross section mm²	Nominal Size DIN	Part No.	Dimensions mm					Weight/ 1000 pcs. ~ kg	pcs.
			l1	l2	l3	a1	s		
0.5-1	B 1 - 7	SH271	11	3.5	7	2.5	0.3	0.2	100
1.5	B 1.5 - 7	SH272	11	3.5	7	2.5	0.3	0.23	100
2.5	B 2.5 - 7	SH273	11	3.5	7	2.5	0.3	0.32	100

>> Tool: see chart page 6.11

Insulated cable end-sleeves
according to DIN 46228, part 4,
Insulated cable end-sleeves
for short circuit resistant conductors
• Catalogue pages 6.2 - 6.4, 6.8



Range: mm ²	Tools	M	M +	H	H +	Crimping profile	Catalogue page
0.14-2.5	K1	•					9.3
	K48	•					9.3
0.14-6	K312	•					9.4
	K32	•					9.3
	K37	•					9.4
	KP1 +KP312	•					9.16
	KP1L +KP312	•					9.17
	EKP1 +KP312			•			10.14
	TEKP1 +KP312			•			10.42
0.14-10	K303	•					9.4
	KP1 +KP303	•					9.16
	KP1L +KP303	•					9.17
	EKP1 +KP303			•			10.14
	TEKP1 +KP303			•			10.42
0.14-50	K50		•				9.19
	EK1550			•			10.12
	EK1550G			•			10.13
0.5-2.5	K4	•					9.2
0.5-6	K36	•					9.3
	K382	•					9.4
0.5-16	K3	•					9.2
1.5-6	K46	•					9.2
	KP1 +KP351	•					9.16
	KP1L +KP351	•					9.17
	EKP1 +KP351			•			10.14
	TEKP1 +KP351			•			10.42
6-16	K34	•					9.3
10-16	KP1 +KP304	•					9.16
	KP1L +KP304	•					9.17
	EKP1 +KP304			•			10.14
	TEKP1 +KP304			•			10.42
	KP1 +KP352	•					9.16
	KP1L +KP352	•					9.17
	EKP1 +KP352			•			10.14
	TEKP1 +KP352			•			10.42
10-25	K39	•					9.4
10-35	K35	•					9.2
10-50	K271	•					9.5
	K28	•					9.5
	EK354			•			10.15

Range: mm ²	Tools	M	M +	H	H +	Crimping profile	Catalogue page
10-95	K18		•				9.21
	HK6018		•				10.2
	EK18PLUS			•			10.16
	PK18		•				10.30
	THK18		•				10.43
	HK60UNV + UA18		•				10.11
	EK60UNV + UA18			•			10.29
	PK60UNV + UA18			•			10.41
10-150	K22		•				9.22
	HK6022		•				10.3
	EK22PLUS			•			10.17
	PK22		•				10.31
	THK22		•				10.44
	HK60UNV + UA22		•				10.11
	EK60UNV + UA22			•			10.29
	PK60UNV + UA22			•			10.41
25-150	HK12025		•				10.6
	HK12042		•				10.7
	HK120U		•				10.8
	EK12025			•			10.20
	EK12042			•			10.21
	EK120UPLUS			•			10.22
	HK122		•				10.45
	HK122EL		•				10.50
	PK12038		•				10.34
	PK120U		•				10.35
	HK252		•				10.46
	HK252EL		•				10.50
	PK252		•				10.36
50-95	K272	•					9.5
	K29	•					9.5

**Insulated
twin cable end-sleeves**
 • Catalogue page 6.6


Range: mm²	Tools	M	M+	H	H+	Crimping profile	Catalogue page
2x0.5-2x2.5	K312	•					9.4
	K32	•					9.3
	K382	•					9.4
	KP1 +KP312	•					9.16
	KP1L +KP312	•					9.17
	EKP1 +KP312			•			10.14
	TEKP1 +KP312			•			10.42
2x0.5-2x4	K303	•					9.4
	K36	•					9.3
	KP1 +KP303	•					9.16
	KP1L +KP303	•					9.17
	EKP1 +KP303			•			10.14
	TEKP1 +KP303			•			10.42
2x4-2x6	K34	•					9.3
	KP1 +KP304	•					9.16
	KP1L +KP304	•					9.17
	EKP1 +KP304			•			10.14
	TEKP1 +KP304			•			10.42
2x4-2x16	K271	•					9.5
	K28	•					9.5
	EK354			•			10.15
	K18	•					9.21
	HK6018			•			10.2
	EK18PLUS			•			10.16
	PK18			•			10.30
	THK18			•			10.43
	HK60UNV + UA18			•			10.11
	EK60UNV + UA18			•			10.29
	PK60UNV + UA18			•			10.41
	THK22			•			10.44
	K22	•					9.22
	HK6022			•			10.3
	EK22PLUS			•			10.17
	PK22			•			10.31
	HK60UNV + UA22			•			10.11
	EK60UNV + UA22			•			10.29
	PK60UNV + UA22			•			10.41

Cable end-sleeves according to DIN 46228, part 2
 • Catalogue page 6.9


Range: mm²	Tools	M	M+	H	H+	Crimping profile	Catalogue page
0.5x2.5	K66	•					9.2
	KP1 +KP66	•					9.16
	KP1L +KP66	•					9.17
	EKP1 +KP66			•			10.14
	TEKP1 +KP66			•			10.42

M mechanical tools,
without interchangeable dies

M+ mechanical tools,
with interchangeable dies

H hydraulic tools, hand-operated

H+ battery powered and
mains operated tools

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

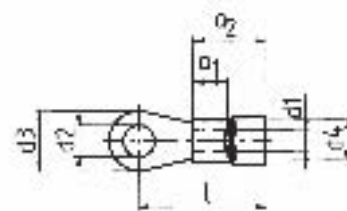


Solderless terminals	7.2
Non-insulated tabs and receptacles	7.10
Flexible connectors	7.15
Tool application chart	7.17



Solderless terminals

- DIN 46237, ring type
- material: E-copper, tin-plated
- insulation sleeve: PA, free of halide
- temperature resistant up to 105 °C



Cross section mm²	Part No.	Nominal Size DIN	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.	Colour
			d1	d2	d3	d4	l	a1	a2	s			
0.1-0.4	*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	■
	*6193	--	1.0	3.3	5.0	2.2	14.0	--	--	0.5	0.020	100	■
	*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	■
0.5-1	62025	2.5-1	1.6	2.8	6.0	3.2	16.5	5	10.5	0.8	0.060	100	■
	6203	3.0-1	1.6	3.2	6.0	3.2	16.5	5	10.5	0.8	0.060	100	■
	62035	3.5-1	1.6	3.7	6.0	3.2	16.5	5	10.5	0.8	0.550	100	■
	6204	4.0-1	1.6	4.3	8.0	3.2	17.5	5	10.5	0.8	0.070	100	■
	6205	5.0-1	1.6	5.3	10.0	3.2	18.5	5	10.5	0.8	0.090	100	■
	*6206	--	1.6	6.5	11.0	3.2	20.5	5	10.5	0.8	0.080	100	■
	*6208	--	1.6	8.4	14.0	3.2	22.5	5	10.5	0.8	0.130	100	■
	*62010	--	1.6	10.5	18.0	3.2	24.5	5	10.5	0.8	0.130	100	■
1.5-2.5	6303	3.0-2.5	2.3	3.2	6.0	3.9	17.5	5	11.5	0.8	0.065	100	■
	63035	3.5-2.5	2.3	3.7	6.0	3.9	17.5	5	11.5	0.8	0.065	100	■
	6304	4.0-2.5	2.3	4.3	8.0	3.9	18.5	5	11.5	0.8	0.080	100	■
	6305	5.0-2.5	2.3	5.3	10.0	3.9	20.5	5	11.5	0.8	0.090	100	■
	6306	6.0-2.5	2.3	6.5	11.0	3.9	22.5	5	11.5	0.8	0.110	100	■
	6308	8.0-2.5	2.3	8.4	14.0	3.9	23.5	5	11.5	0.8	0.130	100	■
	*63010	--	2.3	10.5	18.0	3.9	25.5	5	11.5	0.8	0.160	100	■
4-6	6504	4.0-6	3.6	4.3	8.0	5.6	20.5	6	12.5	1.0	0.140	100	■
	6505	5.0-6	3.6	5.3	10.0	5.6	21.5	6	12.5	1.0	0.160	100	■
	6506	6.0-6	3.6	6.5	11.0	5.6	22.5	6	12.5	1.0	0.170	100	■
	6508	8.0-6	3.6	8.4	14.0	5.6	25.5	6	12.5	1.0	0.220	100	■
	65010	10.0-6	3.6	10.5	18.0	5.6	27.5	6	12.5	1.0	0.290	100	■

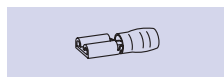
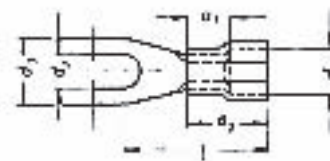
* Not standardized

>> Tool: see chart page 7.17



Solderless terminals

- DIN 46237, fork type
- material: E-copper, tin-plated
- insulation sleeve: PA, free of halide
- temperature resistant up to 105°C



Cross section mm ²	Part No.	Nominal Size DIN	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.	Colour
0.1-0.4	*619C3	--	--	3.2	5.0	--	14.0	--	--	0.5	0.020	100	Yellow
0.5-1	620C3	3.0-1	1.6	3.2	6.0	3.2	16.5	5	10.5	0.8	0.060	100	Red
	620C35	3.5-1	1.6	3.7	6.8	3.2	17.5	5	10.5	0.8	0.060	100	Red
	620C4	4.0-1	1.6	4.3	6.8	3.2	17.5	5	10.5	0.8	0.070	100	Red
	620C5	5.0-1	1.6	5.3	10.0	3.2	18.5	5	10.5	0.8	0.090	100	Red
	*620C6	--	1.6	6.5	11.0	3.2	20.5	5	10.5	0.8	0.080	100	Red
1.5-2.5	630C3	3.0-2.5	2.3	3.2	6.0	3.9	17.5	5	11.5	0.8	0.060	100	Blue
	630C35	3.5-2.5	2.3	3.7	6.8	3.9	18.5	5	11.5	0.8	0.065	100	Blue
	630C4	4.0-2.5	2.3	4.3	6.8	3.9	18.5	5	11.5	0.8	0.080	100	Blue
	630C5	5.0-2.5	2.3	5.3	10.0	3.9	20.5	5	11.5	0.8	0.090	100	Blue
	630C6	6.0-2.5	2.3	6.5	11.0	3.9	22.5	5	11.5	0.8	0.110	100	Blue
4-6	650C4	4.0-6	3.6	4.3	8	5.6	20.5	6	12.5	1.0	0.140	100	Yellow
	650C5	5.0-6	3.6	5.3	10	5.6	21.5	6	12.5	1.0	0.160	100	Yellow
	650C6	6.0-6	3.6	6.5	11	5.6	22.5	6	12.5	1.0	0.170	100	Yellow
	650C8	8.0-6	3.6	8.4	14	5.6	25.5	6	12.5	1.0	0.220	100	Yellow
	650C10	10.0-6	3.6	10.5	18	5.6	27.5	6	12.5	1.0	0.280	100	Yellow

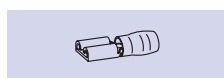
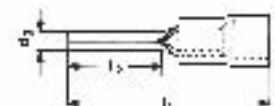
* Not standardized

>> Tool: see chart page 7.17



Pin terminals

- DIN 46231
- material: E-copper, tin plated
- insulation sleeve: PA, free of halide
- temperature resistant up to 105 °C



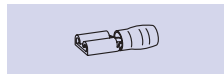
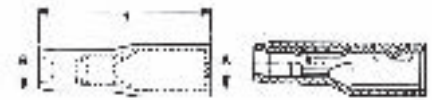
Cross section mm ²	Part No.	Nominal Size DIN	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.	Colour
0.1-0.4	*704	--	1.4	--	18.0	9.0	--	--	0.5	0.020	100	Yellow
0.5-1	*705K	1	1.9	3.2	18.0	6.0	5	10.5	0.8	0.060	100	Red
	705	1	1.9	3.2	22.0	10.0	5	10.5	0.8	0.065	100	Red
1.5-2.5	*710K	2.5	1.9	3.9	19.5	6.5	5	11.5	0.8	0.060	100	Blue
	710	2.5	1.9	3.9	23.0	10.0	5	11.5	0.8	0.065	100	Blue
	*710L	2.5	1.9	3.9	27.5	16.0	5	11.5	0.8	0.100	100	Blue
4-6	715	6	2.7	5.6	26.0	11.0	6	12.5	1.0	0.160	100	Yellow

* Not standardized

>> Tool: see chart page 7.17

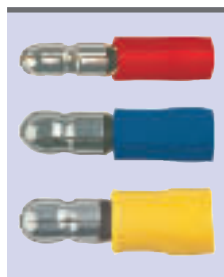
**Pin receptacles**

- material: CuSnZn, tin plated
- insulation sleeve: PVC

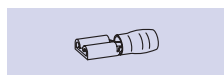
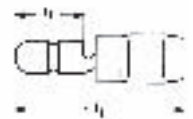


Cross section mm ²	Part No.	Tab Ø	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.	Colour
			l1	s				
0.5-1	920	4	22	0.35		0.060	100	■
1.5-2.5	930	5	22	0.38		0.120	100	■
4-6	950	5	22	0.38		0.125	100	■

>> Tool: see chart page 7.17

**Pin connectors**

- material: CuZn, tin plated
- insulation sleeve: PVC

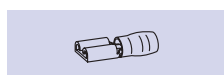


Cross section mm ²	Part No.	Tab Ø	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.	Colour
			l1	l2	s			
0.5-1	1020	4	22	9	0.38	0.060	100	■
1.5-2.5	1030	5	22	9	0.38	0.075	100	■
4-6	1050	5	22	9	0.40	0.110	100	■

>> Tool: see chart page 7.17

**Pin receptacles**

- material: CuSnZn, tin plated
- insulation sleeve: PA, free of halide



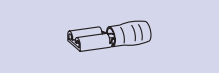
Cross section mm ²	Part No.	Tab Ø	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.	Colour
			l1	s				
0.5-1	920V	4	24	0.38		0.065	100	■
1.5-2.5	930V	5	24	0.38		0.130	100	■
4-6	950V	5	27	0.40		0.150	100	■

>> Tool: see chart page 7.17



Pin connectors

- material: CuSnZn, tin plated
- insulation sleeve: PA, free of halide



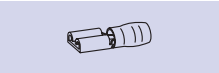
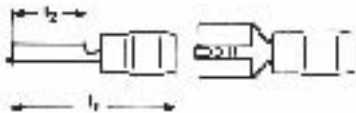
Cross section mm²	Part No.	Tab Ø	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.	Colour
			l1	l2	s			
0.5-1	1020V	4	25	11	0.38	0.065	100	■
1.5-2.5	1030V	5	25	11	0.38	0.080	100	■
4-6	1050V	5	27	13	0.40	0.120	100	■

>> Tool: see chart page 7.17



Receptacles

- DIN 46245, part 1 - 3 and similar versions
- material: CuZn, tin plated
- insulation sleeve: PVC / PA, free of halide



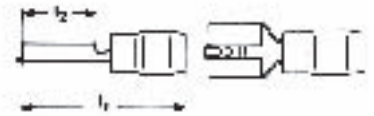
Cross section mm²	Part No.	Nominal Size DIN	Tab Thickn.	Tab Width	Dimensions mm			Ins. Mat.	Weight/ 100 pcs. ~ kg	pcs.	Colour
					l1	l2	s				
0.5-1	8201	6.3 - 6	0.5	2.8	17.5	8.0	0.30	PVC	0.035	100	■
	8201A		0.8	2.8	17.5	8.0	0.30	PVC	0.045	100	■
	8202	4.8 - 1	0.5	4.8	18.0	6.0	0.35	PVC	0.065	100	■
	8203		0.8	4.8	18.0	6.0	0.35	PVC	0.065	100	■
	720	6.3 - 1	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	■
1.5-2.5	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	■
	8302	4.8 - 1	0.5	4.8	18.0	6.0	0.35	PVC	0.070	100	■
	8303	4.8 - 2.5	0.8	4.8	18.0	6.0	0.35	PVC	0.070	100	■
	730	6.3 - 2.5	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	■
4-6	8503	4.8 - 2.5	0.8	4.8	23.0	7.5	0.45	PA	0.138	100	■
	750	6.3 - 6	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	■

>> Tool: see chart page 7.17



Receptacles

- DIN 46245, part 1 - 3 and similar versions
- material: CuZn, tin plated
- insulation sleeve: PVC



Cross section mm ²	Part No.	Nominal Size DIN	Tab Thickn.	Tab Width	Dimensions mm			Ins. Mat.	Weight/ 100 pcs. ~ kg	pcs.	Colour
					l1	l2	s				
0.5-1	720BZ	6.3 – 1	0.8	6.3	22	7.5	0.45	PVC	0.09	100	■
1.5-2.5	730BZ	6.3 – 2.5	0.8	6.3	21	7.4	0.45	PVC	0.09	100	■
4-6	750BZ	6.3 – 6	0.8	6.3	21	7.5	0.45	PVC	0.10	100	■

>> Tool: see chart page 7.17



Receptacles

- material: CuZn, tin plated
- insulation sleeve: PVC



Cross section mm ²	Part No.	Tab Thickn.	Tab Width	Dimensions mm				Ins. Mat.	Weight/ 100 pcs. ~ kg	pcs.	Colour
				l1	l2	l3	s				
0.5-1	720AZ	0.8	6.3	22	7.5	8	0.4	PVC	0.11	100	■
1.5-2.5	730AZ	0.8	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	■

>> Tool: see chart page 7.17



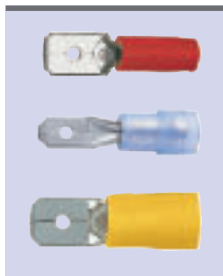
Receptacles

- with solid dielectric insulation
- material: CuZn, tin plated
- insulation sleeve: PA / PVC



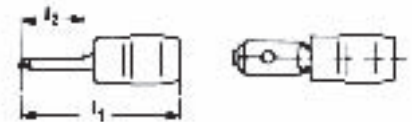
Cross section mm ²	Part No.	Tab Thickn.	Tab Width	Dimensions mm			Ins. Mat.	Weight/ 100 pcs. ~ kg	pcs.	Colour
				l1	l2	s				
0.5-1	8201V	0.5	2.8	19.0	5.5	0.25	PA	0.07	100	■
	8201AV	0.8	2.8	19.0	5.5	0.25	PA	0.07	100	■
	8202V	0.5	4.8	20.0	7.0	0.30	PVC	0.10	100	■
	8203V	0.8	4.8	20.0	7.0	0.30	PVC	0.10	100	■
	720V	0.8	6.3	21.0	7.5	0.45	PVC	0.08	100	■
1.5-2.5	8301V	0.5	2.8	20.0	8.0	0.35	PVC	0.14	100	■
	8301AV	0.8	2.8	20.0	8.0	0.35	PVC	0.14	100	■
	8302V	0.5	4.8	20.5	7.0	0.30	PVC	0.11	100	■
	8303V	0.8	4.8	20.5	7.0	0.30	PVC	0.11	100	■
	730V	0.8	6.3	21.0	7.5	0.45	PVC	0.09	100	■
4-6	8502V	0.5	4.8	20.5	9.5	0.40	PVC	0.15	100	■
	8503V	0.8	4.8	20.5	9.5	0.40	PVC	0.15	100	■
	750V	0.8	6.3	25.5	11.5	0.45	PVC	0.16	100	■

>> Tool: see chart page 7.17



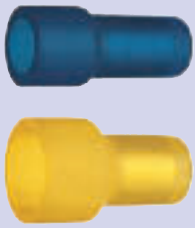
Tabs

- material: CuZn, tin plated
- insulation sleeve: PA / PVC

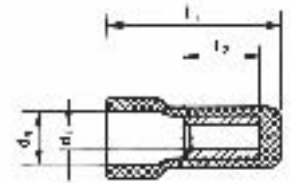


Cross section mm ²	Part No.	Tab Thickn.	Tab Width	Dimensions mm			Ins. Mat.	Weight/ 100 pcs. ~ kg	pcs.	Colour
				l1	l2	s				
0.5-1	8201C	0.5	2.8	22.0	11.5	0.4	PA	0.040	100	■
	8201B	0.8	2.8	14.6	5.5	0.4	PVC	0.060	100	■
	8202B	0.5	4.8	22.0	11.5	0.5	PA	0.070	100	■
	8203B	0.8	4.8	22.0	11.5	0.4	PA	0.070	100	■
	820	0.8	6.3	22.0	8.0	0.4	PVC	0.060	100	■
1.5-2.5	8302B	0.5	4.8	22.0	11.5	0.5	PA	0.070	100	■
	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	■
4-6	8502B	0.5	4.8	24.5	10.5	0.4	PA	0.120	100	■
	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	■

>> Tool: see chart page 7.17

**Closed end-splices**

- material: E-copper, tin plated
- insulation sleeve: PA, free of halide

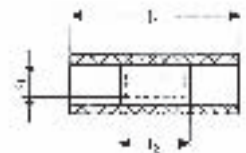


Cross section mm ²	Part No.	Dimensions mm					Weight/ 100 pcs. ~ kg	pcs.	Colour
		d1	d2	l1	l2	s			
1.5-2.5	1130	2.3	5.2	16	7	0.8	0.05	100	■
4-6	1150	3.6	7.0	18	7	1.0	0.14	100	■

>> Tool: see chart page 7.17

**Butt-connectors**

- material: E-copper, tin plated
- insulation sleeve: PA, free of halide

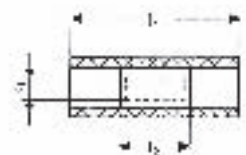


Cross section mm ²	Part No.	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.	Colour
		d1	l1	l2			
0.1-0.4	669	1.2	20	12	0.030	100	■
0.5-1	670	1.6	25	15	0.090	100	■
1.5-2.5	680	2.3	25	15	0.115	100	■
4-6	700	3.6	27	15	0.250	100	■

>> Tool: see chart page 7.17

**Butt-connectors**

- material: E-copper, tin plated
- with heat shrink insulation
- insulation sleeve: PE



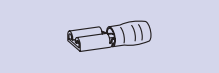
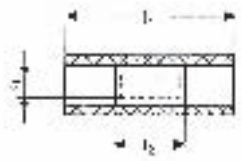
Cross section mm ²	Part No.	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.	Colour
		d1	l1	l2			
0.5-1	670WS	1.6	36	15	0.12	100	■
1.5-2.5	680WS	2.3	36	15	0.15	100	■
4-6	700WS	3.4	41	15	0.25	100	■

>> Tool: see chart page 7.17



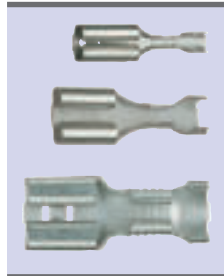
Parallel connectors

- material: E-copper, tin plated
- insulation sleeve: PA, free of halide



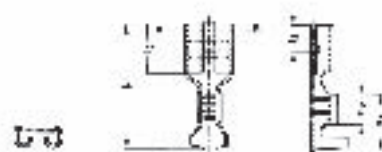
Cross section mm²	Part No.	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.	Colour
		d1	l1	l2			
0.1-0.4	769	1.2	13	5	0.020	100	Yellow
0.5-1	770	1.6	17	7	0.030	100	Red
1.5-2.5	780	2.3	17	7	0.035	100	Blue
4-6	790	3.6	21	7	0.105	100	Yellow

>> Tool: see chart page 7.17



Receptacles

- non insulated
- material: brass, tin plated
- DIN 46247, part 1 - 3 and similar versions



Cross section mm ²	Part No.	Nominal Size DIN	Tab Thickn.	Tab Width	Dimensions mm						Weight/ 100 pcs. ~ kg	pcs.
					l1	l2	l3	a1	a2	s		
0.1-0.25	1825	--	0.8	2.8	14.0	6.3	3.3	5.0	2.0	0.25	0.020	100
0.5-1	18251	--	0.5	2.8	12.5	5.0	3.3	5.0	2.8	0.30	0.025	100
	18251A	--	0.8	2.8	12.5	5.0	3.3	5.5	2.5	0.30	0.025	100
	18201	A 2.8 - 1	0.5	2.8	14.0	6.3	3.3	5.5	2.5	0.25	0.025	100
	18201A	B 2.8 - 1	0.8	2.8	14.0	6.3	3.3	5.5	2.5	0.25	0.025	100
	18202	--	0.5	4.8	15.6	6.0	3.8	6.0	3.4	0.35	0.050	100
	18203	4.8 - 1	0.8	4.8	15.6	6.0	3.8	6.0	3.4	0.35	0.050	100
	1720	6.3 - 1	0.8	6.3	19.0	7.4	4.0	8.5	4.5	0.45	0.085	100
1.5-2.5	18302		0.5	4.8	15.6	6.0	3.8	6.0	3.4	0.35	0.055	100
	18303	4.8 - 2.5	0.8	4.8	15.6	6.0	3.8	6.0	3.4	0.35	0.055	100
	*1730	6.3 - 2.5	0.8	6.3	19.0	7.4	4.0	8.5	4.5	0.45	0.082	100
4-6	*1750	6.3 - 6	0.8	6.3	19.0	7.4	4.0	8.5	4.5	0.45	0.100	100

* Parts also available in steel, nickel plated.

Part number for steel type appendix "ST"

>> Tool: see chart page 7.17



Receptacles

- non insulated
- material: brass, tin plated
- DIN 46247, part 1 - 3 and similar versions
- multiple type



Cross section mm ²	Part No.	Tab Thickn.	Tab Width	Dimensions mm						Weight/ 100 pcs. ~ kg	pcs.
				l1	l2	l3	a1	a2	s		
0.5-1	18203AZ	0.8	4.8	15.6	7	6.0	6.0	3.4	0.38	0.09	100
	1720AZ	0.8	**6.3	19.2	8	7.4	8.8	4.7	0.38	0.11	100
1.5-2.5	18303AZ	0.8	4.8	15.6	7	6.0	6.0	3.4	0.38	0.09	100
	1730AZ	0.8	**6.3	19.2	8	7.5	8.5	4.5	0.38	0.13	100

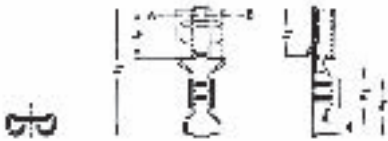
** according to DIN 46345

>> Tool: see chart page 7.17



Receptacles

- non insulated
- material: brass, tin plated
- with latch to engage in housing
- DIN 46340, sheet 3



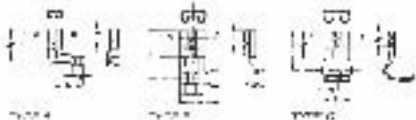
Cross section mm²		Tab Thickn.	Tab Width	Dimensions mm						Weight/ 100 pcs. ~ kg	
	Part No.			l1	l2	l3	a1	a2	s		
0.5-1	2720	0.8	6.3	19.2	7.4	7	8.5	4.5	0.38	0.070	100
1.5-2.5	2730	0.8	6.3	19.2	7.4	7	8.5	4.5	0.38	0.075	100
4-6	2750	0.8	6.3	19.2	7.4	7	8.5	4.5	0.38	0.090	100

>> Tool: see chart page 7.17



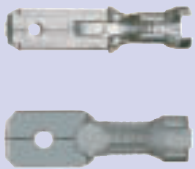
Receptacles

- flag type
- material: brass, tin plated



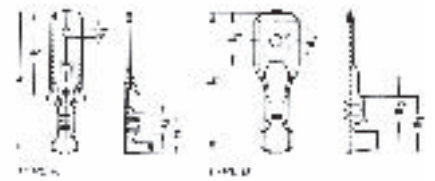
Cross section mm²	Part No.	Type	Tab Thickn.	Tab Width	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.
					l1	l2	l3	l4	a1	a2	s		
0.5-1	38201	A	0.5	2.8	7.85	5.0	-	7.2	-	2.5	0.30	0.030	100
	38201A	A	0.8	2.8	7.85	5.0	3.3	7.2	--	2.5	0.30	0.030	100
0.5-1	3720	B	0.8	6.3	12.50	7.4	4.0	7.2	11.0	3.0	0.38	0.080	100
0.5-1.5	3725	C	0.8	6.3	11.00	7.4	4.0	7.2	7.5	4.0	0.45	0.085	100
1.5-2.5	3735	B	0.8	6.3	13.50	7.0	4.0	7.2	11.0	3.0	0.38	0.085	100

>> Tool: see chart page 7.17



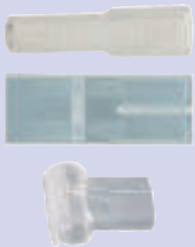
Tabs

- non insulated
- material: brass, tin plated



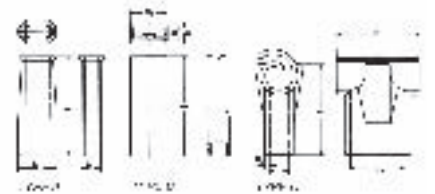
Cross section mm ²	Part No.	Nominal Size DIN	Type	Tab Thickn.	Tab Width	Dimensions mm					Weight/ 100 pcs. ~ kg	pcs.
						d2	l1	l2	a1	a2		
0.5-1	2235	DIN 46244	A	0.8	2.8	1.30	22.5	12.7	6.0	3.2	0.045	100
	2220	DIN 46343 B 6.3 – 1 part 3	A	0.8	6.3	1.65	28.0	16.0	8.2	4.0	0.085	100
	1820	DIN 46248 A 6.3 – 1 part 3	B	0.8	6.3	1.65	20.0	8.0	8.2	4.6	0.060	100
1.5-2.5	1830	DIN 46248 A 6.3 – 2.5 part 3	B	0.8	6.3	1.65	20.0	8.0	9.0	4.5	0.065	100
	2230	DIN 46343 B 6.3 – 2.5 part 3	A	0.8	6.3	1.65	28.0	16.0	8.2	4.0	0.090	100
4-6	1850	DIN 46248 A 6.3 – 6 part 3	B	0.8	6.3	1.65	20.0	8.0	8.5	4.6	0.080	100
	2250	DIN 46343 B 6.3 – 6 part 3	A	0.8	6.3	1.65	28.0	16.0	8.2	4.0	0.100	100

>> Tool: see chart page 7.17



Insulation caps

- for non insulated tabs

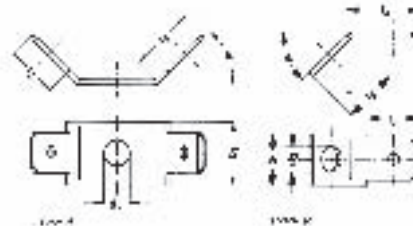


Cross section mm ²	Part No.	Nominal Size DIN	for Part No.	Type	Dimensions mm			Ins. Mat.	Weight/ 100 pcs. ~ kg	pcs.	Colour
					l	b1	h1				
0.5-1	2755	2.8	1825,18251,18251A, 18201,18201A	A	20.0	6.5	4.0	PE	0.015	100	☐
0.5-1.5	2760	4.8	18202,18203	A	20.0	7.0	5.0	PE	0.015	100	☐
1.5-2.5	2765	4.8	18302,18303	A	20.0	9.5	5.5	PE	0.025	100	☐
0.5-2.5	2770	6.3	1720,1730	A	23.0	12.5	8.5	PE	0.035	100	☐
	2775	6.3	1820,1830	A	25.0	9.5	5.0	PE	0.030	100	☐
0.5-4	2780	6.3	1720,1730,1820,1830	A	25.0	9.5	6.0	PE	0.030	100	☐
0.5-6	2785		1720,1730,1750,2720, 2730,2750	B	24.5	9.2	5.6	PA	0.055	100	☐
	2790		3720,3725,3735	C	15.0	13.5	3.1	PVC	0.060	100	☐



Tabs

- material: brass, tin plated
- DIN 46342, part 1 and similar versions
- dimensions in the plug sector according to DIN 46244



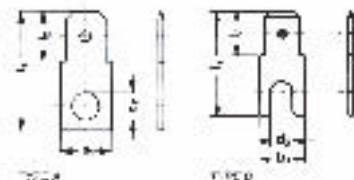
Part No.	Nominal Size DIN	Type	Tab Thickn.	Tab Width	Dimensions mm						Weight/ 100 pcs. ~ kg	pcs.
					d2	l2	l3	l4	b1	w		
2040	--	A	0.8	2.8	3.2	5.5	6.5	--	5.0	60°	0.040	100
2045	--	A	0.8	6.3	4.3	8.0	10.0	--	10.0	45°	0.160	100
2050	B 4.8 - 0.8	B	0.8	4.8	3.2	7.0	--	7.5	6.5	45°	0.060	100
2060	--	B	0.8	6.3	4.3	8.0	8.0	10.7	8.0	30°	0.085	100
2070	--	B	0.8	6.3	3.2	8.0	8.0	10.7	8.0	45°	0.085	100
2075	--	B	0.8	6.3	4.1	8.0	8.0	10.7	8.0	45°	0.085	100
2080	B 6.3 - 0.8	B	0.8	6.3	4.3	8.0	8.5	10.7	8.0	45°	0.085	100
2083	--	B	0.8	6.3	5.3	8.0	8.5	10.7	8.0	45°	0.080	100
2090	--	B	0.8	6.3	5.3	8.0	8.0	10.7	8.0	45°	0.080	100
2100	--	B	0.8	6.3	2.5	8.0	5.7	11.5	7.5	90°	0.075	100
2105	--	B	0.8	6.3	3.2	8.0	8.0	11.5	8.0	90°	0.085	100
2110	--	B	0.8	6.3	4.0	8.0	8.0	11.5	8.0	90°	0.080	100
2115	C 6.3 - 0.8	B	0.8	6.3	4.3	8.0	8.0	11.5	8.0	90°	0.090	100

* nickel plated

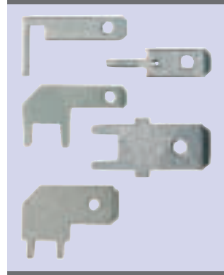


Tabs

- material: brass, tin plated
- dimensions in the plug sector according to DIN 46244



Part No.	Nominal Size DIN	Type	Tab Thickn.	Tab Width	Dimensions mm						Weight/ 100 pcs. ~ kg	pcs.
					d2	l1	l2	b1	s			
2120	--	A	0.5	2.8	2.2	13.0	5.5	4.5	0.5		0.019	100
2123	--	A	0.8	2.8	3.1	13	5.5	4.5	0.8		0.028	100
2130BK	A 4.8 - 0.8	A	0.8	4.8	3.2	17.5	7.0	6.5	0.8		0.060	100
2135	--	A	0.8	6.3	3.2	19.0	8.0	8.0	0.8		0.085	100
2140	A 6.3 - 0.8	A	0.8	6.3	4.3	19.0	8.0	8.0	0.8		0.086	100
2145	--	A	0.8	6.3	5.3	19.0	8.0	8.0	0.8		0.080	100
2150	--	B	0.8	6.3	4.0	19.0	8.0	8.0	0.8		0.075	100



Tabs

- for soldering in printed circuits
- dimensions in the plug sector according to DIN 46244
- material: brass, tin plated

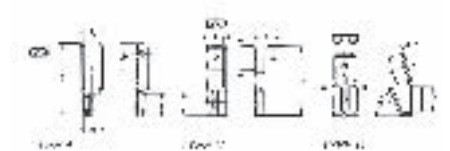


Part No.	Type	Tab Thickn.	Tab Width	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.
				l1	l2	l3	l4	b1	b2	b3	s		
2010	A	0.8	2.8	10.5	6.5	--	--	--	--	--	0.8	0.015	100
2015	B	0.8	2.8	--	9.7	7	12.5	--	--	--	0.8	0.025	100
2020	C	0.5	2.8	--	7.1	8	13.4	1.0	5	--	0.5	0.025	100
2025	C	0.8	2.8	--	7.1	8	13.4	1.0	5	--	0.8	0.040	100
2030	D	0.8	6.3	16.5	8.0	4	--	3.5	5	6.4	0.8	0.065	100
2035	E	0.8	6.3	16.0	8.0	3	12.0	3.8	5	6.2	0.8	0.085	100



Multiple tabs

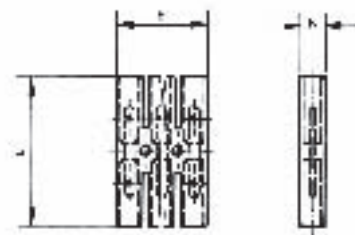
- material: brass, tin plated
- dimensions in the plug sector according to DIN 46244



Part No.	Type	Tab Thickn.	Tab Width	Dimensions mm									Weight/ 100 pcs. ~ kg	pcs.
				l1	l2	l3	a1	b2	b3	h	w	s		
735	A	0.8	2.8	16.0	6.7	--	5	3.2	3.1	--	--	0.38	0.060	100
755	C	0.8	4.8	20.0	7.0	7.0	--	4.4	--	8.0	--	0.38	0.155	100
725	D	0.8	6.3	--	8.0	7.5	--	--	--	--	15°	0.38	0.115	100
775	C	0.8	6.3	20.5	12	7.5	--	--	--	9.6	--	0.38	0.200	100

**Flexible connectors**

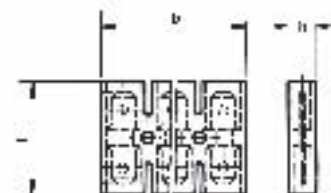
- with tabs 2.8 x 0.8 mm
- 1-, 2- and 12-poles
- further poles on request



Part No.	Tab Thickn.	Tab Width	Poles	Dimensions mm				Ins. Mat.	Fixing holes mm		Weight/ 100 pcs. ~ kg	pcs.	Colour
				l	b	h	s		Distance	Ø			
8101	0.8	2.8	1	35	7.5	5.5	0.8	PVC	--	--	0.2	100	☐
8102	0.8	2.8	2	35	15.0	5.5	0.8	PVC	0	2.7	0.3	50	☐
81012	0.8	2.8	12	35	88.0	5.5	0.8	PVC	75	2.7	1.6	10	☐

**Flexible connectors**

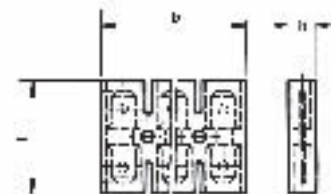
- with tabs 4.8 x 0.8 mm
- 1-, 2- and 12-poles
- further poles on request



Part No.	Tab Thickn.	Tab Width	Poles	Dimensions mm				Ins. Mat.	Fixing holes mm		Weight/ 100 pcs. ~ kg	pcs.	Colour
				l	b	h	s		Distance	Ø			
8051	0.8	4.8	1	28	12.5	6.6	0.8	PVC	--	--	0.25	100	☐
8052	0.8	4.8	2	28	25.0	6.6	0.8	PVC	--	3.2	0.50	50	☐
80512	0.8	4.8	12	28	142.0	6.6	0.8	PVC	120	3.2	2.80	10	☐

**Flexible connectors**

- with tabs 6.3 x 0.8 mm
- 1-, 2- and 12-poles
- further poles on request

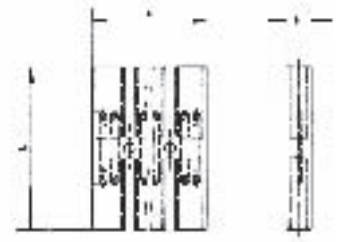


Part No.	Tab Thickn.	Tab Width	Poles	Dimensions mm				Ins. Mat.	Fixing holes mm		Weight/ 100 pcs. ~ kg	pcs.	Colour
				l	b	h	s		Distance	Ø			
8001	0.8	6.3	1	28	12.5	6.6	0.8	PVC	--	--	0.30	100	☐
8002	0.8	6.3	2	28	25.0	6.6	0.8	PVC	--	3.7	0.55	50	☐
80012	0.8	6.3	12	28	142.0	6.6	0.8	PVC	120	3.7	3.20	10	☐



Polyamid connectors

- with tabs 2.8 x 0.8 mm and 6.3 x 0.8 mm
- 1-, 2- and 12-poles
- further poles on request

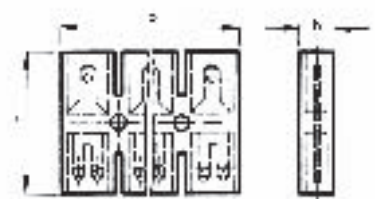


Part No.	Tab Thickn.	Tab Width	Poles	Dimensions mm				Ins. Mat.	Fixing holes mm		Weight/ 100 pcs. ~ kg	pcs.	Colour
				l	b	h	s		Distance	Ø			
8011	0.8	6.3 and 2 x 2.8	1	50	10.0	7.5	0.8	Polyamid	--	--	0.25	100	☐
8012	0.8	6.3 and 2 x 2.8	2	50	22.5	7.5	0.8	Polyamid	--	3.1	0.50	50	☐
80112	0.8	6.3 and 2 x 2.8	12	50	147.5	7.5	0.8	Polyamid	125	3.1	3.10	10	☐



Flexible circuit distributors

- with tabs 2.8 x 0.8 mm
- 1-, 2- and 12-poles
- further poles on request

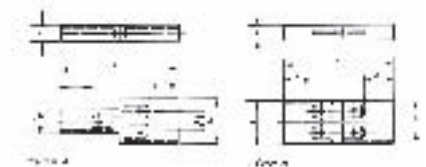


Part No.	Tab Thickn.	Tab Width	Poles	Dimensions mm				Ins. Mat.	Fixing holes mm		Weight/ 100 pcs. ~ kg	pcs.	Colour
				l	b	h	s		Distance	Ø			
8151	0.8	2.8	1	28	12.5	7	0.8	PVC	--	--	0.25	100	☐
8152	0.8	2.8	2	28	25.0	7	0.8	PVC	--	3.2	0.50	50	☐
81512	0.8	2.8	12	28	147.0	7	0.8	PVC	123	3.2	2.80	10	☐



Flexible circuit distributors

- with tabs 6.3 x 0.8 mm
- 1-, 2- and 12-poles



Part No.	Type	Tab Thickn.	Tab Width	Dimensions mm							Ins. Mat.	Weight/ 100 pcs. ~ kg	pcs.	Colour
				l	l1	b	b1	b2	h	s				
816	A	0.8	6.3	53	15	21	11.3	9	7.5	0.8	PVC	0.60	10	☐
817	B	0.8	6.3	51	13	20	11.3	9	7.0	0.8	PVC	0.65	10	☐

Insulated cable connections

• Catalogue pages 7.2 - 7.9



Range: mm ²	Tools	M	M+	H	H+	Crimping profile	Catalogue page
0.1-1	K80	•				○	9.6
	KP1 +KP80	•				○	9.16
	KP1L +KP80	•				○	9.17
	EKP1 +KP80			•		○	10.14
	TEKP1 +KP80			•		○	10.42
0.5-2.5	K81	•				○	9.7
	KP1 +KP81	•				○	9.16
	KP1L +KP81	•				○	9.17
	EKP1 +KP81			•		○	10.14
	TEKP1 +KP81			•		○	10.42
0.5-6	K10	•				○	9.6
	K14	•				○	9.6
	K15	•				○	9.6
	K50	•				○	9.19
	EK1550			•		○	10.12
	EK1550G			•		○	10.13
	K82	•				○	9.7
	K85	•				○	9.7
4-6	KP1 +KP83	•				○	9.16
	KP1L +KP83	•				○	9.17
	EKP1 +KP83			•		○	10.14
	TEKP1 +KP83			•		○	10.42

But connectors
with heat shrink insulation

• Catalogue page 7.8



Range: mm ²	Tools	M	M+	H	H+	Crimping profile	Catalogue page
0.5-6	K50		•			○	9.19
	EK1550			•		○	10.12
	EK1550G			•		○	10.13

Non insulated receptacles,
straight

• Catalogue pages 7.10 - 7.11



Range: mm ²	Tools	M	M+	H	H+	Crimping profile	Catalogue page
0.1-1	K572	•				○	9.8
	K67	•				○	9.8
0.1-6	K50		•			○	9.19
	EK1550			•		○	10.12
	EK1550G			•		○	10.13
0.5-2.5	K582	•				○	9.8
	K65	•				○	9.8
	K68	•				○	9.9
0.5-6	K592	•				○	9.9
	K60	•				○	9.8
	K62	•				○	9.9

Non insulated receptacles,
angled

• Catalogue page 7.11



Part No.	Tools	M	M+	H	H+	Crimping profile	Catalogue page
3820/1 /1A	K50		•			○	9.19
	EK1550			•		○	10.12
	EK1550G			•		○	10.13
3720 3735	K50		•			○	9.19
	EK1550			•		○	10.12
	EK1550G			•		○	10.13
	K63	•				○	9.9
	SKP6		•			○	9.18
3725	K50		•			○	9.19
	EK1550			•		○	10.12
	EK1550G			•		○	10.13
	K64	•				○	9.9
	SKP6		•			○	9.18

M mechanical tools,
without interchangeable dies

M+ mechanical tools,
with interchangeable dies

H hydraulic tools, hand-operated

H+ battery powered and
mains operated tools

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



Display boards	8.2
Assortment boxes with tubular und compression cable lugs	8.3
Pocket boxes with cable end-sleeves	8.4
Pocket boxes with insulated cable end-sleeves	8.5
Assortment boxes with cable end-sleeves	8.7
Assortment boxes with insulated cable end-sleeves	8.8
Assortment boxes with insulated terminals	8.9
Steel carrying cases, empty	8.11

Display boards



- Dimensions and contents on request

SK65B



- steel carrying case
- with lock and handle
- crimping tool K05, tubular cable lugs

25 pcs	1R6	6 mm ²
	1R8	6 mm ²
	2R6	10 mm ²
	2R8	10 mm ²
	3R8	16 mm ²
	3R10	16 mm ²
	4R8	25 mm ²
	4R10	25 mm ²
20 pcs	5R8	35 mm ²
	5R10	35 mm ²
	6R10	50 mm ²
	6R12	50 mm ²

Part No. **SK65B**

Dimensions: 400 x 250 x 50 mm

- Steel carrying case, empty

Part No. **SK65L**

SK50B



- DIN 46235
- steel carrying case
- with lock and handle
- crimping tool K05D, compression cable lugs

50 pcs	101R5	6 mm ²
	101R6	6 mm ²
	102R5	10 mm ²
	102R6	10 mm ²
25 pcs	103R8	16 mm ²
	103R10	16 mm ²
	104R8	25 mm ²
	104R10	25 mm ²
20 pcs	105R8	35 mm ²
	105R10	35 mm ²
15 pcs	106R10	50 mm ²
	106R12	50 mm ²

Part No. **SK50B**

Dimensions: 400 x 250 x 50 mm

- Steel carrying case, empty

Part No. **SK65L**

**ST21B**

- cable end-sleeves non insulated

1000 pcs	71S6V	0.5 mm ²
500 pcs	716V	0.75 mm ²
	72S6V	1 mm ²
	727V	1.5 mm ²
	737V	2.5 mm ²

Part No. **ST21B**

- Pocket box, empty

Part No. **ST21L****ST23B**

- cable end-sleeves non insulated

1000 pcs	695V	0.25 mm ²
	705V	0.34 mm ²
	71S6V	0.5 mm ²
500 pcs	716V	0.75 mm ²
	72S6V	1 mm ²

Part No. **ST23B**

- Pocket box, empty

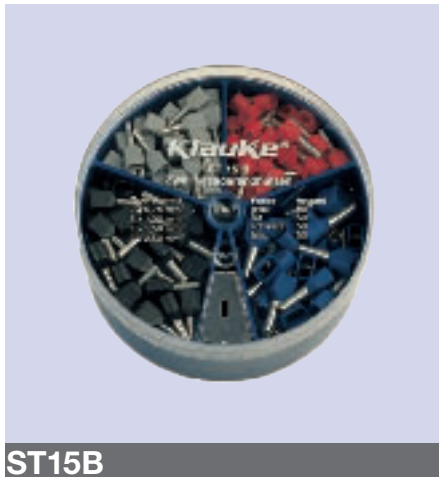
Part No. **ST23L****ST22B**

- cable end-sleeves non insulated

200 pcs	749V	4 mm ²
100 pcs	7512V	6 mm ²
70 pcs	7612V	10 mm ²
	7712V	16 mm ²

Part No. **ST22B**

- Pocket box, empty

Part No. **ST22L****ST15B**

- insulated twin-cable end-sleeves

50 pcs	8708	grey	0.75 mm ²
	8718	red	1 mm ²
	8728	black	1.5 mm ²
	87310	blue	2.5 mm ²

Part No. **ST15B**

- Pocket box, empty

Part No. **ST15L****ST5L**

- assortment of empty pocket boxes

Part No. **ST5L**

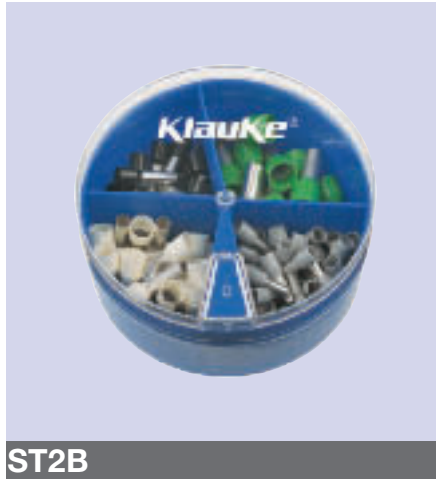
**ST1B**

- insulated cable end-sleeves

50 pcs	169O	orange	0.5 mm ²
100 pcs	170W	white	0.75 mm ²
	171G	yellow	1 mm ²
	172RO	red	1.5 mm ²
50 pcs	173B	blue	2.5 mm ²

Part No. **ST1B**

- Pocket box, empty

Part No. **ST1L****ST2B**

- insulated cable end-sleeves

50 pcs	174GR	grey	4 mm ²
20 pcs	175S	black	6 mm ²
	176E	ivory	10 mm ²
10 pcs	177GR	green	16 mm ²

Part No. **ST2B**

- Pocket box, empty

Part No. **ST2L****ST3B**

- insulated cable end-sleeves

30 pcs	167H	light blue	0.25 mm ²
	168T	türkis	0.34 mm ²
	169O	orange	0.5 mm ²
	170W	white	0.75 mm ²
	171G	yellow	1 mm ²

Part No. **ST3B**

- Pocket box, empty

Part No. **ST3L****ST11B**

- insulated cable end-sleeves
- DIN 46228, part 4

50 pcs	4698	white	0.5 mm ²
100 pcs	4708	grey	0.75 mm ²
	4718	red	1 mm ²
	4728	black	1.5 mm ²
50 pcs	4738	blue	2.5 mm ²

Part No. **ST11B**

- Pocket box, empty

Part No. **ST11L****ST12B**

- insulated cable end-sleeves
- DIN 46228, part 4

50 pcs	47410	grey	4 mm ²
20 pcs	47512	yellow	6 mm ²
	47612	red	10 mm ²
10 pcs	47712	blue	16 mm ²

Part No. **ST12B**

- Pocket box, empty

Part No. **ST12L****ST13B**

- insulated cable end-sleeves
- DIN 46228, part 4

30 pcs	167H	light blue	0.25 mm ²
	168T	türkis	0.34 mm ²
	4698	white	0.5 mm ²
	4708	grey	0.75 mm ²
	4718	red	1 mm ²

Part No. **ST13B**

- Pocket box, empty

Part No. **ST13L****ST31B**

- insulated cable-end sleeves

50 pcs	1698	white	0.5 mm ²
100 pcs	1708	blue	0.75 mm ²
	1718	red	1 mm ²
	1728	black	1.5 mm ²
50 pcs	1738	grey	2.5 mm ²

Part No. **ST31B**

- Pocket box, empty

Part No. **ST31L****ST32B**

- insulated cable end-sleeves

50 pcs	17410	orange	4 mm ²
20 pcs	17512	green	6 mm ²
	17612	brown	10 mm ²
10 pcs	17712	ivory	16 mm ²

Part No. **ST32B**

- Pocket box, empty

Part No. **ST32L****ST33B**

- insulated cable end-sleeves

30 pcs	1676	light yellow	0.25 mm ²
	1686	light green	0.34 mm ²
	1698	white	0.5 mm ²
	1708	blue	0.75 mm ²
	1718	red	1 mm ²

Part No. **ST33B**

- Pocket box, empty

Part No. **ST33L**

GR4698DO



- insulated cable end-sleeves
- DIN 46228, part 4

1000 pcs 4698 white 0.5 mm²

Part No. **GR4698DO**

GR4708DO



- insulated cable end-sleeves
- DIN 46228, part 4

1000 pcs 4708 grey 0.75 mm²

Part No. **GR4708DO**

GR4718DO



- insulated cable end-sleeves
- DIN 46228, part 4

1000 pcs 4718 red 1 mm²

Part No. **GR4718DO**

GR4728DO



- insulated cable end-sleeves
- DIN 46228, part 4

1000 pcs 4728 black 1.5 mm²

Part No. **GR4728DO**

GR4738DO



- insulated cable end-sleeves
- DIN 46228, part 4

1000 pcs 4738 blue 2.5 mm²

Part No. **GR4738DO**

SK30B



- crimping tool K48
- cable end-sleeves non insulated

1000 pcs	716V	0.75 mm²
	72S6V	1 mm²
	727V	1.5 mm²
	737V	2.5 mm²

Part No. **SK30B**
Dimensions: 200 x 140 x 40 mm
• Steel carrying case, empty
Part No. **SK30L**

SK32B



- crimping tool K3
- cable end-sleeves non insulated

1000 pcs	716V	0.75 mm²
	72S6V	1 mm²
	727V	1.5 mm²
500 pcs	737V	2.5 mm²
	749V	4 mm²
	7510V	6 mm²
250 pcs	7618V	10 mm²
150 pcs	7718V	16 mm²

Part No. **SK32B**
Dimensions: 285 x 155 x 45 mm
• Steel carrying case, empty
Part No. **SK32L**

SK45B



- crimping tool K48
- insulated cable end-sleeves
- DIN 46228, part 4

300 pcs	4708	grey	0.75 mm²
	4718	red	1 mm²
	4728	black	1.5 mm²
200 pcs	4738	blue	2.5 mm²

Part No. **SK45B**
Dimensions: 200 x 140 x 40 mm
• Steel carrying case, empty
Part No. **SK30L**

SK47B



- steel carrying case
- crimping tool K3
- insulated cable end-sleeves
- DIN 46228, part 4

200 pcs	4708	grey	0.75 mm ²
	4718	red	1 mm ²
	4728	black	1.5 mm ²
	4738	blue	2.5 mm ²
100 pcs	47410	grey	4 mm ²
	47512	yellow	6 mm ²
	47618	red	10 mm ²
50 pcs	47718	blue	16 mm ²

Part No. **SK47B**

Dimensions: 285 x 155 x 45 mm

- Steel carrying case, empty

Part No. **SK32L**

SK43B



- steel carrying case
- stripping tool K41
- and crimping tool K32
- insulated cable end-sleeves and twin cable end-sleeves

500 pcs	4708	grey	0.75 mm ²
	4718	red	1 mm ²
	4728	black	1.5 mm ²
300 pcs	4738	blue	2.5 mm ²
200 pcs	8708	grey	0.75 mm ²
	8718	red	1 mm ²
	8728	black	1.5 mm ²
100 pcs	87310	blue	2.5 mm ²

Part No. **SK43B**

Dimensions: 370 x 210 x 40 mm

- Steel carrying case, empty

Part No. **SK43L**

SK303P



- plastic carrying case
- stripping tool K432
- and crimping tool K303
- pocket boxes with insulated cable end-sleeves
- DIN 46228, part 4

400 pcs	4698	white	0.5 mm ²
	4708	grey	0.75 mm ²
400 pcs	4718	red	1 mm ²
	4728	black	1.5 mm ²
200 pcs	4738	blue	2.5 mm ²
	47410	grey	4 mm ²
100 pcs	47512	yellow	6 mm ²
	47612	red	10 mm ²

Part No. **SK303P**

Dimensions: 395 x 295 x 106 mm

SK303S



- plastic carrying case
- crimping tool K303
- pocket boxes with insulated cable end-sleeves
- DIN 46228, part 4

100 pcs	4698	white	0.5 mm ²
	4708	grey	0.75 mm ²
	4718	red	1 mm ²
	4728	black	1.5 mm ²
50 pcs	4738	blue	2.5 mm ²
	47410	grey	4 mm ²
30 pcs	47512	yellow	6 mm ²
	47612	red	10 mm ²

Part No. **SK303S**

Dimensions: 275 x 230 x 83 mm

MK210B



- steel carrying case
- crimping tool K10
- terminals insulated

50 pcs	620C4	red	0.5-1 mm²
	6305	blue	1.5-2.5 mm²
	710	blue	1.5-2.5 mm²
25 pcs	6505	yellow	4-6 mm²

Part No. **MK210B**

Dimensions: 250 x 155 x 40 mm

- Steel carrying case, empty

Part No. **MK210L**

MK220B



- steel carrying case
- crimping tool K10
- terminals insulated

50 pcs	6205	red	0.5-1 mm²
	6305	blue	1.5-2.5 mm²
	620C4	red	0.5-1 mm²
	630C4	blue	1.5-2.5 mm²
	705	red	0.5-1 mm²
	710	blue	1.5-2.5 mm²
25 pcs	6505	yellow	4-6 mm²
	715	yellow	4-6 mm²

Part No. **MK220B**

Dimensions: 370 x 160 x 40 mm

- Steel carrying case, empty

Part No. **MK220L**

MK230B



- steel carrying case
- crimping tool K10
- terminals insulated

50 pcs	6204	red	0.5-1 mm²
	6205	red	0.5-1 mm²
	6206	red	0.5-1 mm²
	6304	blue	1.5-2.5 mm²
	6305	blue	1.5-2.5 mm²
	6306	blue	1.5-2.5 mm²
	670	red	0.5-1 mm²
	680	blue	1.5-2.5 mm²
	705	red	0.5-1 mm²
	710	blue	1.5-2.5 mm²
	730	blue	1.5-2.5 mm²
	830	blue	1.5-2.5 mm²
	620C4	red	0.5-1 mm²
	630C4	blue	1.5-2.5 mm²
25 pcs	715	yellow	4-6 mm²
	700	yellow	4-6 mm²
	6505	yellow	4-6 mm²
	6506	yellow	4-6 mm²
	650C6	yellow	4-6 mm²

Part No. **MK230B**

Dimensions: 366 x 230 x 51 mm

- Steel carrying case, empty

Part No. **MK230L**

SK82S



- plastic carrying case
- crimping tool K82
- pocket boxes with insulated terminals

20 pcs	6204	red	0.5-1 mm ²
	6205	red	0.5-1 mm ²
	670	red	0.5-1 mm ²
	720	red	0.5-1 mm ²
20 pcs	6304	blue	1.5-2.5 mm ²
	6305	blue	1.5-2.5 mm ²
	680	blue	1.5-2.5 mm ²
	730	blue	1.5-2.5 mm ²

Part No. **SK82S**

Dimensions: 275 x 230 x 83 mm

SK82P



- plastic carrying case
- crimping tool K82 and automatic wire stripping tool K41
- pocket boxes with insulated terminals

50 pcs	6204	red	0.5-1 mm ²
	6205	red	0.5-1 mm ²
	670	red	0.5-1 mm ²
	720	red	0.5-1 mm ²
50 pcs	6304	blue	1.5-2.5 mm ²
	6305	blue	1.5-2.5 mm ²
	680	blue	1.5-2.5 mm ²
	730	blue	1.5-2.5 mm ²
20 pcs	6505	yellow	4-6 mm ²
	6506	yellow	4-6 mm ²
	700	yellow	4-6 mm ²
	715	yellow	4-6 mm ²
20 pcs	620C4	red	0.5-1 mm ²
	710	blue	1.5-2.5 mm ²
	705	red	0.5-1 mm ²
	630C4	blue	1.5-2.5 mm ²

Part No. **SK82P**

Dimensions: 395 x 295 x 106 mm

SK30L

- for optional storage of crimping tools type K1, K4, K46 and K48
- 4 additional compartments
- with lock

Part No. **SK30L**
 Dimensions: 200 x 140 x 40 mm
 Weight: 1.2 kg

SK4L

- for optional storage of crimping tools type K02, K2, K16, K25, K28 and K29
- 6 additional compartments
- with lock

Part No. **SK4L**
 Dimensions: 370 x 160 x 40 mm
 Weight: 1.4 kg

MK55

- for storage of crimping tool K50
- 8 additional compartments for dies
- with lock

Part No. **MK55**
 Dimensions: 245 x 130 x 37 mm
 Weight: 0.7 kg

SK32L

- for optional storage of crimping tools type K3 and K35
- 8 additional compartments
- with lock

Part No. **SK32L**
 Dimensions: 285 x 155 x 45 mm
 Weight: 1.3 kg

SK43L

- for storage of crimping tool type K32 and stripping tool K40
- 8 additional compartments
- with lock

Part No. **SK43L**
 Dimensions: 370 x 210 x 40 mm
 Weight: 1.9 kg

MK210L

- for storage of crimping tool type K10
- 4 additional compartments
- with lock

Part No. **MK210L**
 Dimensions: 250 x 155 x 40 mm
 Weight: 1.0 kg

MK230L

- for storage of crimping tool type K10
- 19 additional compartments
- with lock and handle

Part No. **MK230L**
 Dimensions: 366 x 230 x 51 mm
 Weight: 2.4 kg

SK95L

- for storage of crimping tool type K08
- 6 additional compartments
- with lock and handle

Part No. **SK95L**
 Dimensions: 550 x 300 x 65 mm
 Weight: 3.7 kg

MK220L

- for storage of crimping tool type K10
- 8 additional compartments
- with lock

Part No. **MK220L**
 Dimensions: 370 x 160 x 40 mm
 Weight: 1.4 kg

SK65L

- for storage of crimping tool type K05
- 12 additional compartments
- with lock and handle

Part No. **SK65L**
 Dimensions: 400 x 250 x 50 mm
 Weight: 2.3 kg

SK120L

- for optional storage of crimping tools type K06, K09 or cable cutter K1051
- 8 additional compartments
- with lock and handle

Part No. **SK120L**
 Dimensions: 680 x 265 x 65 mm
 Weight: 4.7 kg

MK18

- for storage of crimping tool K18 and 34 additional compartments for dies
- with lock and handle

Part No. **MK18**
 Dimensions: 605 x 300 x 50 mm
 Weight: 4.6 kg

MK17

- for storage of crimping tool K354 and 12 pairs of crimping dies
- with lock and handle

Part No. **MK17**
 Dimensions: 415 x 250 x 68 mm
 Weight: 3.0 kg

MKU

- for storage of hydraulic crimping tools HK122, HK252, HK45, and for hydraulic cutting tools K502 and K202
- with additional compartments for dies, with lock and handle

Part No. **MKU**
 Dimensions: 810 x 310 x 210 mm
 Weight: 10.0 kg

MK22

- for storage of crimping tool K22 and 17 additional compartments for dies
- with lock and handle

Part No. **MK22**
 Dimensions: 600 x 220 x 65 mm
 Weight: 3.5 kg

MKKP1

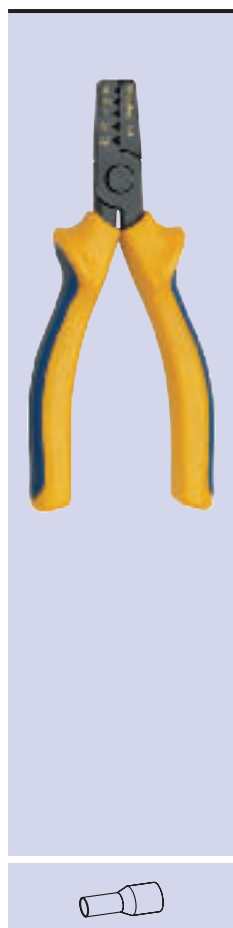
- for storage of crimping tools KP1 and KP1L and 10 crimping heads of the Klauke Pro Series
- plastic carrying case
- with lock and handle

Part No. **MKKP1**
 Dimensions: 395 x 295 x 106 mm
 Weight: 1.1 kg

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



Crimping tools for cable end-sleeves and twin cable end-sleeves	9.2
Crimping tools for insulated cable connections	9.6
Crimping tools for non-insulated tabs and receptacles	9.8
Mechanical crimping tools with built-in dies	9.10
Klauke Pro-Series	9.16
Mechanical crimping tools for interchangeable dies	9.19
Wire strippers	9.23
Mechanical hand-operated cable cutters for Cu and Al cables	9.24

**K4**

- indent crimping
- lateral insertion

Range: 0.5-2.5 mm²

Length: 150 mm

Weight: 0.16 kg

Part No. **K4**

K46

- indent crimping
- lateral insertion

Range: 1.5-6 mm²

Length: 150 mm

Weight: 0.16 kg

Part No. **K46**

**K35**

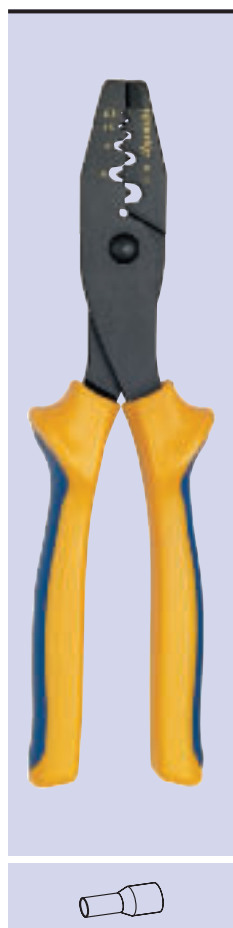
- indent crimping
- lateral insertion

Range: 10-35 mm²

Length: 230 mm

Weight: 0.24 kg

Part No. **K35**

**K3**

- indent crimping
- lateral insertion

Range: 0.5-16 mm²

Length: 230 mm

Weight: 0.24 kg

Part No. **K3**

**K66**

- roll-crimping
- lateral insertion
- with ratchet
- for cable end-sleeves
DIN 46228, sheet 2
- stripping and crimping
in one step

Range: 0.5-2.5 mm²

Length: 240 mm

Weight: 0.65 kg

Part No. **K66**

K1

- trapezoid crimping
- lateral insertion
- with wire stripper and cutter

Range: 0.14-2.5 mm²

Length: 175 mm

Weight: 0.19 kg

Part No. **K1**

K36

- trapezoid crimping
- front insertion
- two crimping profiles

Range:

Profil 1:

Cable end-sleeves: 0.5-2.5 mm²

Twin-cable end-sleeves: 2 x 0.5-2 x 1.5 mm²

Profil 2:

Cable end-sleeves: 4-6 mm²

Twin-cable end-sleeves: 2 x 2.5-2 x 4 mm²

Length: 200 mm

Weight: 0.22 kg

Part No. **K36**

K48

- trapezoid crimping
- lateral insertion

Range: 0.14-2.5 mm²

Length: 150 mm

Weight: 0.16 kg

Part No. **K48**

K32

- trapezoid crimping
- front insertion
- with ratchet

Range:

Cable end-sleeves: 0.14-6 mm²

Twin-cable end-sleeves: 2 x 0.5-2 x 2.5 mm²

Length: 210 mm

Weight: 0.35 kg

Part No. **K32**

K34

- front insertion
- similar to K32

Range:

Cable end-sleeves: 6-16 mm²

Twin-cable end-sleeves: 2 x 4-2 x 6 mm²

Length: 210 mm

Weight: 0.5 kg

Part No. **K34**

K37

- trapezoid crimping
- lateral insertion
- with ratchet

Range: 0.14-6 mm²

Length: 200 mm

Weight: 0.36 kg

Part No. **K37**

K39

- trapezoid crimping
- lateral insertion
- with ratchet

Range: 10-25 mm²

Length: 200 mm

Weight: 0.36 kg

Part No. **K39**

K382

- square crimping
- front insertion
- with ratchet

Range:

Cable end-sleeves: 0.5-6 mm²

Twin-cable end-sleeves: 2 x 0.5-2 x 2.5 mm²

Length: 190 mm

Weight: 0.3 kg

Part No. **K382**

K312

- trapezoid crimping
- lateral insertion
- with ratchet

Range:

Cable end-sleeves: 0.14-6 mm²

Twin-cable end-sleeves: 2 x 0.5-2 x 2.5 mm²

Length: 190 mm

Weight: 0.3 kg

Part No. **K312**

K303

- square crimping
- lateral insertion
- with ratchet

Range:

Cable end-sleeves: 0.14-10 mm²

Twin-cable end-sleeves: 2 x 0.5-2 x 4 mm²

Length: 190 mm

Weight: 0.3 kg

Part No. **K303**

K271

- trapezoid crimping
- lateral insertion
- special type, particularly for "compressed" fine stranded conductors
- with ratchet

Range:

Cable end-sleeves: 10-50 mm²Twin-cable end-sleeves: 2 x 6-2 x 16 mm²

Length: 335 mm

Weight: 0.8 kg

Part No. **K271****K28**

- trapezoid crimping
- lateral insertion
- with ratchet

Range:

Cable end-sleeves: 10-50 mm²Twin-cable end-sleeves: 2 x 4-2 x 16 mm²

Length: 335 mm

Weight: 0.8 kg

Part No. **K28****K272**

- trapezoid crimping
- lateral insertion
- special type, particularly for "compressed" fine stranded conductors
- with ratchet

Range: 50-95 mm²

Length: 335 mm

Weight: 0.8 kg

Part No. **K272****K29**

- trapezoid crimping
- lateral insertion
- with ratchet

Range: 50-95 mm²

Length: 335 mm

Weight: 0.8 kg

Part No. **K29**

**K80**

- with ratchet
- double crimping, oval shape

Range:	0.1-1 mm ²
	0.1-0.4 mm ² (yellow insulation sleeve)
	0.5-1.0 mm ² (red insulation sleeve)
Length:	195 mm
Weight:	0.38 kg
Part No.	K80

**K14**

- cable stripper from 0.5-6 mm² and wire cutter
- oval crimping

Range:	0.5-6 mm ²
	0.5-1.0 mm ² (red insulation sleeve)
	1.5-2.5 mm ² (blue insulation sleeve)
	4.0-6.0 mm ² (yellow insulation sleeve)
Length:	215 mm
Weight:	0.5 kg
Part No.	K14

**K10**

- stripping and crimping is done in two operations
- stripping from 0.5-6 mm², cutter for screws M 2.6 - M 5 and wire cutter
- oval crimping

Range:	0.5-6 mm ²
	0.5-1.0 mm ² (red insulation sleeve)
	1.5-2.5 mm ² (blue insulation sleeve)
	4.0-6.0 mm ² (yellow insulation sleeve)
Length:	210 mm
Weight:	0.19 kg
Part No.	K10

**K15**

- similar to K14, but with double crimping
- oval shape

Range:	0.5-6 mm ²
	0.5-1.0 mm ² (red insulation sleeve)
	1.5-2.5 mm ² (blue insulation sleeve)
	4.0-6.0 mm ² (yellow insulation sleeve)
Length:	215 mm
Weight:	0.5 kg
Part No.	K15

K81

- double crimping, oval shape
- with ratchet

Range: 0.5-2.5 mm²

■ 0.5-1.0 mm² (red insulation sleeve)

■ 1.5-2.5 mm² (blue insulation sleeve)

Length: 195 mm

Weight: 0.38 kg

Part No. **K81**

**K16**

- for meter board wiring
- oval crimping
- with ratchet

Range: 10-16 mm²

■ 10 mm² (red insulation sleeve)

■ 16 mm² (blue insulation sleeve)

Length: 305 mm

Weight: 0.61 kg

Part No. **K16**

**K82**

- double crimping, oval shape
- with ratchet

Range: 0.5-6 mm²

■ 0.5-1.0 mm² (red insulation sleeve)

■ 1.5-2.5 mm² (blue insulation sleeve)

■ 4.0-6.0 mm² (yellow insulation sleeve)

Length: 225 mm

Weight: 0.55 kg

Part No. **K82**

**K85**

- double crimping, oval shape
- with ratchet

Range: 0.5-6 mm²

■ 0.5-1.0 mm² (red insulation sleeve)

■ 1.5-2.5 mm² (blue insulation sleeve)

■ 4.0-6.0 mm² (yellow insulation sleeve)

Length: 220 mm

Weight: 0.52 kg

Part No. **K85**



**K60**

- tab width 2.8; 4.8 and 6.3 mm
- crimping of conductor and insulation in two steps
- wire stripping for sizes 0.75-6 mm².
- cutter for screws M 2.6 - M 5 and wire cutter
- roll crimping

Range:	0.5-6 mm ²
Length:	225 mm
Weight:	0.2 kg
Part No.	K60

**K67**

- tab width 2.8 mm
- with ratchet
- crimping of conductor and insulation in one step
- roll-crimping

Range:	0.1-1 mm ²
Length:	210 mm
Weight:	0.5 kg
Part No.	K67

K65

- similar to K67, tab width 4.8 mm

Range:	0.5-2.5 mm ²
Length:	265 mm
Weight:	0.6 kg
Part No.	K65

**K572**

- tap width 2.8 mm
- double crimping
- crimping of conductor and insulation in one step
- roll-crimping
- with ratchet

Range:	0.1-1 mm ²
Length:	220 mm
Weight:	0.55 kg
Part No.	K572

K582

- similar to K572, tab width 4.8 mm

Range:	0.5-2.5 mm ²
Length:	220 mm
Weight:	0.55 kg
Part No.	K582

K62

- tab width 6.3 mm
- wire stripping for sizes 0.5-6 mm² and wire cutter
- crimping of conductor and insulation in one step
- roll-crimping

Range: 0.5-6 mm²

Length: 215 mm

Weight: 0.5 kg

Part No. **K62**

**K63**

- with ratchet
- for non-insulated receptacles, tab width 6.3 mm
- crimping of conductor and insulation in one step
- roll-crimping

Range: 0.5-2.5 mm²

Length: 265 mm

Weight: 0.6 kg

Part No. **K63**

K64

- similar to K63, tab width 4.8 mm

Range: 0.5-1.5 mm²

Length: 265 mm

Weight: 0.6 kg

Part No. **K64**

**K592**

- tab width 6.3 mm
- double crimping
- crimping of conductor and insulation in one step
- roll-crimping
- with ratchet

Range: 0.5-6 mm²

Length: 220 mm

Weight: 0.51 kg

Part No. **K592**

**K68**

- with ratchet
- tab width 6.3 mm
- crimping of conductor and insulation in one step
- roll-crimping

Range: 0.5-2.5 mm²

Length: 265 mm

Weight: 0.6 kg

Part No. **K68**



**K93**

- with ratchet
- for tubular cable lugs and butt connectors for solid conductors
- hexagonal crimping

Range: 1.5-4 mm²

Length: 220 mm

Weight: 0.56 kg

Part No. **K93**

K94

- similar to K93

Range: 6-10 mm²

Length: 220 mm

Weight: 0.56 kg

Part No. **K94**

**K2**

- with ratchet
- for tubular cable lugs and connectors "standard type"
- indent crimping

Range: 0.75-16 mm²

Length: 325 mm

Weight: 0.6 kg

Part No. **K2**

**K13**

- for tubular cable lugs and connectors, for terminals DIN 46234 and pin terminals DIN 46230
- with stripper from 0.5-6 mm² and cutter for screws M 2.6 - M 5 and wire cutter
- indent crimping

Range: 0.5-6 mm²

Length: 210 mm

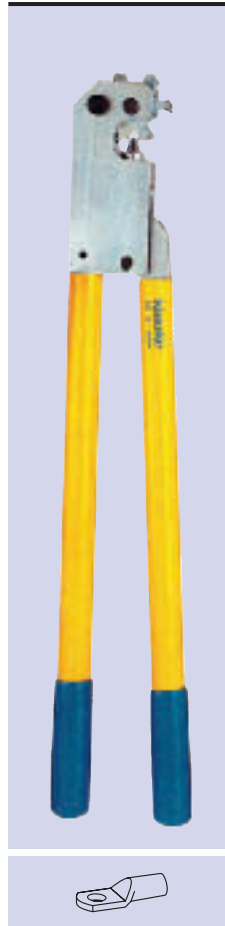
Weight: 0.23 kg

Part No. **K13**

**K02**

- similar to K2, only for tubular cable lugs and butt connectors for solid conductors
- indent crimping
- with ratchet

Range:	0.75-16 mm ²
Length:	325 mm
Weight:	0.6 kg
Part No.	K02

**K95**

- for tubular cable lugs and connectors "standard type", tubular cable lugs and connectors for fine stranded conductors, terminals DIN 46234, pin terminals DIN 46230
- with revolving dies
- indent crimping

Range:	16-95 mm ²
Length:	630 mm
Weight:	3.6 kg
Part No.	K95

TK95

- similar to K95 but with mounting plate

Range:	16-95 mm ²
Length:	700 mm
Weight:	3.9 kg
Part No.	TK95

**K25**

- with ratchet
- for terminals DIN 46234, pin terminals DIN 46230, nickel tubular cable lugs and connectors, stainless steel tubular cable lugs and connectors
- indent crimping

Range:	0.5-16 mm ²
Length:	325 mm
Weight:	0.6 kg
Part No.	K25

**K5**

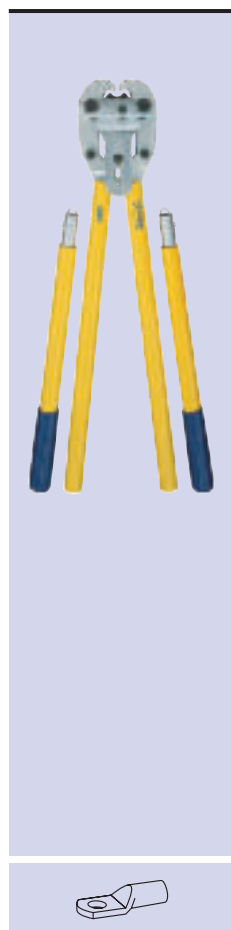
- for tubular cable lugs and connectors "standard type" and tubular cable lugs and connectors for fine stranded wires
- with revolving dies
- indent crimping

Range:	6-50 mm ²
Length:	600 mm
Weight:	2.4 kg
Part No.	K5

K5SP

- similar to K5, but with ratchet

Range:	6-50 mm ²
Length:	600 mm
Weight:	2.4 kg
Part No.	K5SP

**K07**

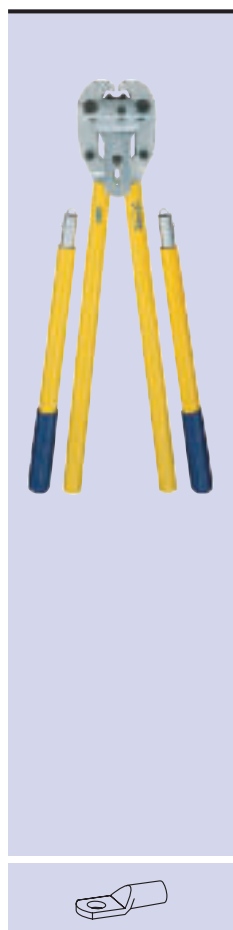
- for tubular cable lugs and connectors "standard type" and tubular cable lugs and connectors for fine stranded conductors
- with revolving dies
- indent crimping

Range:	185-400 mm ²
Length:	975 mm
Weight:	4.7 kg
Part No.	K07

K07SP

- similar to K07, but with ratchet

Range:	185-400 mm ²
Length:	975 mm
Weight:	4.7 kg
Part No.	K07SP

**K6**

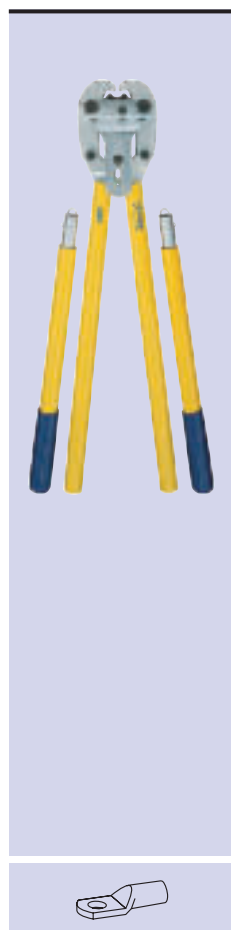
- for tubular cable lugs and connectors "standard type" and tubular cable lugs and connectors for fine stranded wires
- with revolving dies
- indent crimping

Range:	50-120 mm ²
Length:	970 mm
Weight:	4.4 kg
Part No.	K6

K6SP

- similar to K6, but with ratchet

Range:	50-120 mm ²
Length:	970 mm
Weight:	4.4 kg
Part No.	K6SP

**K7**

- for tubular cable lugs and connectors "standard type" and tubular cable lugs and connectors for fine stranded conductors
- with revolving dies
- indent crimping

Range:	120-240 mm ²
Length:	975 mm
Weight:	4.6 kg
Part No.	K7

K7SP

- similar to K7, but with ratchet

Range:	120-240 mm ²
Length:	975 mm
Weight:	4.6 kg
Part No.	K7SP

**K8**

- for tubular cable lugs and connectors "standard type" and tubular cable lugs and connectors for fine stranded conductors
- with revolving dies
- indent crimping

Range: 35-95 mm²

Length: 970 mm

Weight: 4.4 kg

Part No. **K8**

K8SP

- similar to K8, but with ratchet

Range: 35-95 mm²

Length: 970 mm

Weight: 4.4 kg

Part No. **K8SP**

**K05**

- tubular cable lugs and connectors "standard type"
- with revolving dies
- hexagonal crimping

Range:	6-50 mm ²
Length:	390 mm
Weight:	1.1 kg
Part No.	K05

K05D

- for compression cable lugs and compression joints
DIN 46235 / DIN 46267, part 1
- with revolving dies

Range:	6-50 mm ²
Length:	390 mm
Weight:	1.1 kg
Part No.	K05D

**K08**

- for tubular cable lugs and connectors "standard type"
- with revolving dies
- hexagonal crimping

Range:	16-95 mm ²
Length:	530 mm
Weight:	1.8 kg
Part No.	K08

K08D

- for compression cable lugs and compression joints
DIN 46235 / DIN 46267, part 1
- with revolving dies

Range:	16-95 mm ²
Length:	530 mm
Weight:	1.8 kg
Part No.	K08D

**K05SP**

- similar to K05, but with ratchet
- hexagonal crimping

Range:	6-50 mm ²
Length:	390 mm
Weight:	1.1 kg
Part No.	K05SP

K05DSP

- similar to K05D but with ratchet

Range:	6-50 mm ²
Length:	390 mm
Weight:	1.1 kg
Part No.	K05DSP

**K08SP**

- similar to K08, but with ratchet
- hexagonal crimping

Range:	16-95 mm ²
Length:	530 mm
Weight:	1.8 kg
Part No.	K08SP

K08DSP

- similar to K08D, but with ratchet

Range:	16-95 mm ²
Length:	530 mm
Weight:	1.8 kg
Part No.	K08DSP

K06

- for tubular cable lugs and connectors "standard type"
- with revolving dies
- hexagonal crimping

Range:	10-120 mm ²
Length:	650 mm
Weight:	2.9 kg
Part No.	K06

K06D

- for compression cable lugs and compression joints
DIN 46235 / DIN 46267, part 1
- with revolving dies

Range:	10-120 mm ²
Length:	650 mm
Weight:	2.9 kg
Part No.	K06D

K09

- for tubular cable lugs and connectors "standard type"
- with revolving dies
- hexagonal crimping

Range:	25-150 mm ²
Length:	650 mm
Weight:	2.9 kg
Part No.	K09

K09D

- for compression cable lugs and compression joints
DIN 46235 / DIN 46267, part 1
- with revolving dies

Range:	25-150 mm ²
Length:	650 mm
Weight:	2.9 kg
Part No.	K09D

K06SP

- similar to K06, but with ratchet
- hexagonal crimping

Range:	10-120 mm ²
Length:	650 mm
Weight:	2.9 kg
Part No.	K06SP

K06DSP

- similar to K06D, but with ratchet

Range:	10-120 mm ²
Length:	650 mm
Weight:	2.9 kg
Part No.	K06DSP

K09SP

- similar to K09, but with ratchet
- hexagonal crimping

Range:	25-150 mm ²
Length:	650 mm
Weight:	2.9 kg
Part No.	K09SP

K09DSP

- similar to K09D, but with ratchet

Range:	25-150 mm ²
Length:	650 mm
Weight:	2.9 kg
Part No.	K09DSP

KP1



- mechanical basic tool of the Klauke Pro Series
- standard version
- compatibly with all crimping heads of the Klauke Pro Series
- with ratchet

Length: 151 mm

Weight: 0.2 kg

Part No. **KP1**

Crimping heads

Crimping heads for cable end sleeves		Crimping range mm ²	Crimping profile	Part No.:
	Cable end-sleeves, trapezoid crimping	0.14 - 6		KP312
	Cable end-sleeves, square crimping	0.14 - 10		KP303
	Cable end-sleeves, square crimping	10 - 16		KP304
	Cable end-sleeves, round crimping for narrow spaces	1.5 - 6		KP351
	Cable end-sleeves, round crimping for narrow spaces	10 - 16		KP352
	Cable end-sleeves DIN 46228, part 2, round crimping	0.5 - 2.5		KP66
Crimping heads for insulated terminals		Crimping range mm ²	Crimping profile	Part No.:
	Insulated terminals (yellow and red)	0.1 - 1		KP80
	Insulated terminals (red and blue)	0.5 - 2.5		KP81
	Insulated terminals (yellow)	4 - 6		KP83
Crimping heads for cable lugs and solderless terminals		Crimping range mm ²	Crimping profile	Part No.:
	Non-insulated cable lugs and terminals	0.5 - 6		KP232
	Non-insulated cable lugs and terminals	4 - 10		KP242

KP1L



- mechanical basic tool of the Klauke Pro Series
- standard version
- compatibly with all crimping heads of the Klauke Pro Series
- with ratchet

Length:	207 mm
Weight:	0.3 kg
Part No.	KP1L

Crimping heads

Crimping heads for cable end sleeves		Crimping range mm ²	Crimping profile	Part No.:
	Cable end-sleeves, trapezoid crimping	0.14 - 6		KP312
	Cable end-sleeves, square crimping	0.14 - 10		KP303
	Cable end-sleeves, square crimping	10 - 16		KP304
	Cable end-sleeves, round crimping for narrow spaces	1.5 - 6		KP351
	Cable end-sleeves, round crimping for narrow spaces	10 - 16		KP352
	Cable end-sleeves DIN 46228, part 2, round crimping	0.5 - 2.5		KP66
Crimping heads for insulated terminals		Crimping range mm ²	Crimping profile	Part No.:
	Insulated terminals (yellow and red)	0.1 - 1		KP80
	Insulated terminals (red and blue)	0.5 - 2.5		KP81
	Insulated terminals (yellow)	4 - 6		KP83
Crimping heads for cable lugs and solderless terminals		Crimping range mm ²	Crimping profile	Part No.:
	Non-insulated cable lugs and terminals	0.5 - 6		KP232
	Non-insulated cable lugs and terminals	4 - 10		KP242

Klauke[®]pro



SKP1

- crimping head set of the Klauke Pro-Series, contains following crimping heads:
- KP1 basic tool, standard version
- KP303 0.14-10 mm² cable end-sleeves (square crimping)
- KP81 0.5-2.5 mm² insulated terminals (red and blue)
- KP232 0.5-6 mm² non-insulated cable lugs and terminals

Dimensions:	250 x 115 x 40 mm
Weight:	0.8 kg
Part No.	SKP1

Klauke[®]pro



SKP6

- crimping head set of the Klauke Pro-Series, contains following crimping heads:
- for non-insulated receptables, angled
- KP1 basic tool, standard version
- KP631 for Part No. 3720
- KP632 for Part No. 3735
- KP64 for Part No. 3725

Dimensions:	250 x 115 x 40 mm
Weight:	0.8 kg
Part No.	SKP6

K50



- crimping tool with parallel guided crimping jaws
- with ratchet

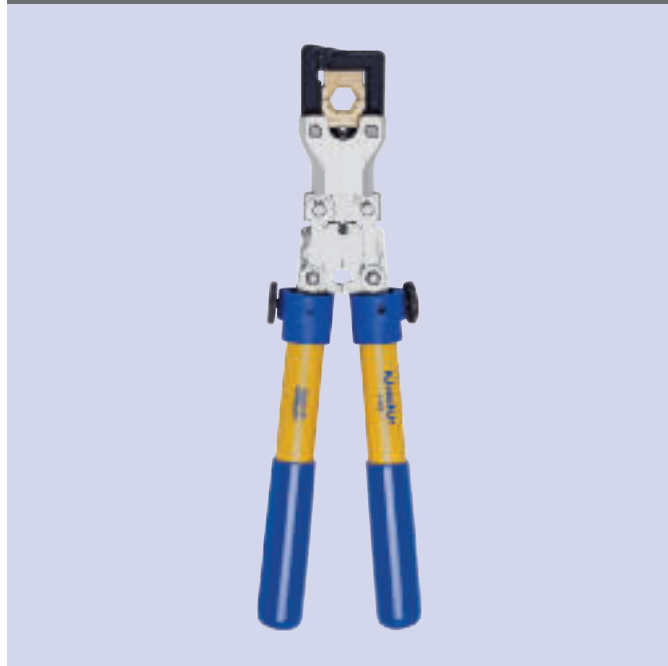
Length:	220 mm
Weight:	0.6 kg
Part No.	K50

Accessories:
steel carrying case MK55
for storage of crimping tool K 50
and 8 pairs of dies catalogue page 8.11

Available dies

Application	Crimping range mm²	Crim-ping profile	Cata-logue page	Reference
Tubular cable lugs and connectors	0.75 - 10		11.2	
Tubular cable lugs and connectors for solid conductors	1.5 - 10		11.2	
Terminals DIN 46234 Pin terminals DIN 46230	0.5 - 10		11.2	
Insulated terminals	0.1 - 16		11.2	
Cable end-sleeves	0.14 - 50		11.2	
Non insulated tabs and receptacles	0.1 - 6		11.3	
BNC plugs (Coax cable) RG 58, 59, 62, 71			11.3	
Turned pin connectors and receptacles	0.1 - 4		11.3	

K354



- head rotates 360°
- with telescope handles

Length:	420 infinitely variable up to 590 mm
Weight:	1.9 kg
Part No.	K354

Available dies

Application	Crimping range mm²	Crimping profile	Catalogue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	6 - 150		11.13	
Tubular cable lugs and connectors Cu for solid conductors	1.5 - 16		11.13	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	6 - 120		11.13	
Compression cable lugs Al and compression joints Al	10 - 70		11.13	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6	25 - 50		11.14	
Pre-rounding dies for sector-shaped Al- and Cu-conductors	10sm - 150se / 120sm		11.14	
Terminals DIN 46234 Pin terminals DIN 46230	10 - 35		11.14	
Insulated terminals	10 - 16		11.14	
Tubular cable lugs and connectors for fine stranded conductors	10 - 50		11.14	
C-clamps	4 - 35		11.15	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 70		11.15	
Tubular nickel cable lugs and connectors Stainless steel tubular cable lugs and connectors	0.5 - 16		11.15	
Cable end-sleeves	10 - 50		11.15	
Twin cable end-sleeves	2 x 4 - 2 x 16		11.15	
Cable end-sleeves, for "compacted" fine stranded conductors	10 - 50		11.16	
Twin cable end-sleeves, for "compacted" fine stranded conductors	2 x 4 - 2 x 16		11.16	

K18



- for interchangeable dies DIN 48083, sheet 1
- 360° rotating C-head
- with telescope handles

Length:	approx. 580 infinitely variable up to 830 mm
Weight:	2.5 kg
Part No.	K18

Accessories:

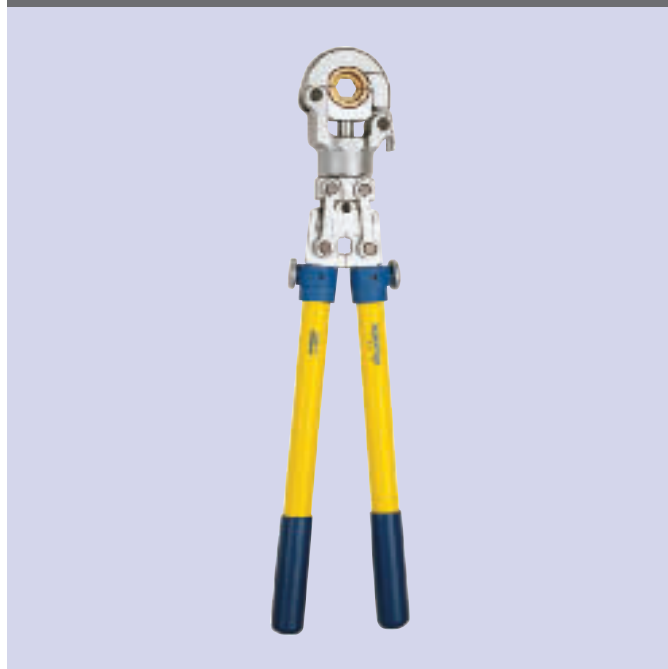
steel carrying case MK18
for storage of crimping tool K18
and 34 pairs of dies catalogue page 8.13

Available dies

Application	Crimping range mm²	Crimping profile	Catalogue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	6 - 185		11.4	
Tubular cable lugs and connectors for solid conductors	1.5 - 16		11.4	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	6 - 185		11.4	
Compression cable lugs Al and compression joints Al	10 - 185		11.4	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6	25 - 95		11.5	
Pre-rounding dies for sector-shaped Al- and Cu-conductors	10sm - 240se / 185sm		11.5	
Terminals DIN 46234 Pin terminals DIN 46230	10 - 70		11.5	
Insulated terminals	10 - 50		11.5	
Tubular cable lugs and connectors for fine stranded conductors	10 - 50		11.6	
C-clamps	4 - 50		11.6	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 95		11.6	
Cable end-sleeves	10 - 95		11.6	
Twin cable end-sleeves	2 x 4 - 2 x 16		11.6	
Cable end-sleeves, for "compacted" fine stranded conductors	10 - 95		11.7	
Twin cable end-sleeves, for "compacted" fine stranded conductors	2 x 4 - 2 x 16		11.7	
Cutting jaws	18 mm Ø		11.7	

Please observe information on catalogue page 12.8.

K22



- for interchangeable dies
- flip top style closed crimping head, rotates 360°
- with telescope handles

Length: approx. 560 infinitely variable up to 860 mm

Weight: 2.5 kg

Part No. **K22**

Accessories:

steel carrying case MK 22
for storage of crimping tool K 22
and 17 pairs of dies catalogue page 8.13

Available dies

Application	Crimping range mm²	Crimping profile	Catalogue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	6-300		11.8	
Tubular cable lugs and connectors Cu for solid conductors	1.5-16		11.8	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	6-300		11.8	
Compression cable lugs Al and compression joints Al	10-240		11.9	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 – 185 mm²	25-185		11.9	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4-120 / 20		11.9	
Pre-rounding dies for sector-shaped Al- and Cu-conductors	10sm-300se/240sm		11.10	
Terminals DIN 46234				
Pin terminals DIN 46230	10-70		11.10	
Insulated terminals	10-70		11.10	
Tubular cable lugs and conductors for fine stranded conductors	10-70		11.10	
C-clamps	4-50		11.11	
Insulated tubular cable lugs and connectors				
Insulated pin terminals	10-150		11.11	
Double compression cable lugs	2 x 50 - 2 x 70		11.11	
Tubular nickel cable lugs and connectors				
Stainless steel tubular cable lugs and connectors	10-50		11.11	
Cable end-sleeves	10-150		11.12	
Twin cable end-sleeves	2 x 4 - 2 x 16		11.12	
Cable end-sleeves, for "compacted" fine stranded conductors	10-150		11.12	
Twin cable end-sleeves for "compacted" fine stranded conductors	2 x 4 - 2 x 16		11.12	
Twin cable end-sleeves for "compacted" fine stranded conductors	2 x 4 - 2 x 16		11.12	

This tool is also available as UL-certified version: Part No. K22W

**K41**

- automatic wire stripping tool with wire cutter
- adjustable stop
- stripping length up to 16 mm

Stripping range: 0.1-6 mm²

Weight: 0.19 kg

Part No. **K41**

**K44**

- automatic wire stripping tool with adjustable stop
- stripping length up to 22 mm

Stripping range: 1-25 mm²

Weight: 0.68 kg

Part No. **K44**

**K432**

- automatic wire stripping tool with wire cutter
- adjustable stop
- stripping length up to 17 mm
- easy change of blade system

Stripping range: 0.08-10 mm²

Weight: 0.14 kg

Part No. **K432**

- interchangeable die set for cable stripper K432

Stripping range: 0.08-10 mm²

Part No. **K432E**

- interchangeable die set for cable stripper K432
- for PTFE-insulated conductors

Stripping range: 0.1-4 mm²

Part No. **K432E2**

- interchangeable die set for cable stripper K432

Stripping range: 4-16 mm²

Part No. **K432E3**

**K400**

- cable Stripper with exchangeable hooks
- max. cutting depth of knife: 4.5 mm
- max. stripping dia.: 21 mm (small hook)
- max. stripping dia.: 40 mm (large hook)

Length: approx. 168 mm

Weight: 0.12 kg

Part No. **K400**

**K100**

- for fine- and multi-stranded cable

Cutting range:	14 mm Ø max. e. g. 1 x 50 mm ² H07VK
Length:	280 mm
Weight:	0.55 kg
Part No.	K100

**K110**

- for NYM- and NYY-cable

Cutting range:	14 mm Ø max.
Length:	170 mm
Weight:	0.25 kg
Part No.	K110

**K102**

- for fine- and multi-stranded cable
DIN 57295, class 5 + 6

Cutting range:	20 mm Ø max. e. g. 1 x 95 mm ² H07VK
Length:	200 mm
Weight:	0.35 kg
Part No.	K102

**K115**

- for NYM- and NYY-cable

Cutting range:	25 mm Ø max.
Length:	210 mm
Weight:	0.335 kg
Part No.	K115

**K1061**

- with ratchet, cuts cable in steps
- one hand operation, suitable for cutting earth, plastic and rubber cables
- not for cutting steel or steel wire

Cutting range:	32 mm Ø max. e.g. 4 x 35 mm² NYY
Length:	250 mm
Weight:	0.55 kg
Part No.	K1061

**K1031**

- with ratchet, cuts cables in steps
- two hand operation, suitable for cutting earth, plastic and rubber cables
- not for cutting steel or steel wire

Cutting range:	60 mm Ø max. e. g. 4 x 240 mm² NAYY
Length:	720 mm
Weight:	4.5 kg
Part No.	K1031

**K1062**

- with ratchet, cuts cable in one step
- one hand operation, suitable for cutting earth, plastic and rubber cables
- not for cutting steel or steel wire

Cutting range:	52 mm Ø max. e. g. 4 x 120 mm² NYY
Length:	280 mm
Weight:	0.74 kg
Part No.	K1062

**K1041**

- with ratchet, cuts cables in steps
- two hand operation, suitable for cutting earth, plastic and rubber cables
- not for cutting steel or steel wire

Cutting range:	100 mm Ø max. e. g. 4 x 400 mm² NAYY
Length:	870 mm
Weight:	5.7 kg
Part No.	K1041

**K130**

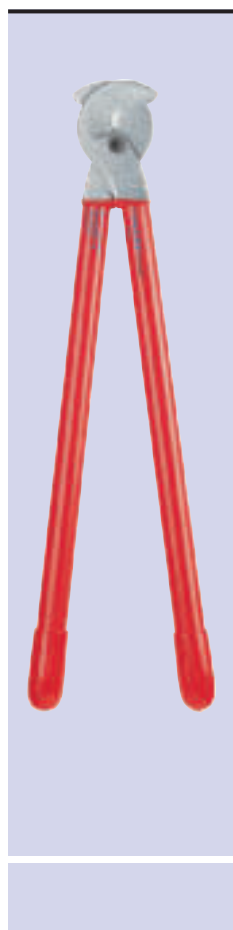
- high performance because of specially designed flat blades

Cutting range:	30 mm Ø max. e. g. 4 x 35 mm ² NYY
Length:	570 mm
Weight:	1.7 kg
Part No.	K130

**K150**

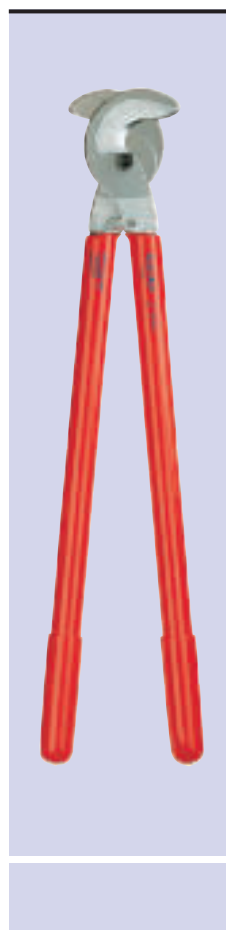
- high performance because of specially designed flat blades

Cutting range:	50 mm Ø max. e. g. 4 x 120 mm ² NYY
Length:	710 mm
Weight:	3 kg
Part No.	K150

**K230**

- similar to K130, but with insulated shock resistant handles in accordance with VDE 0682, part 201

Cutting range:	30 mm Ø max. e. g. 4 x 35 mm ² NYY
Length:	570 mm
Weight:	2.1 kg
Part No.	K230

**K250**

- similar to K150, but with insulated shock resistant handles in accordance with VDE 0682, part 201

Cutting range:	50 mm Ø max. e. g. 4 x 120 mm ² NYY
Length:	710 mm
Weight:	3.7 kg
Part No.	K250



K1011

- with interchangeable heads

Cutting range:	26 mm Ø max. e. g. 4 x 35 mm² NYY
Length:	570 mm
Weight:	1.8 kg
Part No.	K1011

K2011

- similar to K1011, but with insulated shock resistant handles in accordance with VDE 0682, part 201

Cutting range:	26 mm Ø max. e. g. 4 x 35 mm² NYY
Length:	570 mm
Weight:	2 kg
Part No.	K2011

**K1011E**

- cable cutter head
- for K1011, K2011 and K1051

K1051

- similar to K1011, but with telescope handles

Cutting range:	26 mm Ø max. e. g. 4 x 35 mm² NYY approx. 350 infinitely variable up to 520 mm
Length:	
Weight:	1.4 kg
Part No.	K1051

K1012

- with interchangeable heads

Cutting range:	38 mm Ø max. e. g. 4 x 70 mm² NYY
Length:	930 mm
Weight:	4.2 kg
Part No.	K1012

K1012E

- cable cutter head
- for K1012

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



Hydraulic crimping tools, hand operated	10.2
Hydraulic cutting tools, hand operated	10.9
Hydraulic universal tool, hand operated	10.11
Battery powered crimping tools	10.12
Battery powered cutting tools	10.23
Battery powered universal tool	10.29
Hydraulic crimping heads	10.30
Hydraulic cutting heads	10.38
Hydraulic universal head	10.41
Stationary basic tool for Pro-Series	10.42
Hydraulic crimping tool for work bench assembly	10.43
Hydraulic crimping tool with foot pump	10.45
Hydraulic cable cutters with foot pump	10.48
Safety cutting units	10.49
Hydraulic crimping tools, combination with hydraulic drive units	10.50
Hydraulic cutting tools, combination with hydraulic drive units	10.51
Hydraulic drive units	10.53
Accessories for hydraulic tools	10.56
Spare blades	10.62

HK6018



- for interchangeable dies, DIN 48083, sheet 1
- flip flop style closed crimping head, rotates 360°
- two stage hydraulics
- automatic retraction when crimp is complete
- manual retraction in case of need

Crimping force:	60 kN
Stroke:	14 mm
Length:	470 mm
Weight:	3.0 kg
Ambient temperature:	-20 °C up to +40 °C
Part No.	HK6018

Scope of supply:

Basic tool

Steel carrying case:

Dimensions:	600 x 240 x 65 mm
Total weight:	6.0 kg

Accessories:

Crimping dies

Digital meter TC1S, MA18 and TF70

Available dies

Application	Crimping range mm²	Crimping profile	Catalogue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	6 - 185		11.4	
Tubular cable lugs and connectors for solid conductors	1.5 - 16		11.4	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	6 - 185		11.4	
Compression cable lugs Al and compression joints Al	10 - 185		11.4	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6	25 - 95		11.5	
Pre-rounding dies for sector-shaped Al- and Cu-conductors	10sm - 240se / 185sm		11.5	
Terminals DIN 46234 Pin terminals DIN 46230	10 - 70		11.5	
Insulated terminals	10 - 50		11.5	
Tubular cable lugs and connectors for fine stranded conductors	10 - 50		11.6	
C-clamps	4 - 50		11.6	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 95		11.6	
Cable end-sleeves	10 - 95		11.6	
Twin cable end-sleeves	2 x 4 - 2 x 16		11.6	
Cable end-sleeves, for "compacted" fine stranded conductors	10 - 95		11.7	
Twin cable end-sleeves, for "compacted" fine stranded conductors	2 x 4 - 2 x 16		11.7	
Cutting jaws	18 mm Ø		11.7	

HK6022



- for interchangeable dies
- flip top style closed crimping head, rotates 360°
- two stage hydraulics
- automatic retraction when crimp is complete
- manual retract in case of need

Crimping force:	60 kN
Stroke:	17 mm
Length:	460 mm
Weight:	3.3 kg
Ambient temperature:	-20 °C up to +40 °C
Part No.	HK6022

Scope of supply:

Basic tool

Steel carrying case:

Dimensions:	600 x 240 x 65 mm
Total weight:	6.3 kg

Accessories:

Crimping dies

Digital meter TC1S, MA22 and TF70

This tool is also available as UL-certified version:

Part No. HK6022W

Available dies

Application	Crimping range mm ²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	6-300		11.8	
Tubular cable lugs and connectors Cu for solid conductors	1.5-16		11.8	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	6-300		11.8	
Compression cable lugs Al and compression joints Al	10-240		11.9	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 – 185 mm ²	25-185		11.9	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4- 120 / 20		11.9	
Pre-rounding dies for sector- shaped Al- and Cu-conductors	10sm- 300se/240sm		11.10	
Terminals DIN 46234 Pin terminals DIN 46230	10-70		11.10	
Insulated terminals	10-70		11.10	
Tubular cable lugs and conductors for fine stranded conductors	10-70		11.10	
C-clamps	4-50		11.11	
Insulated tubular cable lugs and connectors Insulated pin terminals	10-150		11.11	
Double compression cable lugs	2 x 50 - 2 x 70		11.11	
Tubular nickel cable lugs and connectors Stainless steel tubular cable lugs and connectors	10-50		11.11	
Cable end-sleeves	10-150		11.12	
Twin cable end-sleeves	2 x 4 - 2 x 16		11.12	
Cable end-sleeves, for "compacted" fine stranded conductors	10-150		11.12	
Twin cable end-sleeves for "compacted" fine stranded conductors	2 x 4 - 2 x 16		11.12	

HK60VP

**Quad-point indent crimping**

- dieless crimping head, no dies to replace
- open crimping head, rotates 360°
- two stage hydraulics
- automatic retraction when crimp is complete
- manual retract in case of need

**Special features:**

- universal crimping tool for crimping copper cable lugs and connectors
- excellent for crimping cable lugs for fine stranded conductors
- wide range of applications

Crimping force:	55 kN
Length:	525 mm
Weight:	4.1 kg
Ambient temperature:	-20 °C up to +40 °C
Part No.	HK60VP

Scope of supply:

Basic tool

Steel carrying case:

Dimensions:	600 x 240 x 65 mm
Total weight:	7.1 kg

Accessories:

Digital meter TC1S, MAVP and TF70

Test assortment: Part No. TS10B

Application range:

Application	Crimping range mm ²	Crim- ping profile	Reference
Tubular cable-lugs "standard type", Tubular cable-lugs for switch gear connections	10 - 240		
Tubular cable-lugs for fine stranded conductors	10 - 240		
Connectors "standard type"	10 - 120		
Connectors for fine stranded conductors	10 - 95		

HK60VPFT



Quad-point indent crimping

- dieless crimping head, no dies to replace
- flip top style closed crimping head, rotates 360°
- two stage hydraulics
- automatic retraction when crimp is complete
- manual retract in case of need



Special features:

- universal crimping tool for crimping copper cable lugs and connectors
- offers larger crimping ranges than model HK60VP

Crimping force:	55 kN
Length:	535 mm
Weight:	4.1 kg
Ambient temperature:	-20 °C up to +40 °C
Part No.	HK60VPFT

Scope of supply:

Basic tool

Steel carrying case:

Dimensions:	600 x 240 x 65 mm
Total weight:	7.1 kg

Accessories:

Digital meter TC1S, MAVP und TF70

Test assortment: Part No. TS10B

Application range:

Application	Crimping range mm²	Crim-ping profile	Reference
Tubular cable-lugs and connectors "standard type" Tubular cable lugs for switch gear connection	16 - 300		
Tubular cable-lugs and connectors for fine stranded conductors	16 - 300		

HK12025

**Wide crimping**

- for interchangeable dies
- C-shape crimping head, rotates 360°
- two stage hydraulics
- automatic retraction when crimp is complete
- manual retract in case of need

Crimping force:	130 kN
Stroke:	25 mm
Length:	510 mm
Weight:	5.4 kg
Ambient temperature:	-20 °C up to +40 °C
Part No.	HK12025

Scope of supply:

Basic tool

Steel carrying case:

Dimensions:	700 x 240 x 85 mm
Total weight:	9.0 kg

Accessories:

Crimping dies

Digital meter TC1S, MA120 and TF130

Available dies

Application	Crimping range mm²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	16 - 400		11.17	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	16 - 300		11.17	
Compression cable lugs Al and compression joints Al	10 - 240		11.17	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 - 185 mm²	25 - 185		11.18	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4 - 120 / 20		11.18	
Pre-rounding dies for sector- shaped Al- and Cu-conductors	10sm - 300sm		11.18	
Terminals DIN 46234 Pin terminals DIN 46230	16 - 150		11.19	
Insulated terminals	10 - 95		11.19	
Tubular cable lugs and connectors for fine stranded conductors	16 - 150		11.19	
C-clamps	10 - 70		11.19	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 150		11.20	
Double compression cable lugs	2 x 50 - 2 x 95		11.20	
Cable end-sleeves	25 - 240		11.20	
Cable end-sleeves, for "compacted" fine stranded conductors	25 - 240		11.20	

HK12042



Wide crimping

- for interchangeable dies
- C-shape crimping head, rotates 360°
- two stage hydraulics
- automatic retraction when crimp is complete
- manual retract in case of need



Crimping force:	130 kN
Stroke:	42 mm
Length:	560 mm
Weight:	5.9 kg
Ambient temperature:	-20 °C up to +40 °C
Part No.	HK12042

Scope of supply:

Basic tool

Steel carrying case:

Dimensions:	700 x 240 x 85 mm
Total weight:	9.5 kg

Accessories:

Crimping dies

Digital meter TC1S, MA120 and TF130

Available dies

Application	Crimping range mm ²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	16 - 400		11.17	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	16 - 300		11.17	
Compression cable lugs Al and compression joints Al	10 - 240		11.17	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 - 185 mm ²	25 - 185		11.18	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4 - 120 / 20		11.18	
Pre-rounding dies for sector- shaped Al- and Cu-conductors	10sm - 300sm		11.18	
Terminals DIN 46234 Pin terminals DIN 46230	16 - 150		11.19	
Insulated terminals	10 - 95		11.19	
Tubular cable lugs and connectors for fine stranded conductors	16 - 150		11.19	
C-clamps	10 - 70		11.19	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 150		11.20	
Double compression cable lugs	2 x 50 - 2 x 95		11.20	
Cable end-sleeves	25 - 240		11.20	
Cable end-sleeves, for "compacted" fine stranded conductors	25 - 240		11.20	

HK120U

**Wide crimping**

- for interchangeable dies
- H-shape crimping head, rotates 360°
- two stage hydraulics
- automatic retraction when crimp is complete
- manual retract in case of need

Crimping force:	130 kN
Stroke:	20 mm
Length:	540 mm
Weight:	5.2 kg
Ambient temperature:	-20 °C up to +40 °C
Part No.	HK120U

Scope of supply:

Basic tool

Steel carrying case:

Dimensions:	700 x 240 x 85 mm
Total weight:	8.8 kg

Accessories:

Crimping dies

Digital meter TC1S, MA120 and TF130

Available dies

Application	Crimping range mm²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	16 - 400		11.17	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	16 - 300		11.17	
Compression cable lugs Al and compression joints Al	10 - 240		11.17	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 - 185 mm²	25 - 185		11.18	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4 - 120 / 20		11.18	
Pre-rounding dies for sector- shaped Al- and Cu-conductors	10sm - 300sm		11.18	
Terminals DIN 46234 Pin terminals DIN 46230	16 - 150		11.19	
Insulated terminals	10 - 95		11.19	
Tubular cable lugs and connectors for fine stranded conductors	16 - 150		11.19	
C-clamps	10 - 70		11.19	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 150		11.20	
Double compression cable lugs	2 x 50 - 2 x 95		11.20	
Cable end-sleeves	25 - 240		11.20	
Cable end-sleeves, for "compacted" fine stranded conductors	25 - 240		11.20	

HSG45

- cuts steel armoured copper or aluminium cables and Al/St cables (ACSR)
- cutting head rotates 360°
- two stage hydraulics
- automatic retraction when crimp is complete
- manual retraction in case of need
- simple changing spare blades

Cutting force:	60 kN
Cutting range:	Ø 45 mm, e.g. Al/St cable 570/40
Length:	560 mm
Weight:	4.9 kg
Part No.	HSG45

Scope of supply:

Basic tool

Steel carrying case:

Dimensions:	600 x 240 x 65 mm
Total weight:	7.9 kg

Accessories:

Spare blades

Stationary blade:

Part No. ESG45EF

Moving blade:

Part No. ESG45ES1

HSG50

- cuts copper and aluminium cables (not for armoured cables)
- cutting head rotates 360°
- two stage hydraulics
- automatic retraction when crimp is complete
- manual retraction in case of need
- simple changing spare blades

Cutting force:	60 kN
Cutting range:	Ø 48 mm, e.g. 4 x 150 mm² NYY
Length:	540 mm
Weight:	3.5 kg
Part No.	HSG50

Scope of supply:

Basic tool

Steel carrying case:

Dimensions:	600 x 240 x 65 mm
Total weight:	6.5 kg

Accessories:

Spare blades

Stationary blade: Part No. ESG50EF1

Moving blade: Part No. ESG50ES

HSG85

- cuts copper and aluminium cables (not for armoured cables)
- cutting head rotates 360°
- two stage hydraulics
- automatic retraction when crimp is complete
- manual retraction in case of need
- simple changing spare blades

Cutting force:	60 kN
Cutting range:	Ø 85 mm, e.g. 4 x 240 mm² NYY
Length:	680 mm
Weight:	6.8 kg
Part No.	HSG85

Scope of supply:

Basic tool

Steel carrying case:

Dimensions:	700 x 240 x 85 mm
Total weight:	10.4 kg

Accessories:

Spare blades

Stationary blade: Part No. ESG85EF

Moving blade: Part No. ESG85ES

HK60UNV

Klauke^{multi}
Crimping, cutting and punching with just one single tool

- flip top style closed crimping head, rotates 360°
- for adapters and dies for various application
- two stage hydraulics
- automatic retraction when crimp is complete
- manual retract in case of need



Crimping force:	60 kN
Stroke:	42 mm
Length:	540 mm
Weight:	3.5 kg
Ambient temperature:	-20 °C up to +40 °C
Part No.	HK60UNV

Scope of supply:

Basic tool
Steel carrying case:

Dimensions:	600 x 240 x 65 mm
Total weight:	6.5 kg

Accessories:

Adapter
Dies

Adapter	Application: crimping	Part No.:
	UA22 adapter for dies series: K22/ EK22plus/ PK22/ HK6022/ THK22	UA22
	UA18 adapter for dies series: K18 / EK18plus / PK18 / HK6018 / THK18	UA18
	UA5 Adapter for dies series: HK5	UA5
Adapter	Application: cutting	Part No.:
	Cutting dies for cutting ACSR cables (Al/St cable) acc. to DIN 48204 and EHS guy wire UCACSR up to Ø 40 mm	UCACSR
	Cutting dies for cutting multistranded, non armoured Cu/Al cables. Not for fine stranded cables. up to Ø 26 mm	UC26
	up to Ø 40 mm	UC40
Adapter	Application: punching	Part No.:
	Punching adapter punching capacities in 3.0 mm mild St up to 64 mm round up to 92 x 92 mm square up to 46 x 92 mm rectangular	UA6P
Adapter	Special applications:	Part No.:
	Cutting dies for cutting threaded rods M5 M6 M8 M10 M12	UCM5 UCM6 UCM8 UCM10 UCM12
	1/4"	UCUNC14
	3/8"	UCUNC38
	1/2"	UCUNC12
	Cutting dies for cutting DIN rails 35 x 15	UCD3515
	DIN rails 32 x 15 x 9	UCD3215
	DIN rails 35 x 7.5	UCD3575
	Cutting dies Niedax-rail 2980	UCN2980
	Dies to punch DIN rails (35 x 15; 32 x 15 x 9; 35 x 7.5)	UPD6

EK1550



- for interchangeable dies
- head rotates 330°
- quick motor stop
- automatic retraction when crimping is complete
- manual retraction in case of need
- ergonomic design for one hand operation



Crimping force:	13 kN
Stroke:	9 mm
Crimping cycle:	approx. 2 s
Weight:	1.3 kg
Battery voltage:	9.6 V
Battery capacity:	1.3 Ah, approx. 150 crimps (Cu tubular cable lugs 10 mm², indent crimping)
Charging time:	40 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	EK1550

Scope of supply:

Basic tool with battery and charger
Plastic carrying case:

Dimensions:	450 x 370 x 105 mm
Total weight:	3.5 kg

Accessories:

Crimping dies	
Replacement battery:	Part No. RAM1
Battery charger:	Part No. LGM4
Quick charger:	Part No. LG5
Holster:	Part No. MH1
Digital meter:	TC1S, MA50 and TF70

Available dies

Application	Crimping range mm²	Crim-ping profile	Cata-logue page	Reference
Tubular cable lugs and connectors	0.75 - 10		11.2	
Tubular cable lugs and connectors for solid conductors	1.5 - 10		11.2	
Terminals DIN 46234 Pin terminals DIN 46230	0.5 - 10		11.2	
Insulated terminals Insulated pin terminals	10 - 16		11.2	
Insulated terminals	0.1 - 16		11.2	
Cable end-sleeves	0.14 - 50		11.2	
Non insulated tabs and receptacles	0.1 - 6		11.3	
BNC plugs (Coax cable) RG 58, 59, 62, 71			11.3	
Turned pin connectors and receptacles	0.1 - 4		11.3	

EK1550G

Klauke® mini



- for interchangeable dies
- head rotates 345°
- quick motor stop
- automatic retraction when crimping is complete
- manual retraction in case of need
- ergonomic design for one hand operation



Crimping force:	13 kN
Stroke:	9 mm
Crimping cycle:	approx. 2 s
Weight:	1.5 kg
Battery voltage:	9.6 V
Battery capacity:	1.3 Ah, approx. 150 crimps (Cu tubular cable lugs 10 mm², indent crimping)
Charging time:	40 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	EK1550G

Scope of supply:

Basic tool with battery and charger
Plastic carrying case:

Dimensions:	450 x 370 x 105 mm
Total weight:	3.7 kg

Accessories:

Crimping dies	
Replacement battery:	Part No. RAM1
Battery charger:	Part No. LGM4
Quick charger:	Part No. LG5
Holster:	Part No. MH1
Digital meter:	TC1S, MA50 and TF70

Available dies

Application	Crimping range mm²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors	0.75 - 10		11.2	
Tubular cable lugs and connectors for solid conductors	1.5 - 10		11.2	
Terminals DIN 46234 Pin terminals DIN 46230	0.5 - 10		11.2	
Insulated terminals Insulated pin terminals	10 - 16		11.2	
Insulated terminals	0.1 - 16		11.2	
Cable end-sleeves	0.14 - 50		11.2	
Non insulated tabs and receptacles	0.1 - 6		11.3	
BNC plugs (Coax cable) RG 58, 59, 62, 71			11.3	
Turned pin connectors and receptacles	0.1 - 4		11.3	

EKP1



- battery powered basic tool, Pro-Series
- compatibly with all crimping heads of the Klauke Pro-Series
- head rotates 330 °
- quick motor stop
- automatic retraction when crimping is complete
- manual retraction in case of need
- ergonomic design for one hand operation

Crimping force:	10 kN
Stroke:	9 mm
Crimping cycle:	2 s
Weight:	1.2 kg
Battery voltage:	9.6 V
Battery capacity:	1.3 Ah, approx. 150 crimps (Cu tubular cable lugs 10 mm ² , indent crimping)
Charging time:	40 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	EKP1

Scope of supply:

Basic tool with battery and charger
Plastic carrying case:

Dimensions:	450 x 370 x 105 mm
Total weight:	3.4 kg

Accessories:

Replacement battery:	Part No. RAM1
Battery charger:	Part No. LGM4
Quick charger:	Part No. LG5
Holster:	Part No. MH1

Crimping heads

Crimping heads for cable end sleeves		Crimping range mm ²	Crimping profile	Part No.:
	Cable end-sleeves, trapezoid crimping	0.14 - 6		KP312
	Cable end-sleeves, square crimping	0.14 - 10		KP303
	Cable end-sleeves, square crimping	10 - 16		KP304
	Cable end-sleeves, round crimping for narrow spaces	1.5 - 6		KP351
	Cable end-sleeves, round crimping for narrow spaces	10 - 16		KP352
	Cable end-sleeves DIN 46228, part 2, round crimping	0.5 - 2.5		KP66
Crimping heads for insulated terminals		Crimping range mm ²	Crimping profile	Part No.:
	Insulated terminals (yellow and red)	0.1 - 1		KP80
	Insulated terminals (red and blue)	0.5 - 2.5		KP81
	Insulated terminals (yellow)	4 - 6		KP83
Crimping heads for cable lugs and solderless terminals		Crimping range mm ²	Crimping profile	Part No.:
	Non-insulated cable lugs and terminals	0.5 - 6		KP232
	Non-insulated cable lugs and terminals	4 - 10		KP242

EK354

Klauke® mini



- for interchangeable dies
- head rotates 345°
- quick motor stop
- automatic retraction when crimping is complete
- manual retraction in case of need
- ergonomic design for one hand operation



Crimping force:	35 kN
Stroke:	9 mm
Crimping cycle:	approx. 4 s
Weight:	1.6 kg
Battery voltage:	9.6 V
Battery capacity:	1.3 Ah, approx. 85 crimps (Cu tubular cable lugs 120 mm², hexagonal crimping)
Charging time:	40 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	EK354

Scope of supply:

Basic tool with battery and charger
Plastic carrying case:

Dimensions:	450 x 370 x 105 mm
Total weight:	3.8 kg

Accessories:

Crimping dies
Replacement battery: Part No. RAM1
Battery charger: Part No. LGM4
Quick charger: Part No. LG5
Holster: Part No. MH1
Digital meter TC1S, MA4 and TF70

Available dies

Application	Crimping range mm²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	6 - 150		11.13	
Tubular cable lugs and connectors Cu for solid conductors	1.5 - 16		11.13	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	6 - 120		11.13	
Compression cable lugs Al and compression joints Al	10 - 70		11.13	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6	25 - 50		11.14	
Pre-rounding dies for sector- shaped Al- and Cu-conductors	10sm - 150se / 120sm		11.14	
Terminals DIN 46234 Pin terminals DIN 46230	10 - 35		11.14	
Insulated terminals	10 - 16		11.14	
Tubular cable lugs and connectors for fine stranded conductors	10 - 50		11.14	
C-clamps	4 - 35		11.15	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 70		11.15	
Tubular nickel cable lugs and connectors Stainless steel tubular cable lugs and connectors	0.5 - 16		11.15	
Cable end-sleeves	10 - 50		11.15	
Twin cable end-sleeves	2 x 4 - 2 x 16		11.15	
Cable end-sleeves, for "compacted" fine stranded conductors	10 - 50		11.16	
Twin cable end-sleeves, for "compacted" fine stranded conductors	2 x 4 - 2 x 16		11.16	

EK18PLUS



- for interchangeable dies DIN 48083, sheet 1
- flip top style closed crimping head, rotates 360°
- two stage hydraulics
- quick motor stop
- motor stop and automatic retraction when crimping is complete
- electronic control and monitoring of crimping operation
- manual retract in case of need
- light diode for battery charge and maintenance control
- also available as mains operated tool, 230 V; Part No. NK18



Crimping force:	60 kN
Stroke:	17 mm
Crimping cycle:	3 s up to 6 s (depending on size)
Weight:	3.7 kg
Battery voltage:	12 V
Battery capacity:	2.6 Ah. approx. 195 crimps (Cu 150 mm² DIN 46235)
Charging time:	60 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	EK18PLUS

Scope of supply:

Basic tool with battery and charger

Steel carrying case:

Dimensions:	432 x 382 x 97 mm
Total weight:	8.8 kg

Accessories:

Crimping dies

Replacement battery: Part No. RA4

Battery charger: Part No. LG4

Quick charger: Part No. LG5

All-main set: Part No. NG1230

Digital meter TC1S, MA18 and TF70

Available dies

Application	Crimping range mm²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	6 - 185		11.4	
Tubular cable lugs and connectors for solid conductors	1.5 - 16		11.4	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	6 - 185		11.4	
Compression cable lugs Al and compression joints Al	10 - 185		11.4	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6	25 - 95		11.5	
Pre-rounding dies for sector- shaped Al- and Cu-conductors	10sm - 240se / 185sm		11.5	
Terminals DIN 46234 Pin terminals DIN 46230	10 - 70		11.5	
Insulated terminals	10 - 50		11.5	
Tubular cable lugs and connectors for fine stranded conductors	10 - 50		11.6	
C-clamps	4 - 50		11.6	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 95		11.6	
Cable end-sleeves	10 - 95		11.6	
Twin cable end-sleeves	2 x 4 - 2 x 16		11.6	
Cable end-sleeves, for "compacted" fine stranded conductors	10 - 95		11.7	
Twin cable end-sleeves, for "compacted" fine stranded conductors	2 x 4 - 2 x 16		11.7	
Cutting jaws	18 mm Ø		11.7	

EK22PLUS



- for interchangeable dies
- flip top style closed crimping head, rotates 360°
- two stage hydraulics
- quick motor stop
- motor stop and automatic retraction when crimping is complete
- electronic control and monitoring of crimping operation
- battery charge indicator
- manual retract in case of need
- light diode for battery charge and maintenance control
- also available as mains operated tool, 230 V; Part No. NK22



Crimping force:	60 kN
Stroke:	17 mm
Crimping cycle:	3 s up to 6 s (depending on size)
Weight:	4.2 kg
Battery voltage:	12 V
Battery capacity:	2.6 Ah. approx. 200 crimps (Cu 150 mm² DIN 46235)
Charging time:	60 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	EK22PLUS

Scope of supply:

Basic tool with battery and charger

Steel carrying case:

Dimensions:	432 x 382 x 97 mm
Total weight:	9.2 kg

Accessories:

Crimping dies

Replacement battery: Part No. RA4

Battery charger: Part No. LG4

Quick charger: Part No. LG5

All-main set: Part No. NG1230

Digital meter TC1S, MA22 and TF70

Available dies

Application	Crimping range mm²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	6-300		11.8	
Tubular cable lugs and connectors Cu for solid conductors	1.5-16		11.8	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	6-300		11.8	
Compression cable lugs Al and compression joints Al	10-240		11.9	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 – 185 mm²	25-185		11.9	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4-120 / 20		11.9	
Pre-rounding dies for sector-shaped Al- and Cu-conductors	10sm-300se/240sm		11.10	
Terminals DIN 46234 Pin terminals DIN 46230	10-70		11.10	
Insulated terminals	10-70		11.10	
Tubular cable lugs and conductors for fine stranded conductors	10-70		11.10	
C-clamps	4-50		11.11	
Insulated tubular cable lugs and connectors Insulated pin terminals	10-150		11.11	
Double compression cable lugs	2 x 50 - 2 x 70		11.11	
Tubular nickel cable lugs and connectors Stainless steel tubular cable lugs and connectors	10-50		11.11	
Cable end-sleeves	10-150		11.12	
Twin cable end-sleeves	2 x 4 - 2 x 16		11.12	
Cable end-sleeves, for "compacted" fine stranded conductors	10-150		11.12	
Twin cable end-sleeves for "compacted" fine stranded conductors	2 x 4 - 2 x 16		11.12	

This tool is also available as UL-certified version:
Part No. EK22WPLUS

EK60VPPLUS



Quad-point indent crimping

- dieless crimping head, no dies to replace
- open crimping head, rotates 360°
- two stage hydraulics
- quick motor stop
- motor stop and automatic retraction when crimping is complete
- electronic control and monitoring of crimping operation
- manual retract in case of need
- light diode for battery charge and maintenance control
- also available as mains operated tool, 230 V;
Part No. NK60VP



Crimping force:	55 kN
Crimping cycle:	5 s
Weight:	5.0 kg
Battery voltage:	12 V
Battery capacity:	2.6 Ah, approx. 195 crimps
Charging time:	60 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	EK60VPPLUS

Scope of supply:

Basic tool with battery and charger
Steel carrying case:

Dimensions:	432 x 382 x 97 mm
Total weight:	10.0 kg

Accessories:

Replacement battery:	Part No. RA3
Battery charger:	Part No. LG4
Quick charger:	Part No. LG5
All-main set:	Part No. NG1230
Test assortment:	Part No. TS10B
Digital meter TC1S, MAVP and TF70	

Application range:

Application	Crimping range mm ²	Crim- ping profile	Reference
Tubular cable-lugs "standard type", Tubular cable-lugs for switch gear connections	10 - 240		
Tubular cable-lugs for fine stranded conductors	10 - 240		
Connectors "standard type"	10 - 120		
Connectors for fine stranded conductors	10 - 95		

EK60VPFTPLUS



Application range:

Application	Crimping range mm ²	Crim- ping profile	Reference
Tubular cable-lugs and connectors "standard type"	16 - 300		
Tubular cable lugs for switch gear connection			
Tubular cable-lugs and connectors for fine stranded conductors	16 - 300		

Quad-point indent crimping

- dieless crimping head, no dies to replace
- flip top style closed crimping head, rotates 360°
- two stage hydraulics
- quick motor stop
- motor stop and automatic retraction when crimping is complete
- electronic control and monitoring of crimping operation
- manual retract in case of need
- light diode for battery charge and maintenance control
- also available as mains operated tool, 230 V;
Part No. NK60VPFT



Crimping force:	55 kN
Crimping cycle:	6 s
Weight:	5.0 kg
Battery voltage:	12 V
Battery capacity:	2.6 Ah, approx. 195 crimps
Charging time:	60 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	EK60VPFTPLUS

Scope of supply:

Basic tool with battery and charger
Steel carrying case:

Dimensions:	432 x 382 x 97 mm
Total weight:	10.0 kg

Accessories:

- Replacement battery: Part No. RA4
- Battery charger: Part No. LG4
- Quick charger: Part No. LG5
- All-main set: Part No. NG1230
- Test assortment: Part No. TS10B
- Digital meter TC1S, MAVP and TF70

EK12025



Wide crimping

- for interchangeable dies
- C-crimp head, rotates 360°
- quick motor stop
- new two stage hydraulics
- motor stop and automatic retraction when crimping is complete
- manual retraction in case of need
- electronic control and monitoring of crimping operation
- light diode for battery charge and maintenance control
- also available as mains operated tool 230 V, Part No. NK12042; resp. 115V, Part No. NK 12042115



Crimping force:	130 kN
Stroke:	25 mm
Crimping cycle:	7.5 s up to 13.5 s (depending on size)
Weight:	7.2 kg
Battery voltage:	12 V
Battery capacity:	2.6 Ah, approx. 65 crimps (Cu 150 mm² DIN 46235)
Charging time:	60 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	EK12025

Scope of supply:

Basic tool with battery and charger
Steel carrying case:

Dimensions:	432 x 382 x 97 mm
Total weight:	15.5 kg

Accessories:

Crimping dies
Replacement battery: Part No. RA 4
Battery charger: Part No. LG 4
Quick charger: Part No. LG 5
All-main set: Part No. NG1230
Digital meter TC1S, MA120 and TF130

Available dies

Application	Crimping range mm²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	16 - 400		11.17	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	16 - 300		11.17	
Compression cable lugs Al and compression joints Al	10 - 240		11.17	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 - 185 mm²	25 - 185		11.18	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4 - 120 / 20		11.18	
Pre-rounding dies for sector- shaped Al- and Cu-conductors	10sm - 300sm		11.18	
Terminals DIN 46234 Pin terminals DIN 46230	16 - 150		11.19	
Insulated terminals	10 - 95		11.19	
Tubular cable lugs and connectors for fine stranded conductors	16 - 150		11.19	
C-clamps	10 - 70		11.19	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 150		11.20	
Double compression cable lugs	2 x 50 - 2 x 95		11.20	
Cable end-sleeves	25 - 240		11.20	
Cable end-sleeves, for "compacted" fine stranded conductors	25 - 240		11.20	

EK12042



Wide crimping

- for interchangeable dies
- C-crimping head, rotates 360°
- quick motor stop
- new two stage hydraulics
- motor stop and automatic retraction when crimping is complete
- manual retraction in case of need
- electronic control and monitoring of crimping operation
- light diode for battery charge and maintenance control
- also available as mains operated tool 230 V, Part No. NK12042; resp. 115V, Part No. NK 12042115



Crimping force:	130 kN
Stroke:	42 mm
Crimping cycle:	8.5 s up to 15 s (depending on size)
Weight:	6.8 kg
Battery voltage:	12 V
Battery capacity:	2.6 Ah, approx. 65 crimps (Cu 150 mm² DIN 46235)
Charging time:	60 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	EK12042

Scope of supply:

Basic tool with battery and charger
Steel carrying case:

Dimensions:	432 x 382 x 97 mm
Total weight:	15.5 kg

Accessories:

Crimping dies
Replacement battery: Part No. RA 4
Battery charger: Part No. LG 4
Quick charger: Part No. LG 5
All-main set: Part No. NG1230
Digital meter TC1S, MA120 and TF130

Available dies

Application	Crimping range mm²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	16 - 400		11.17	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	16 - 300		11.17	
Compression cable lugs Al and compression joints Al	10 - 240		11.17	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 - 185 mm²	25 - 185		11.18	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4 - 120 / 20		11.18	
Pre-rounding dies for sector- shaped Al- and Cu-conductors	10sm - 300sm		11.18	
Terminals DIN 46234 Pin terminals DIN 46230	16 - 150		11.19	
Insulated terminals	10 - 95		11.19	
Tubular cable lugs and connectors for fine stranded conductors	16 - 150		11.19	
C-clamps	10 - 70		11.19	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 150		11.20	
Double compression cable lugs	2 x 50 - 2 x 95		11.20	
Cable end-sleeves	25 - 240		11.20	
Cable end-sleeves, for "compacted" fine stranded conductors	25 - 240		11.20	

EK120UPLUS



Wide crimping

- for interchangeable dies
- H-crimping head, rotates 360°
- quick motor stop
- new two stage hydraulics
- motor stop and automatic retraction when crimping is complete
- manual retraction in case of need
- electronic control and monitoring of crimping operation
- light diode for battery charge and maintenance control
- also available as mains operated tool 230 V, Part No. NK120U; resp. 115V, Part No. NK120U115



Crimping force:	130 kN
Stroke:	20 mm
Crimping cycle:	6 s up to 13 s (depending on size)
Weight:	6.0 kg
Battery voltage:	12 V
Battery capacity:	2.6 Ah, approx. 65 crimps (Cu 150 mm² DIN 46235)
Charging time:	60 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	EK120UPLUS

Scope of supply:

Basic tool with battery and charger
Steel carrying case:

Dimensions:	582 x 422 x 100 mm
Total weight:	14.3 kg

Accessories:

Crimping dies
Replacement battery: Part No. RA 4
Battery charger: Part No. LG 4
Quick charger: Part No. LG 5
All-main set: Part No. NG1230
Digital meter TC1S, MA120 and TF130

Available dies

Application	Crimping range mm²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	16 - 400		11.17	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	16 - 300		11.17	
Compression cable lugs Al and compression joints Al	10 - 240		11.17	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 - 185 mm²	25 - 185		11.18	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4 - 120 / 20		11.18	
Pre-rounding dies for sector- shaped Al- and Cu-conductors	10sm - 300sm		11.18	
Terminals DIN 46234 Pin terminals DIN 46230	16 - 150		11.19	
Insulated terminals	10 - 95		11.19	
Tubular cable lugs and connectors for fine stranded conductors	16 - 150		11.19	
C-clamps	10 - 70		11.19	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 150		11.20	
Double compression cable lugs	2 x 50 - 2 x 95		11.20	
Cable end-sleeves	25 - 240		11.20	
Cable end-sleeves, for "compacted" fine stranded conductors	25 - 240		11.20	

ES32



- battery powered cable cutter for aluminium and copper cables (not for armoured cables)
- cutting head rotates 330°
- quick motor stop
- manual retraction in case of need
- ergonomic design for one hand operation



Cutting range:	Ø 32 mm e.g. 4 x 50 mm² NYY
Cutting time:	4 s
Stroke:	9 mm
Weight:	1.8 kg
Battery voltage:	9.6 V
Battery capacity:	1.3 Ah, approx. 60 cuts (H07V-R 1 x 240 mm² NYY)
Charging time:	40 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	ES32

Scope of supply:

Basic tool with battery and charger
Plastic carrying case:

Dimensions:	450 x 370 x 105 mm
Total weight:	3.8 kg

Accessories:

Replacement battery:	Part No. RAM1
Battery charger:	Part No. LGM4
Quick charger:	Part No. LG5

ESG45PLUS



- cuts steel armoured copper or aluminium cables and Al/St cables (ACSR)
- cutting head rotates 360°, jaws flip open
- two stage hydraulics
- quick motor stop
- electronic control and monitoring of cutting operation
- light diode for battery charge and maintenance controle
- also available as mains operated tool, 230 V; Part No. NSG45



Cutting force:	60 kN
Cutting range:	Ø 45 mm, e.g. Al/St cable 570/40
Cutting time:	8 s up to 18 s (depending on cable size)
Weight:	5.8 kg
Battery voltage:	12 V
Battery capacity:	2.6 Ah, approx. 90 cuts (Al/St cable 570/40)
Charging time:	60 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	ESG45PLUS

Scope of supply:

Basic tool with battery and charger

Steel carrying case:

Dimensions:	432 x 382 x 97 mm
Total weight:	10.0 kg

Accessories:

Spare blades

Stationary blade:

Part No. ESG45EF

Moving blade:

Part No. ESG45ES1

Replacement battery:

Part No. RA4

Battery charger:

Part No. LG4

Quick charger:

Part No. LG5

All-main set:

Part No. NG1230

ESG50PLUS



- cuts copper and aluminium cables (not for armoured cables)
- cutting head rotates 360°, jaws flip open
- two stage hydraulics
- quick motor stop
- electronic control and monitoring of cutting operation
- light diode for battery charge and maintenance controle
- also available as mains operated tool, 230 V; Part No. NSG50



Cutting force:	50 kN
Cutting range:	Ø 48 mm, e.g. 4 x 120 mm² NYY
Cutting time:	10 s up to 24 s (depending on cable size)
Weight:	4.7 kg
Battery voltage:	12 V
Battery capacity:	2.6 Ah, approx. 85 cuts (4 x 120 mm² NYY)
Charging time:	60 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	ESG50PLUS

Scope of supply:

Basic tool with battery and charger
Steel carrying case:

Dimensions:	432 x 382 x 97 mm
Total weight:	10.0 kg

Accessories:

Spare blades	
Stationary blade:	Part No. ESG50EF1
Moving blade:	Part No. ESG50ES
Replacement battery:	Part No. RA4
Battery charger:	Part No. LG4
Quick charger:	Part No. LG5
All-main set:	Part No. NG1230

ES50PLUS



- cuts copper and aluminium cables (not for armoured cables)
- cutting head rotates 360°
- two stage hydraulics
- quick motor stop
- electronic control and monitoring cutting operation
- light diode for battery charge and maintenance control
- also available as mains operated tool, 230 V; Part No. NS50



Cutting force:	50 kN
Cutting range:	Ø 50 mm, e.g. 4 x 150 mm ² NYY
Cutting time:	9 s up to 20 s (depending on cable size)
Weight:	6.3 kg
Battery voltage:	12 V
Battery capacity:	2.6 Ah, approx. 80 cuts (4 x 20 mm ² NYY)
Charging time:	60 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	ES50PLUS

Scope of supply:

Basic tool with battery and charger

Steel carrying case:

Dimensions:	582 x 422 x 100 mm
Total weight:	14.2 kg

Accessories:

Spare blade:	Part No. K5021E
Replacement battery:	Part No. RA4
Battery charger:	Part No. LG4
Quick charger:	Part No. LG5
All-main set:	Part No. NG1230

ESG85PLUS



- cuts copper and aluminium cables (not for armoured cables)
- cutting head rotates 360°, jaws flip open
- two stage hydraulics,
- quick motor stop
- electronic control and monitoring of cutting operation
- light diode for battery charge and maintenance controle
- also available as mains operated tool, 230 V; Part No. NSG85



Cutting force:	60 kN
Cutting range:	Ø 85 mm, e.g. 4 x 240 mm ² NYY
Cutting time:	21 s up to 40 s (depending on cable size)
Weight:	7.3 kg
Battery voltage:	12 V
Battery capacity:	2.6 Ah, approx. 40 cuts (4 x 240 mm ² NYY)
Charging time:	60 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	ESG85PLUS

Scope of supply:

Basic tool with battery and charger

Steel carrying case:

Dimensions:	582 x 422 x 100 mm
Total weight:	15.3 kg

Accessories:

Spare blades	
Stationary blade:	Part No. ESG85EF
Moving blade:	Part No. ESG85ES
Replacement battery:	Part No. RA4
Battery charger:	Part No. LG4
Quick charger:	Part No. LG5
All-main set:	Part No. NG1230

ES85



- cuts aluminium and copper cables
(not for armoured cables)
- cutting head rotates 360°
- two stage hydraulics
- quick motor stop
- electronic control and monitoring cutting operations
- battery charge indicator
- light diode for battery charge and maintenance controls
- also available as mains operated tool, 230 V;
Part No. NS85

Cutting force:	60 kN
Cutting range:	Ø 85 mm, e.g. 4 x 240 mm² NYY
Cutting time:	10 s up to 25 s (depending on cable size)
Weight:	7.4 kg
Battery voltage:	12 V
Battery capacity:	2.6 Ah, approx. 40 cuts (4 x 240 mm² NYY)
Charging time:	60 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	ES85

Scope of supply:

Basic tool with battery and charger

Steel carrying case:

Dimensions:	582 x 422 x 100 mm
Total weight:	15.4 kg

Accessories:

Replacement battery:	Part No. RA4
Battery charger:	Part No. LG4
Quick charger:	Part No. LG5
All-main set:	Part No. NG1230

EK60UNV

**Crimping, cutting and punching with just one single tool**

- tool with flip-top universal head for adapters and dies for various application
- head rotates 360°
- two stage hydraulics
- quick motor stop
- motor stop and automatic retraction when crimping is complete
- electronic control of operation cycles
- manual retract in case of need
- light diode for battery charge and maintenance controle
- also available as mains operated tool, 230 V; Part No. NK60UNV



Cutting time:	8 s bis 20 s (depending on cable diameter)
Crimping force:	60 kN
Stroke:	42 mm
Crimping cycle:	5 s up to 8 s (depending on cable size)
Weight:	4.5 kg
Battery voltage:	12 V
Battery capacity:	2.6 Ah, approx. 185 crimps (Cu 150 mm² DIN 46235) or, approx. 60 holes (Pg 48 in 3.0 mm mild steel) or, approx. 70 cuts (4 x 70 mm² NYY)
Charging time:	60 min. (15 min. with quick charger)
Ambient temperature:	-20 °C up to +40 °C
Part No.	EK60UNV

Scope of supply:

Basic tool with universal head
Plastic carrying case:

Dimensions:	535 x 425 x 177 mm
Total weight:	9.5 kg

Accessories:

Dies and adapter	
Replacement battery:	Part No. RA4
Battery charger:	Part No. LG4
Quick charger:	Part No. LG5
All-main set:	Part No. NG1230

Adapter	crimping	Part No.:
	UA22 adapter for dies series: K22/ EK22plus/ PK22/ HK6022/ THK22	UA22
	UA18 adapter for dies series: K18 / EK18plus / PK18 / HK6018 / THK18	UA18
	UA5 Adapter for dies series: HK5	UA5
Adapter	cutting	Part No.:
	Cutting dies for cutting ACSR cables (Al/St cable) acc. to DIN 48204 and EHS guy wire UCACSR up to Ø 40 mm	UCACSR
	Cutting dies for cutting multistranded, non armoured Cu/Al cables. Not for fine stranded cables. up to Ø 26 mm	UC26
	up to Ø 40 mm	UC40
Adapter	punching	Part No.:
	Punching adapter punching capacities in 3.0 mm mild St up to 64 mm round up to 92 x 92 mm square up to 46 x 92 mm rectangular	UA6P
Adapter	Special applications	Part No.:
	Cutting dies for cutting threaded rods M5 M6 M8 M10 M12 1/4" 3/8" 1/2"	UCM5 UCM6 UCM8 UCM10 UCM12 UCUNC14 UCUNC38 UCUNC12
	Cutting dies for cutting DIN rails 35 x 15 DIN rails 32 x 15 x 9 DIN rails 35 x 7.5	UCD3515 UCD3215 UCD3575
	Cutting dies Niedax-rail 2980	UCN2980
	Dies to punch DIN rails (35 x 15; 32 x 15 x 9; 35 x 7.5)	UPD6

PK18



- to be connected to hydraulic drive units
- narrow crimp
- for interchangeable dies, DIN 48083, sheet 1

Crimping force:	60 kN
Operating pressure:	max. 700 bar
Stroke:	17 mm
Weight:	3.2 kg
Part No.	PK18

**Scope of supply:**

Crimping head with carrying bag

Accessories:

Crimping dies

Available dies

Application	Crimping range mm²	Crimping profile	Catalogue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	6 - 185		11.4	
Tubular cable lugs and connectors for solid conductors	1.5 - 16		11.4	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	6 - 185		11.4	
Compression cable lugs Al and compression joints Al	10 - 185		11.4	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6	25 - 95		11.5	
Pre-rounding dies for sector-shaped Al- and Cu-conductors	10sm - 240se / 185sm		11.5	
Terminals DIN 46234 Pin terminals DIN 46230	10 - 70		11.5	
Insulated terminals	10 - 50		11.5	
Tubular cable lugs and connectors for fine stranded conductors	10 - 50		11.6	
C-clamps	4 - 50		11.6	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 95		11.6	
Cable end-sleeves	10 - 95		11.6	
Twin cable end-sleeves	2 x 4 - 2 x 16		11.6	
Cable end-sleeves, for "compacted" fine stranded conductors	10 - 95		11.7	
Twin cable end-sleeves, for "compacted" fine stranded conductors	2 x 4 - 2 x 16		11.7	
Cutting jaws	18 mm Ø		11.7	

PK22



- to be connected to hydraulic drive units
- narrow crimp
- for interchangeable dies

Crimping force:	60 kN
Operating pressure:	max. 700 bar
Stroke:	17 mm
Weight:	3.0 kg
Part No.	PK22

Scope of supply:

Crimping head with carrying bag

Accessories:

Crimping dies

Digital meter TC1S, MA22 and TF70

This tool is also available as UL-certified version:
Part No. PK22W

Available dies

Application	Crimping range mm ²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	6-300		11.8	
Tubular cable lugs and connectors Cu for solid conductors	1.5-16		11.8	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	6-300		11.8	
Compression cable lugs Al and compression joints Al	10-240		11.9	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 – 185 mm ²	25-185		11.9	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4- 120 / 20		11.9	
Pre-rounding dies for sector- shaped Al- and Cu-conductors	10sm- 300se/240sm		11.10	
Terminals DIN 46234 Pin terminals DIN 46230	10-70		11.10	
Insulated terminals	10-70		11.10	
Tubular cable lugs and conductors for fine stranded conductors	10-70		11.10	
C-clamps	4-50		11.11	
Insulated tubular cable lugs and connectors Insulated pin terminals	10-150		11.11	
Double compression cable lugs	2 x 50 - 2 x 70		11.11	
Tubular nickel cable lugs and connectors Stainless steel tubular cable lugs and connectors	10-50		11.11	
Cable end-sleeves	10-150		11.12	
Twin cable end-sleeves	2 x 4 - 2 x 16		11.12	
Cable end-sleeves, for "compacted" fine stranded conductors	10-150		11.12	
Twin cable end-sleeves for "compacted" fine stranded conductors	2 x 4 - 2 x 16		11.12	

PK60VP



Quad-point indent crimping

- to be connected to hydraulic drive units
- dieless crimping head, no dies to replace
- open crimping head



Crimping force:	55 kN
Operating pressure:	max. 700 bar
Weight:	2.8 kg
Part No.	PK60VP

Scope of supply:

Crimping head with carrying bag

Accessories:

Digital meter TC1S, MAVP and TF70

Test assortment: Part No. TS10B

Application range:

Application	Crimping range mm ²	Crim- ping profile	Reference
Tubular cable-lugs "standard type", Tubular cable-lugs for switch gear connections	10 - 240		
Tubular cable-lugs for fine stranded conductors	10 - 240		
Connectors "standard type"	10 - 120		
Connectors for fine stranded conductors	10 - 95		

PK60VPFT



Quad-point indent crimping

- to be connected to hydraulic drive units
- flip top style closed
- dieless crimping head, no dies to replace



Crimping force:	55 kN
Operating pressure:	max. 700 bar
Weight:	2.8 kg
Part No.	PK60VPFT

Scope of supply:

Crimping head with carrying bag

Accessories:

Digital meter TC1S, MAVP and TF70
Test assortment: Part No. TS10B

Application range:

Application	Crimping range mm²	Crim- ping profile	Reference
Tubular cable-lugs and connectors "standard type" Tubular cable lugs for switch gear connection	16 - 300		
Tubular cable-lugs and connectors for fine stranded conductors	16 - 300		

PK12038



Wide crimping

- to be connected to hydraulic drive units
- for interchangeable dies
- C-shaped crimping head



Crimping force:	130 kN
Operating pressure:	max. 700 bar
Stroke:	38 mm
Weight:	5.5 kg
Part No.	PK12038

Scope of supply:

Crimping head with carrying bag

Accessories:

Crimping dies
Digital meter TC1S, MA120 and TF130

Available dies

Application	Crimping range mm²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	16 - 400		11.17	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	16 - 300		11.17	
Compression cable lugs Al and compression joints Al	10 - 240		11.17	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 - 185 mm²	25 - 185		11.18	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4 - 120 / 20		11.18	
Pre-rounding dies for sector- shaped Al- and Cu-conductors	10sm - 300sm		11.18	
Terminals DIN 46234 Pin terminals DIN 46230	16 - 150		11.19	
Insulated terminals	10 - 95		11.19	
Tubular cable lugs and connectors for fine stranded conductors	16 - 150		11.19	
C-clamps	10 - 70		11.19	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 150		11.20	
Double compression cable lugs	2 x 50 - 2 x 95		11.20	
Cable end-sleeves	25 - 240		11.20	
Cable end-sleeves, for "compacted" fine stranded conductors	25 - 240		11.20	

PK120U



Wide crimping

- to be connected to hydraulic drive units
- for interchangeable dies
- H-shaped crimping head

Crimping force:	130 kN
Operating pressure:	max. 700 bar
Stroke:	20 mm
Weight:	3.7 kg
Part No.	PK120U

Scope of supply:

Crimping head with carrying bag

Accessories:

Crimping dies
Digital meter TC1S, MA120 and TF130

Available dies

Application	Crimping range mm ²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	16 - 400		11.17	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	16 - 300		11.17	
Compression cable lugs Al and compression joints Al	10 - 240		11.17	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 - 185 mm ²	25 - 185		11.18	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4 - 120 / 20		11.18	
Pre-rounding dies for sector- shaped Al- and Cu-conductors	10sm - 300sm		11.18	
Terminals DIN 46234 Pin terminals DIN 46230	16 - 150		11.19	
Insulated terminals	10 - 95		11.19	
Tubular cable lugs and connectors for fine stranded conductors	16 - 150		11.19	
C-clamps	10 - 70		11.19	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 150		11.20	
Double compression cable lugs	2 x 50 - 2 x 95		11.20	
Cable end-sleeves	25 - 240		11.20	
Cable end-sleeves, for "compacted" fine stranded conductors	25 - 240		11.20	

PK252



- to be connected to hydraulic drive units
- wide crimping
- for interchangeable dies



Crimping force:	250 kN
Operating pressure:	max. 700 bar
Weight:	5.3 kg
Part No.	PK252

Scope of supply:

Crimping head with carrying bag

Accessories:

Crimping dies

Available dies

Application	Crimping range mm ²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	16 - 400		11.21	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	16 - 625		11.21	
Compression cable lugs Al and compression joints Al	10 - 500		11.21	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 - 300 mm ²	25 - 300		11.22	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4 - 120 / 20		11.22	
Pre-rounding dies for sector- shaped Al- and Cu-conductors	10sm - 300sm		11.22	
Terminals DIN 46234 Pin terminals DIN 46230	16 - 240		11.23	
Insulated terminals	10 - 150		11.23	
Tubular cable lugs and connectors for fine stranded conductors	16 - 300		11.23	
C-clamps	10 - 185		11.24	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 150		11.24	
Double compression cable lugs	2 x 50 - 2 x 120		11.24	
Cable end-sleeves	25 - 240		11.25	
Cable end-sleeves. for "compacted" fine stranded conductors	25 - 240		11.25	

PK45



- to be connected to hydraulic drive units
- wide crimping
- for interchangeable dies

Crimping force:	450 kN
Operating pressure:	max. 700 bar
Weight:	10.3 kg
Part No.	PK45

Scope of supply:
Crimping head with carrying bag

Accessories:
Crimping dies

Available dies

Application	Crimping range mm²	Crim- ping profile	Cata- logue page	Reference
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	120 - 1000		11.26	
Compression cable lugs Al	150 - 500		11.26	
Compression joints for full tension connections of aluminium conductors according to DIN 48201, sheet 5	150 - 300		11.26	

SDG45

- to be connected to hydraulic drive units
- cuts steel armoured copper or aluminium cables and Al/St cables (ACSR)

Cutting range: Ø 45 mm, e.g. Al/St cable 570/40

Operating pressure: max. 700 bar

Length: 340 mm

Weight: 4.2 kg

Part No. **SDG45**

Scope of supply:

Cutting head with carrying bag

Accessories:

Spare blades

Stationary blade: Part No. ESG45EF

Moving blade: Part No. ESG45ES1

SDG50



- to be connected to hydraulic drive units
- cuts copper and aluminium cables
(not for armoured cables)

Cutting range:	Ø 50 mm, e.g. 4 x 120 mm ² NYY
Operating pressure:	max. 700 bar
Length:	330 mm
Weight:	2.3 kg
Part No.	SDG50

Scope of supply:

Cutting head with carrying bag

Accessories:

Spare blades	
Stationary blade:	Part No. ESG50EF1
Moving blade:	Part No. ESG50ES

SDG85



- to be connected to hydraulic drive units
- cuts copper and aluminium cables
(not for armoured cables)

Cutting range:	Ø 85 mm, e.g. 4 x 240 mm ² NYY
Operating pressure:	max. 700 bar
Length:	420 mm
Weight:	5.9 kg
Part No.	SDG85

Scope of supply:

Cutting head with carrying bag

Accessories:

Spare blades	
Moving blade:	Part No. ESG85EF
Stationary blade:	Part No. ESG85ES

SDK502



- to be connected to hydraulic drive units
- cuts copper and aluminium cables (not for armoured cables).

Cutting range:	Ø 50 mm
Operating pressure:	max. 700 bar
Weight:	4.6 kg
Part No.	SDK502

Scope of supply:

Cutting head with carrying bag

SDK202



- to be connected to hydraulic drive units
- cuts copper and aluminium cables (not for armoured cables).

Cutting range:	Ø 90 mm
Operating pressure:	max. 700 bar
Weight:	4.6 kg

Scope of supply:

Cutting head with carrying bag

Version:Cutting range 90 mm Ø
Part No. **SDK2021**Cutting range 120 mm Ø
Part No. **SDK2022**

PK60UNV

Klauke^{multi}

- to be connected to hydraulic drive units
- crimping, cutting and punching with just one single tool for interchangeable dies



Crimping force:	60 kN
Operating pressure:	max. 700 bar
Weight:	3.0 kg
Part No.	PK60UNV

Scope of supply:

Universal tool with carrying bag

Accessories:

Dies
Adapter

Adapter	crimping	Part No.:
	UA22 adapter for dies series: K22/ EK22plus/ PK22/ HK6022/ THK22	UA22
	UA18 adapter for dies series: K18 / EK18plus / PK18 / HK6018 / THK18	UA18
	UA5 Adapter for dies series: HK5	UA5
Adapter	cutting	Part No.:
	Cutting dies for cutting ACSR cables (Al/St cable) acc. to DIN 48204 and EHS guy wire UCACSR up to Ø 40 mm	UCACSR
	Cutting dies for cutting multistranded, non armoured Cu/Al cables. Not for fine stranded cables. up to Ø 26 mm	UC26
	up to Ø 40 mm	UC40
Adapter	punching	Part No.:
	Punching adapter punching capacities in 3.0 mm mild St up to 64 mm round up to 92 x 92 mm square up to 46 x 92 mm rectangular	UA6P
Adapter	Special applications	Part No.:
	Cutting dies for cutting threaded rods M5 M6 M8 M10 M12 1/4" 3/8" 1/2"	UCM5 UCM6 UCM8 UCM10 UCM12 UCUNC14 UCUNC38 UCUNC12
	Cutting dies for cutting DIN rails 35 x 15 DIN rails 32 x 15 x 9 DIN rails 35 x 7.5	UCD3515 UCD3215 UCD3575
	Cutting dies Niedax-rail 2980	UCN2980
	Dies to punch DIN rails (35 x 15; 32 x 15 x 9; 35 x 7.5)	UPD6

TEKP1



- stationary basic tool incorporates a tool holder which enables quick and easy change of crimping heads
- compatible with all crimping heads of the Klauke Pro-Series
- The tool operates with a foot switch which needs to be actuated during the entire crimping cycle to comply with CE safety regulations. Ergonomic design of the cover for comfortable and low-stress use. Designed for long term application

Weight:	13.0 kg
Mains voltage:	220 - 240 V
Part No.	TEKP1

Crimping heads

Crimping heads for cable end sleeves		Crimping range mm ²	Crimping profile	Part No.:
	Cable end-sleeves, trapezoid crimping	0.14 - 6		KP312
	Cable end-sleeves, square crimping	0.14 - 10		KP303
	Cable end-sleeves, square crimping	10 - 16		KP304
	Cable end-sleeves, round crimping for narrow spaces	1.5 - 6		KP351
	Cable end-sleeves, round crimping for narrow spaces	10 - 16		KP352
	Cable end-sleeves DIN 46228, part 2, round crimping	0.5 - 2.5		KP66
Crimping heads for insulated terminals		Crimping range mm ²	Crimping profile	Part No.:
	Insulated terminals (yellow and red)	0.1 - 1		KP80
	Insulated terminals (red and blue)	0.5 - 2.5		KP81
	Insulated terminals (yellow)	4 - 6		KP83
Crimping heads for cable lugs and solderless terminals		Crimping range mm ²	Crimping profile	Part No.:
	Non-insulated cable lugs and terminals	0.5 - 6		KP232
	Non-insulated cable lugs and terminals	4 - 10		KP242

THK18



- to be connected to hydraulic drive units
- for work bench assembly
- for interchangeable dies, DIN 48083, sheet 1

Crimping force:	60 kN
Operating pressure:	max. 700 bar
Height:	245 mm
Width:	base plate: approx. 160 mm
Depth:	80 mm
Weight:	8.2 kg
Part No.	THK18

Accessories:

Crimping dies

Available dies

Application	Crimping range mm ²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	6 - 185		11.4	
Tubular cable lugs and connectors for solid conductors	1.5 - 16		11.4	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	6 - 185		11.4	
Compression cable lugs Al and compression joints Al	10 - 185		11.4	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6	25 - 95		11.5	
Pre-rounding dies for sector- shaped Al- and Cu-conductors	10sm - 240se / 185sm		11.5	
Terminals DIN 46234 Pin terminals DIN 46230	10 - 70		11.5	
Insulated terminals	10 - 50		11.5	
Tubular cable lugs and connectors for fine stranded conductors	10 - 50		11.6	
C-clamps	4 - 50		11.6	
Insulated tubular cable lugs and connectors				
Insulated pin terminals	10 - 95		11.6	
Cable end-sleeves	10 - 95		11.6	
Twin cable end-sleeves	2 x 4 - 2 x 16		11.6	
Cable end-sleeves, for "compacted" fine stranded conductors	10 - 95		11.7	
Twin cable end-sleeves, for "compacted" fine stranded conductors	2 x 4 - 2 x 16		11.7	
Cutting jaws	18 mm Ø		11.7	

THK22



- to be connected to hydraulic drive units
- for work bench assembly
- for interchangeable dies

Crimping force:	60 kN
Operating pressure:	max. 700 bar
Height:	245 mm
Width:	base plate: approx. 160 mm
Depth:	120 mm
Weight:	12.3 kg
Part No.	THK22

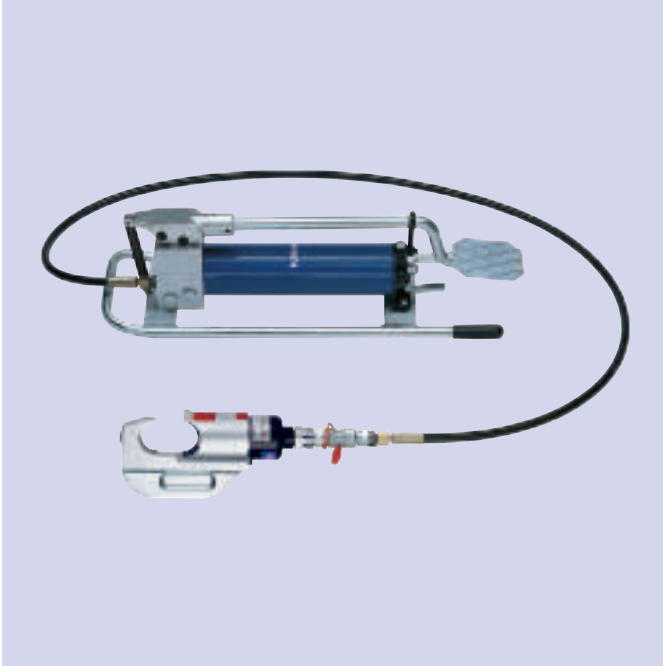
Accessories:

Crimping dies

Available dies

Application	Crimping range mm ²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	6-300		11.8	
Tubular cable lugs and connectors Cu for solid conductors	1.5-16		11.8	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	6-300		11.8	
Compression cable lugs Al and compression joints Al	10-240		11.9	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 – 185 mm ²	25-185		11.9	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4-120 / 20		11.9	
Pre-rounding dies for sector-shaped Al- and Cu-conductors	10sm-300se/240sm		11.10	
Terminals DIN 46234				
Pin terminals DIN 46230	10-70		11.10	
Insulated terminals	10-70		11.10	
Tubular cable lugs and conductors for fine stranded conductors	10-70		11.10	
C-clamps	4-50		11.11	
Insulated tubular cable lugs and connectors				
Insulated pin terminals	10-150		11.11	
Double compression cable lugs	2 x 50 - 2 x 70		11.11	
Tubular nickel cable lugs and connectors				
Stainless steel tubular cable lugs and connectors	10-50		11.11	
Cable end-sleeves	10-150		11.12	
Twin cable end-sleeves	2 x 4 - 2 x 16		11.12	
Cable end-sleeves, for "compacted" fine stranded conductors	10-150		11.12	
Twin cable end-sleeves for "compacted" fine stranded conductors	2 x 4 - 2 x 16		11.12	

HK122



- hydraulic crimping tool with foot pump including 2 m high pressure hose and quick action hose coupling
- for interchangeable dies
- C-shape crimping head

Crimping force:	130 kN
Operating pressure:	max. 700 bar
Weight:	17.7 kg
Part No.	HK122

Accessories:

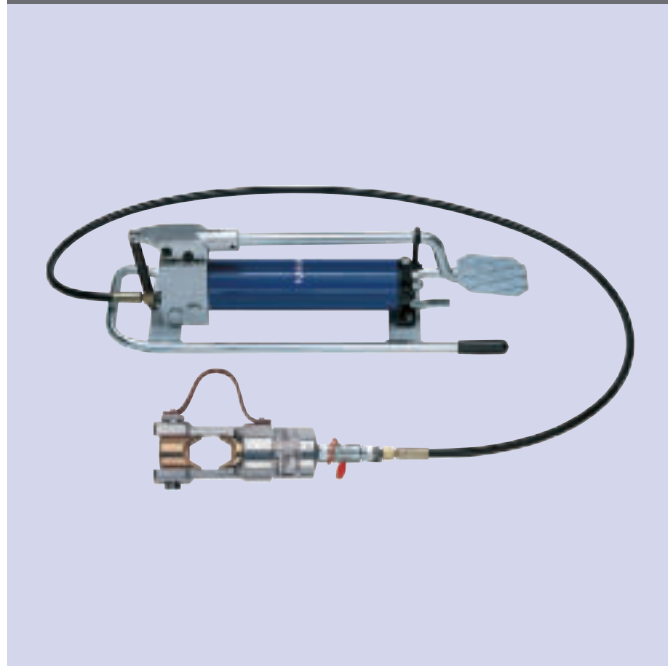
Steel carrying case:
Steel carrying case MKU
for storage of hydraulic crimping tool HK122 and dies
Catalogue page 8.13

High pressure hoses in
3, 4, 5, 6, 8 and 10 m length
Crimping dies
Digital meter TC1S, MA120 and TF130

Available dies

Application	Crimping range mm ²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	16 - 400		11.17	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	16 - 300		11.17	
Compression cable lugs Al and compression joints Al	10 - 240		11.17	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 - 185 mm ²	25 - 185		11.18	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4 - 120 / 20		11.18	
Pre-rounding dies for sector-shaped Al- and Cu-conductors	10sm - 300sm		11.18	
Terminals DIN 46234 Pin terminals DIN 46230	16 - 150		11.19	
Insulated terminals	10 - 95		11.19	
Tubular cable lugs and connectors for fine stranded conductors	16 - 150		11.19	
C-clamps	10 - 70		11.19	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 150		11.20	
Double compression cable lugs	2 x 50 - 2 x 95		11.20	
Cable end-sleeves	25 - 240		11.20	
Cable end-sleeves, for "compacted" fine stranded conductors	25 - 240		11.20	

HK252



- hydraulic crimping tool with foot pump including 2 m high pressure hose and quick action hose coupling
- for interchangeable dies DIN 48083, part 3
- H-shape crimping head

Crimping force:	250 kN
Operating pressure:	max. 700 bar
Weight:	17.6 kg
Part No.	HK252

Accessories:

Steel carrying case:
Steel carrying case MKU
for storage of hydraulic crimping tool HK252 and dies
Catalogue page 8.13

High pressure hoses in
3, 4, 5, 6, 8 and 10 m length
Crimping dies

Available dies

Application	Crimping range mm ²	Crim- ping profile	Cata- logue page	Reference
Tubular cable lugs and connectors "standard type", tubular cable lugs for switch gear connections	16 - 400		11.21	
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	16 - 625		11.21	
Compression cable lugs Al and compression joints Al	10 - 500		11.21	
Compression joints for full tension connections of Aldrey-conductors according to DIN 48201, sheet 6 and Al-conductors DIN 48201, sheet 5, 120 - 300 mm ²	25 - 300		11.22	
Compression joints DIN 48085, part 3 for Al-/steel conductors DIN 48204	25 / 4 - 120 / 20		11.22	
Pre-rounding dies for sector-shaped Al- and Cu-conductors	10sm - 300sm		11.22	
Terminals DIN 46234 Pin terminals DIN 46230	16 - 240		11.23	
Insulated terminals	10 - 150		11.23	
Tubular cable lugs and connectors for fine stranded conductors	16 - 300		11.23	
C-clamps	10 - 185		11.24	
Insulated tubular cable lugs and connectors Insulated pin terminals	10 - 150		11.24	
Double compression cable lugs	2 x 50 - 2 x 120		11.24	
Cable end-sleeves	25 - 240		11.25	
Cable end-sleeves for "compacted" fine stranded conductors	25 - 240		11.25	

HK45



- hydraulic crimping tool with foot pump including 2 m high pressure hose and quick action hose coupling
- for interchangeable dies
- H-shape crimping head

Crimping force:	450 kN
Operating pressure:	max. 700 bar
Weight:	23.0 kg
Part No.	HK45

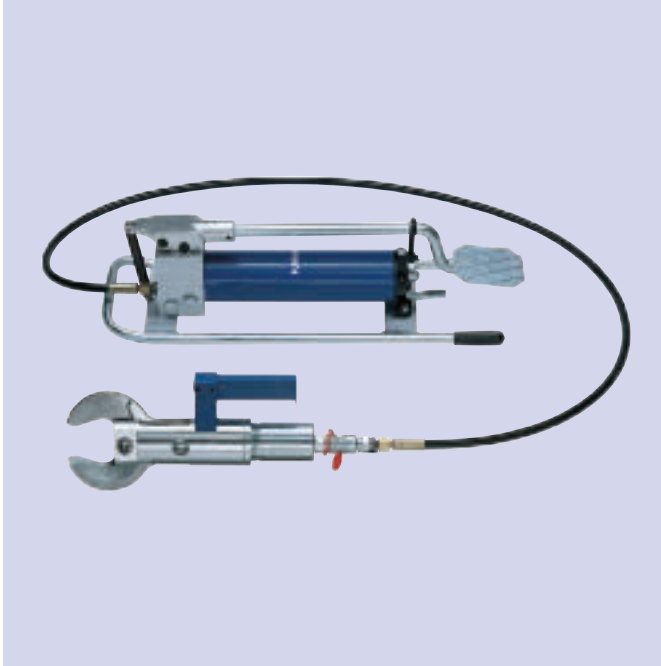
Accessories:

Steel carrying case:
Steel carrying case MKU
for storage of hydraulic crimping tool HK45 and dies
Catalogue page 8.13

High pressure hoses in
3, 4, 5, 6, 8 and 10 m length
Crimping dies

Available dies

Application	Crimping range mm ²	Crim- ping profile	Cata- logue page	Reference
Tubular compression cable lugs and compression joints DIN 46235 / DIN 46267, part 1	120 - 1000		11.26	
Compression cable lugs Al	150 - 500		11.26	
Compression joints for full tension connections of aluminium conductors according to DIN 48201, sheet 5	150 - 300		11.26	

K502

- cuts copper and aluminium cables
(not armoured cables)

Cutting range:	Ø 50 mm
Operating pressure:	max. 700 bar
Weight:	21.6 kg
Part No.	K502

Scope of supply:

Foot pump including 2 m high pressure hose

Accessories:

Steel carrying case:
Steel carrying case MKU
for storage of hydraulic cutting tool K502
Catalogue page 8.13

High pressure hoses in
3, 4 and 5 m length

K2021 / K2022

- cuts copper and aluminium cables
(not for armoured cables)

Cutting range:	Ø 90mm or 120mm
Operating pressure:	max. 700 bar
Weight:	29.5 kg
Part No.	K2021

Scope of supply:

Foot pump including 2 m high pressure hose

Accessories:

Steel carrying case:
Steel carrying case MKU
for storage of hydraulic cutting tool K202
Catalogue page 8.13

High pressure hoses in
3, 4, 5, 6, 8 and 10 m length

Version:

Cutting range 90 mm Ø
Part No. **K2021**

Cutting range 120 mm Ø
Part No. **K2022**

SSG852 / SSG902 / SSG1202

Operating pressure:	625 bar
Weight:	26.0 kg
Cutting range:	Ø 55 mm
	closed head
Part No.	SSG852

Operating pressure:	625 bar
Weight:	31.0 kg
Cutting range:	Ø 90 mm
	open head
Part No.	SSG902

Operating pressure:	625 bar
Weight:	32.0 kg
Cutting range:	Ø 120 mm
	open head
Part No.	SSG1202

- these portable Safety cutting unit guarantee safe cuts of live copper and aluminium cables up to a rated voltage of 30 kV (acc. to DIN VDE 0105 part 100, paragraph 9.2.3) where a definite identification of the dead state cannot be ascertained.
- these Safety cutting units can be used at an ambient temperature range of -20 °C up to +40 °C in both inside and outside sites, even in case of rainfall.
- it is not allowed to cut with these Safety cutting units special armoured cables (pit cables, self supporting transmission lines, sea cables etc.)
- GS Test Certification (No. 00246)

**Scope of supply:**

Cutting head, foot pump with pressure gauge and
10 m high pressure hose,
quick coupling and transport case

Accessories:

Heat protection blanket 1.80 m x 1.80 m, Part No. HSD1
Heat protection blanket 1.20 m x 0.90 m, Part No. HSD2
Heat protection blanket 0.45 m x 0.60 m, Part No. HSD3

HK122EL

- with crimping head, 130 kN crimping force

Scope of supply:

Electro hydraulic pump with crimping head
2 m high pressure hose,
10 m connecting cable,
foot switch, transport trolley

- crimping dies and accessories
as for HK122
chart Catalogue page 10.45

Version:	3-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
Part No.	HK122EL380

Version:	AC motor 230 V
Rated output:	0.75 kW
Motor voltage:	230 V / 50 Hz
Capacity:	0.9 l/min
Operating pressure:	max. 700 bar
Weight:	52.8 kg
Part No.	HK122EL220

HK252EL

- with crimping head, 250 kN crimping force

Scope of supply as HK122EL

- crimping dies and accessories
as for HK252
chart Catalogue page 10.46

Version:	3-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:	45.9 kg
Part No.	HK252EL380

Version:	AC motor 230 V
Rated output:	0.75 kW
Motor voltage:	230 V / 50 Hz
Capacity:	0.9 l/min
Operating pressure:	max. 700 bar
Weight:	53.0 kg
Part No.	HK252EL220

K303

- cuts copper and aluminium cables (not for armoured cables)
- hydraulic cable cutter with electro hydraulic drive
- cutting range 90 or 120 mm Ø

Scope of supply:

Cutter available either with
3-phase motor or with AC motor
Transport trolley
2 x 2 m high pressure hoses
10 m connecting cable

Accessories:

High pressure hoses
in 3, 4, 5, 6, 8 and 10 m length

Version:	3-phase motor 400 V
Rated output:	0.75 kW
Motor voltage:	360 V - 440 V / 50 Hz
Capacity:	1.5 l/min
Operating pressure:	max. 700 bar
Weight:	54.0 kg
Cutting range:	Ø 90 mm
Part No.	K3031380

Version:	AC motor 230 V
Rated output:	0.75 kW
Motor voltage:	230 V / 50 Hz
Capacity:	0.9 l/min
Operating pressure:	max. 700 bar
Weight:	54.0 kg
Cutting range:	Ø 90 mm
Part No.	K3031220

Version:	3-phase motor 400 V
Rated output:	0.75 kW
Motor voltage:	360 V - 440 V / 50 Hz
Capacity:	1.5 l/min
Operating pressure:	max. 700 bar
Weight:	54.0 kg
Cutting range:	Ø 120 mm
Part No.	K3032380

Version:	AC motor 230 V
Rated output:	0.75 kW
Motor voltage:	230 V / 50 Hz
Capacity:	0.9 l/min
Operating pressure:	max. 700 bar
Weight:	54.0 kg
Cutting range:	Ø 120 mm
Part No.	K3032220

K404

Version:	1-cyl. 4-stroke engine, 3 kW
Capacity:	1.5 l/min
Operating pressure:	max. 700 bar
Weight:	64.0 kg
Cutting range:	Ø 90 mm
Part No.	K4041

Version:	1-cyl. 4-stroke engine, 3 kW
Capacity:	1.5 l/min
Operating pressure:	max. 700 bar
Weight:	64.0 kg
Cutting range:	Ø 120 mm
Part No.	K4042

- hydraulic cable cutter
- hydraulic pump with petrol engine
- electrical control via battery-powered 12V solenoid valves
- optical charge indicator

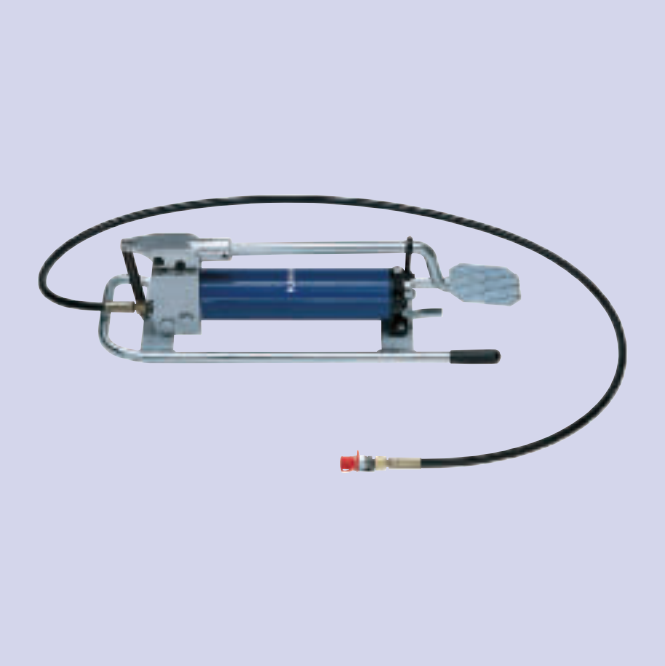
Scope of supply:

Cutter with petrol motor hydraulic drive
 Transport trolley
 2 x 2 m high pressure hoses
 Battery charger 230/12 V

Accessories:

High pressure hoses
 in 3, 4, 5, 6, 8 and 10 m length

FHP2



- foot operated pump to drive hydraulic crimping and cutting head
- including 2 m high pressure hose and coupler plug

Accessories:

For crimping heads:
High pressure hoses in
3, 4, 5, 6, 8 and 10 m length

For cutting heads:
High pressure hoses in
3, 4 and 5 m length

Operating pressure:	max. 700 bar
Weight:	12.0 kg
Part No.	FHP2

PHD1



- air-oil booster to drive hydraulic crimping heads
- including 2 m high pressure hose and coupler plug

Required air pressure:	max. 6 bar
Operating pressure:	max. 630 bar
Weight:	6.3 kg
Part No.	PHD1

EHP2



- electro hydraulic unit
- for hydraulic crimping and cutting heads

**Scope of supply:**

Electro hydraulic pump
including 2 m high pressure hose
and coupler plug,
10 m connecting cable and
foot switch

Accessories:

Two hand safety control system, transport trolley,
hydraulic hoses in 2, 4, 5, 6, 8 and 10 m length

Version:	3-phase motor
Rated output:	0.55 kW
Motor voltage:	360 V - 440 V / 50 Hz
Capacity:	0.82 l/min
Operating pressure:	max. 700 bar
Weight:	22.9 kg
Part No.	EHP2380

Version:	AC motor
Rated output:	0.75 kW
Motor voltage:	230 V / 50 Hz
Capacity:	0.9 l/min
Operating pressure:	max. 700 bar
Weight:	27.9 kg
Part No.	EHP2220

EHP3



- for hydraulic crimping and cutting heads
- electro hydraulic unit
- for continuous operation

**Scope of supply:**

Electro hydraulic pump
including 2 m high pressure hose
and coupler plug,
10 m connecting cable,
foot switch

Accessories:

Two hand safety control system, transport trolley,
hydraulic hoses in 2, 4, 5, 6, 8 and 10 m length

Version:	3-phase motor
Rated output:	1.1 kW
Motor voltage:	360 V - 440 V / 50 - 60 Hz
Capacity:	0.9 l/min
Operating pressure:	max. 700 bar
Weight:	40.9 kg
Part No.	EHP3

EHP5

- for hydraulic crimping and cutting tools
- electro hydraulic pump for 230 V AC
- optical charging indicator
- handy pendant "touch" control

Scope of supply:

Pump unit including control mechanism,
aluminium case and carrying strap,
plug, pendant "touch" control,
3 m high pressure hose including coupler

Rated output:	0.37 kW
Motor voltage:	24 V DC
Capacity:	0.4 / 0.8 l/min
Operating pressure:	max. 700 bar
Dimension (l x b x h):	400 x 240 x 380 mm
Weight:	21.0 kg
Max. oil volume:	1.1 l
Useable oil volume:	0.5 l
Capacity:	100 crimps/ battery (150 mm ² DIN-material, wide crimping)
Ambient temperature:	-20 °C up to +40 °C
Operating motor:	interruption operation 30 % ED
Charging time:	3 h
Part No.	EHP5

HS2

**High pressure hose**

- for hydraulic crimping heads and hydraulic drive units
- fixed length for hydraulic pumps: FHP2, PHD1, EHP2, EHP3, EHP5, HK122EL, HK252EL, K502, K202, K3031, K3032, K404, HK122, HK252, HK45

Part No.	Length m
HS22	2
HS23	3
HS24	4
HS25	5
HS26	6
HS28	8
HS210	10

KST2

**Coupler plug**

- for hydraulic crimping heads and hydraulic drive units
- including adapter
- for high pressure hoses HS2

Part No. **KST2**

KMF2

**Coupling box**

- including adapter
- for hydraulic cable cutters K3031, K3032, K404

Part No. **KMF2**

KMF1

**Coupling box**

- including adapter
- for hydraulic crimping heads type PK18, PK22, PK12038, PK120U, PK252, PK45, THK18, THK22, HK122, HK120U, HK252, HK45, HK122EL, HK252EL, PK60VP, PK60VPFT and for hydraulic cutting heads SDK502, SDK202 and for hydraulic cable cutters K3031, K3032, K404 and SDG45, 55 and 85

Part No. **KMF1**

DNP2

**Barrel nipple**

- to connect and to extend high pressure hoses HS2

Part No. **DNP2**

TW50



Transport trolley

- for hydraulic drive unit EHP2
- Catalogue page 10.54
- weight: 10.9 kg

Part No. **TW50**

FTA1



Foot switch

- for hydraulic drive units
- including 10 m connection cable EHP2, EHP3, HK122EL, HK252EL

Part No. **FTA1**

ZST3



Two hand safety control system

- for hydraulic pumps EHP2, EHP3
- including 10 m connection cable catalogue page 10.54

Part No. **ZST3**

T15



Special hydraulic oil

- suitable for all hydraulic pumps, except Safety cutting units
- 5 l canister

Part No. **T15**

TC1S



- Digital meter with appropriate force- and pressure sensors, adapter and connecting part to measure force and pressure of our hydraulic crimping tools

Tool Series	Measuring Adapter	Required sensor
EK1550, EK1550G	MA50	TF70
EK354	MA4	TF70
HK6018, EK18PLUS	MA18	TF70
HK6022, EK22PLUS, PK22	MA22	TF70
HK60VP, EK60VPFTPLUS, etc.	MAVP	TF70
HK12025, EK12042, etc.	MA120	TF130
EHP2, EHP3, EHP5, FHP2	TP100	-

Use of TC1S with appropriate measuring equipment requires mains set.

Available mains sets:
TCC230 for 230 V and
TCC115 for 115 V

Part No. **TC1S**

RAM1



- 9,6 V battery (Ni-Cd-battery), 1.3 Ah

Part No. **RAM1**

RA3



- 12 V battery (Ni-Cd-battery), 2.0 Ah

Part No. **RA3**

RA4



- 12 V replacement battery (Ni-MH-battery), 2.6 Ah

Part No. **RA4**

NG1



- all KLAUKE battery powered crimping and cutting tools can now be operated with an all-mains set instead of battery

**Technical details:**

- temperature protection
- current limiter
- overload tension protection 250 V

Weight:	0.7 kg
Part No.	NG1230 for 230 V

Weight:	0.7 kg
Part No.	NG1115 for 115 V

LG4

- for battery powered tools
- suitable for Ni-Cd and Ni-MH-batteries
- charging time for Ni-Cd + Ni-MH: 40 - 60 min.

Weight:	0.4 kg
Mains supply:	230V
Part No.	LG4

LGM4

- for battery powered tools
- suitable for Ni-Cd and Ni-MH-batteries
- charging time for Ni-Cd and Ni-MH: 40-60 min



Weight:	0.5 kg
Mains supply:	230 V
Part No.	LGM4

LG4110

- for battery powered tools
- suitable for Ni-Cd and Ni-MH-batteries
- charging time for Ni-Cd and Ni-MH: 40-60 min

Weight:	0.4 kg
Mains supply:	115 V
Part No.	LG4110

LG5



- quick charger
- for battery powered tools
- suitable for Ni-Cd and Ni-MH-batteries, quick-charger
- charging time for Ni-Cd: 10 - 60 min; (Ni-MH): 20 - 30 min

Weight: 1.3 kg

Mains supply: 230V

Part No. **LG5**

LG6



- for battery powered tools
- suitable for Ni-Cd and Ni-MH-batteries
- charging time for Ni-Cd: 45 - 70 min; Ni-MH: 75 min

Weight: 0.6 kg

Mains supply: 12V

Part No. **LG6**

MH1



- Holster for belt mounting
- suitable for all crimping and cutting tools of Klauke mini series
e.g. EK1550, EK1550G, EK354, ES32, EKP1

Weight: 0.04 kg

Part No. **MH1**

ESG45EF

- stationary blade
- for cable cutters ESG45PLUS, HSG45 and SDG45

Part No. **ESG45EF**

ESG50EF1

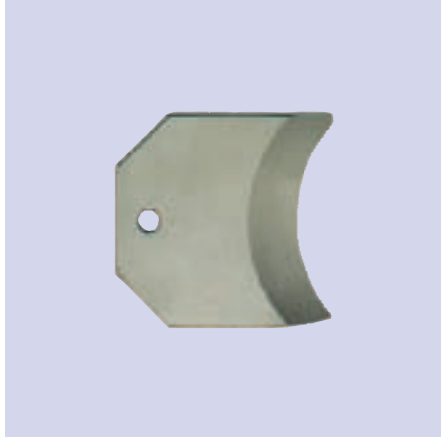
- stationary blade
- for cable cutters ESG50PLUS, HSG50 and SDG50

Part No. **ESG50EF1**

ESG85EF

- stationary blade
- for cable cutters ESG85PLUS, HSG85 and SDG85

Part No. **ESG85EF**

ESG45ES1

- moving blade
- for cable cutters ESG45PLUS, HSG45 and SDG45

Part No. **ESG45ES1**

ESG50ES

- moving blade
- for cable cutters ESG50PLUS, HSG50 and SDG50

Part No. **ESG50ES**

ESG85ES

- moving blade
- for cable cutters ESG85PLUS, HSG85 and SDG85

Part No. **ESG85ES**

K5021E

- for hydraulic cable cutters K502, ES50PLUS, and hydraulic cutter head SDK502
- weight: 0.8 kg

Part No. **K5021E**

K2022E

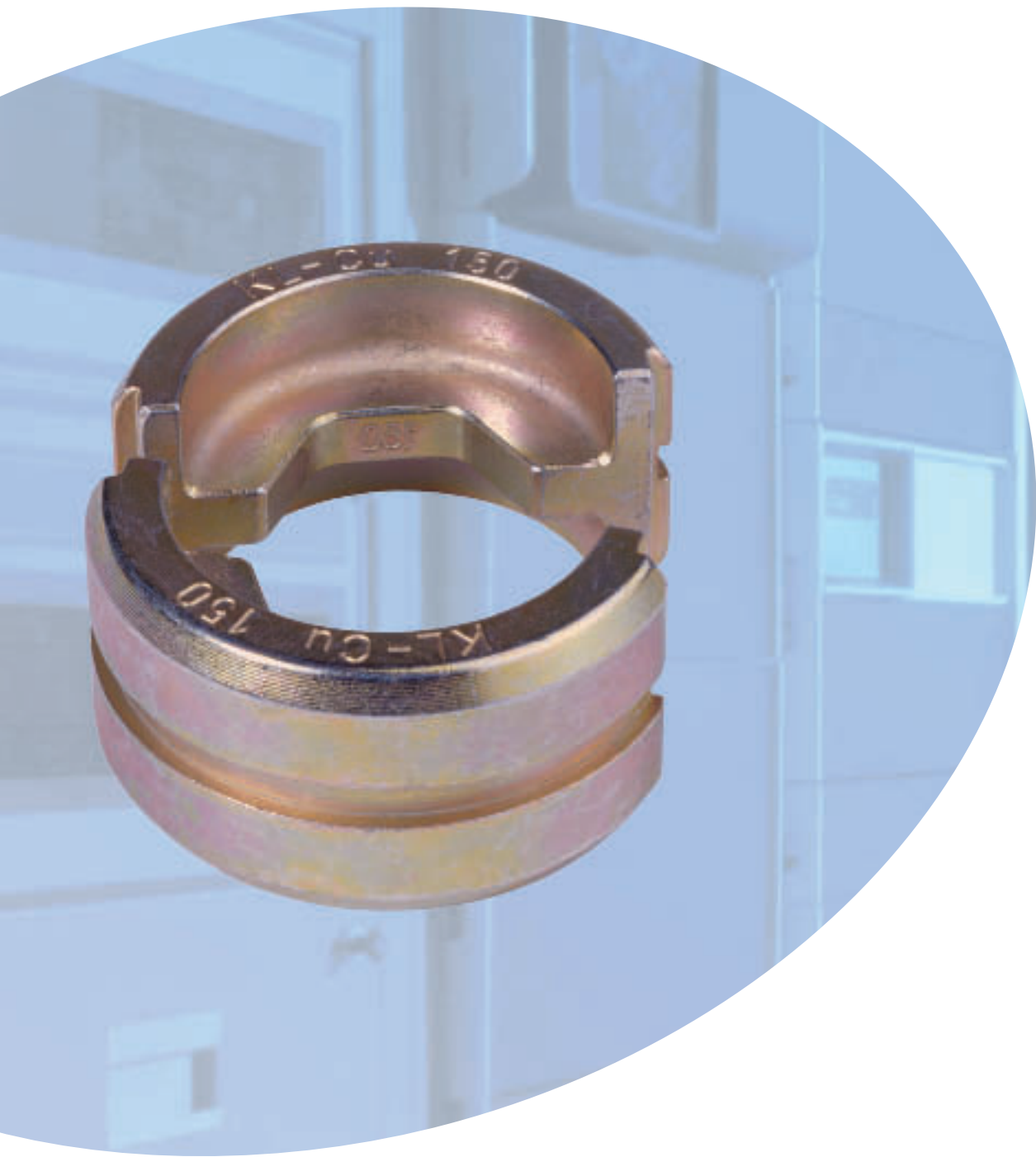
- for hydraulic cable cutters K2022, K3032, K4042 and hydraulic cutter head SDK2022
- weight: 2.1 kg

Part No. **K2022E**

K2021E

- for hydraulic cable cutters K2011, K3031, K4041 and hydraulic cutter head SDK2021
- weight: 2.4 kg

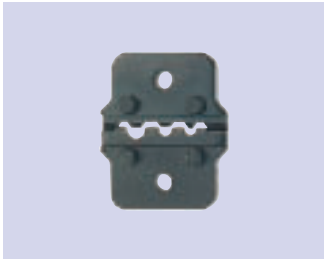
Part No. **K2021E**



Crimping dies for K50 and EK1550 and EK1550G	11.2
Crimping dies for K18 / EK18PLUS / EK60UNV + UA18 / PK18 / HK6018 / THK18 / HK 60UNV + UA18 / PK60UNV + UA18	11.4
Crimping dies for K22 / EK22PLUS / PK22 / HK6022 / THK22 / EK60UNV + UA22 / HK60UNV + UA22 / PK60UNV + UA22	11.8
Crimping dies for EK354 / K354	11.13
Crimping dies for HK122 / HK122EL / HK12025 / HK12042 / HK120U / EK12025 / EK12042 / EK120UPLUS / PK12038 / PK120U	11.17
Crimping dies for HK252 / PK252 / HK252EL	11.21
Crimping dies for HK45 / PK45	11.26



K50 / EK1550 / EK1550G



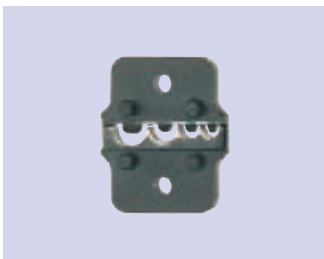
- tubular cable lugs Cu
- connectors Cu

mm ²	Part No.
0.75-2.5	R501
4-10	R502



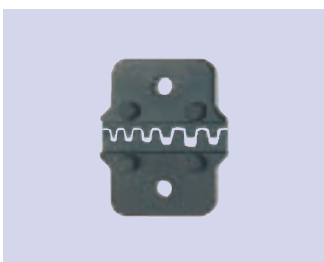
- Cu-tubular cable lugs and connectors for solid conductors

mm ²	Part No.
1.5-4	M50154
6-10	M50610



- solderless terminals
DIN 46234
- pin terminals
DIN 46230

mm ²	Part No.
0.5-10	Q501



- cable end-sleeves

mm ²	Part No.
0.14-6	AE501
10-25	AE502
35-50	AE503



- insulated cable connections

double crimping		
mm ²	for article	Part No.
0.5-6		IS501
0.1-1	8201-8201B	IS503
single crimping		
mm ²	for article	Part No.
10-16		IS502
0.5-2.5	670 WS 680 WS	IS504
4-6	700 WS	IS505



K50 / EK1550 / EK1550G



- non insulated cable connections

mm²	for article	Part No.	Tab Width mm
0.5-6		CR501	6.3
0.1-2.5		CR502	2.8/4.8
0.5-1	38201, 38201A	CR503	2.8
0.5-2.5	3720, 3735	CR504	6.3
0.5-1.5	3725	CR505	6.3



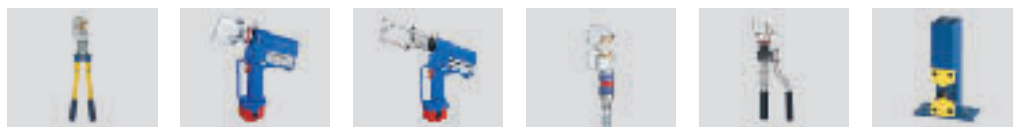
- BNC plugs for coax cable RG 58, 59, 62, 71

Part No.
BNC501



- turned pin connectors
- receptacles

mm²	Part No.
0.1-1 1.5-2.5 4	SB501



K18 / EK18PLUS / EK60UNV + UA18 / PK18 / HK6018 / THK18 / HK60UNV + UA18 / PK60UNV + UA18



- tubular cable lugs and connectors "standard type" and for switch gear connections
- for connectors see die codes Catalogue page 12.8

mm ²	Part No.	Crimp width mm
6	R6	5
10	R10	5
16	R16	5
25	R25	5
35	R35	5
50	R50	5
70	R70	5
95	R95	5
120	R120	5
150	R150	5
185	R185	5



- tubular cable lugs and connectors for solid conductors
- for connectors see die codes Catalogue page 12.8

mm ²	Part No.
1.5-4	M154
6-10	M610
16	M16



- compression cable lugs DIN 46235
- compression joints DIN 46267, part 1
- for connectors see die codes Catalogue page 12.8

mm ²	Part No.	Code	Crimp width mm
6	D6	5	5
10	D10	6	5
16	D16	8	5
25	D25	10	5
35	D35	12	5
50	D50	14	5
70	D70	16	5
95	D95	18	5
120	D120	20	5
150	D150	22	5
185	D185	25	5



- aluminium compression cable lugs
- aluminium compression joints
- for connectors see die codes Catalogue page 12.8

mm ²	Part No.	Code	Crimp width mm
10	A10	10	7
16-25	A1625	12	7
35	A35	14	7
50	A50	16	7
70	A70	18	7
95-120	A95120	22	7
150	A150	25	7
185	A185	28	7



K18 / EK18PLUS / EK60UNV + UA18 / PK18 / HK6018 / THK18 / HK60UNV + UA18 / PK60UNV + UA18





- compression joints for full tension connections of Aldrey conductors according to DIN 48201, sheet 6
- for connectors see die codes Catalogue page 12.8

mm²	Part No.	Code	Crimp width mm
25	AD25	12	7
35	AD35	14	7
50	AD50	16	7
70	AD70	18	7
95	AD95	20	7





- pre-rounding dies for sector-shaped Al- and Cu-conductors
- for 3- and 4-core sector-shaped conductors

mm² se	mm² sm	Part No.	Cond. Ø mm	Width mm
	10	RU10	4.1	19.5
	16	RU16	5.1	19.5
35	25	RU3525	6.3	19.5
50	35	RU5035	7.5	19.5
70	50	RU7050	9.0	19.5
95	70	RU9570	10.5	19.5
120	95	RU12095	12.5	19.5
150	120	RU150120	14.0	19.5
185	150	RU185150	15.8	19.5
240	185	RU240185	17.5	19.5





- solderless terminals DIN 46234
- pin terminals DIN 46230

mm²	Part No.
10	Q10
16	Q16
25	Q25
35	Q35
50	Q50
70	Q70



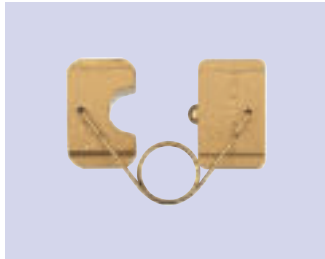


- insulated terminals

mm²	Part No.
10	ISQ10
16	ISQ16
25	ISQ25
35	ISQ35
50	ISQ50



K18 / EK18PLUS / EK60UNV + UA18 / PK18 / HK6018 / THK18 / HK60UNV + UA18 / PK60UNV + UA18



- tubular cable lugs and connectors for fine stranded conductors

mm ²	Part No.
10	F10
16	F16
25	F25
35	F35
50	F50



- C-clamps

mm ²	Part No.	Crimp width mm
16	C16	5
25	C25	5
35	C35	5
50	C50	5
4-4	MC4	5
10-16	MC10	5
10-16 10-25 10-35	MC35	5



- insulated tubular cable lugs and connectors
- insulated pin terminals

mm ²	Part No.	Crimp width mm
10	IS10	5
16	IS16	5
25	IS25	5
35	IS35	5
50	IS50	5
70	IS70	5
95	IS95	5



- cable end-sleeves

mm ²	Part No.	Crimp width mm
10	AE10	20
16	AE16	20
25	AE25	20
35	AE35	20
50	AE50	20
70	AE70	20
95	AE95	20

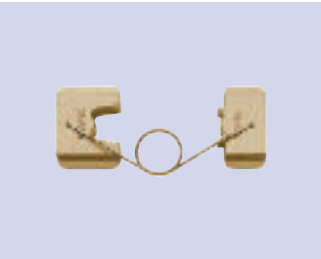


- twin-cable end-sleeves

mm ²	Part No.	Crimp width mm
2 x 4	ZAE4	20
2 x 6	ZAE6	20
2 x 10	ZAE10	20
2 x 16	ZAE16	20

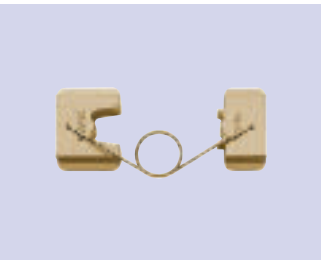


K18 / EK18PLUS / EK60UNV + UA18 / PK18 / HK6018 / THK18 / HK60UNV + UA18 / PK60UNV + UA18



- cable end-sleeves
- special trapezoid crimp for "compacted" fine stranded conductors

mm²	Part No.	Crimp width mm
10	AES10	20
16	AES16	20
25	AES25	20
35	AES35	20
50	AES50	20
70	AES70	20
95	AES95	20



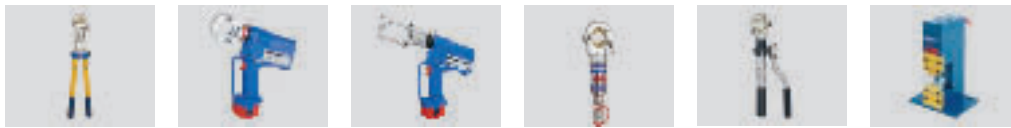
- twin-cable end-sleeves
- special trapezoid crimp for "compacted" fine stranded conductors

mm²	Part No.	Crimp width mm
4	ZAES4	20
6	ZAES6	20
10	ZAES10	20
16	ZAES16	20



- cutting die for Al- and Cu-cables

Part No.	Cutting range mm
S18	18

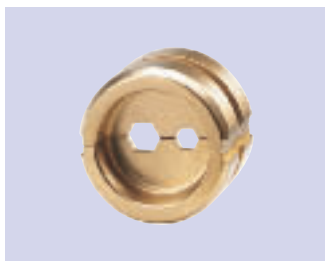


K22 / EK22PLUS / EK60UNV + UA22 / PK22 / HK6022 / THK22 / HK60UNV + UA22 / PK60UNV + UA22



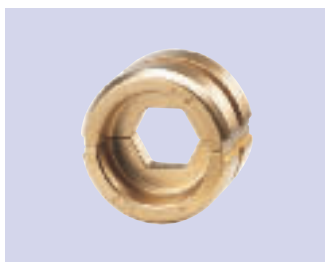
- tubular cable lugs and connectors "standard type" and for switch gear connections

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



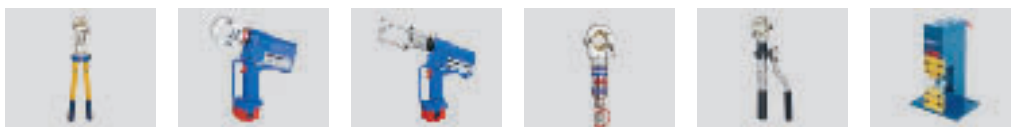
- Cu-tubular cable lugs and connectors for solid conductors

mm ²	Part No.
1.5-4	M22154
6-10	M22610
16	M2216



- compression cable lugs DIN 46235
- compression joints DIN 46267, part 1

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



K22 / EK22PLUS / EK60UNV + UA22 / PK22 / HK6022 / THK22 / HK60UNV + UA22 / PK60UNV + UA22



- aluminium compression cable lugs
- aluminium compression joints

mm ²	Part No.	Code	Crimp width mm
10	A2210	10	7
16-25	A221625	12	7
35	A2235	14	7
50	A2250	16	7
70	A2270	18	7
95-120	A2295120	22	7
150	A22150	25	7
185	A22185	28	7
240	A22240	32	5



- compression joints for full tension connections of Aldrey conductors according to DIN 48201, sheet 6
- Al-conductors DIN 48201, sheet 5, 120-185 mm²

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



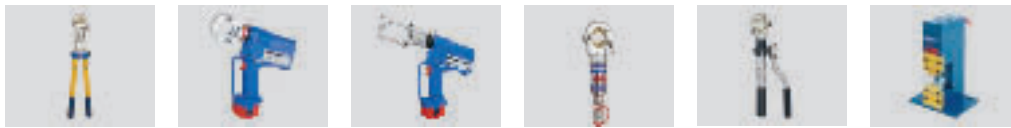
- compression joints acc. to DIN 48085, part 3 for Al cable acc. to DIN 48204
- aluminium compression

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



- compression joints acc. to DIN 48085 part 3 for St cable acc. to DIN 48204
- steel compression

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



K22 / EK22PLUS / EK60UNV + UA22 / PK22 / HK6022 / THK22 / HK60UNV + UA22 / PK60UNV + UA22



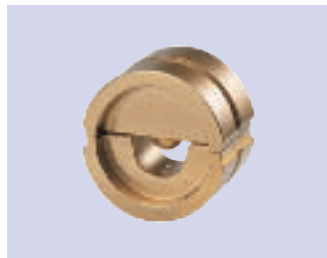
- pre-rounding dies for sector-shaped Al- and Cu-conductors
- for 3- and 4-core sector-shaped conductors

mm ² se	mm ² sm	Part No.	Cond. Ø mm	Width mm
	10	RU2210	4.1	19.5
	16	RU2216	5.1	19.5
35	25	RU223525	6.3	19.5
50	35	RU225035	7.5	19.5
70	50	RU227050	9.0	19.5
95	70	RU229570	10.5	19.5
120	95	RU2212095	12.5	19.5
150	120	RU22150120	14.0	19.5
185	150	RU22185150	15.8	19.5
240	185	RU22240185	17.5	19.5
300	240	RU22300240	20.3	19.5



- solderless terminals
DIN 46234
- pin terminals
DIN 46230

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



- insulated terminals

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



- tubular cable lugs
and connectors for
fine stranded conductors

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



K22 / EK22PLUS / EK60UNV + UA22 / PK22 / HK6022 / THK22 / HK60UNV + UA22 / PK60UNV + UA22



- C-clamps

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



- double compression cable lugs

mm ²	Part No.	Crimp width mm
2 x 50	DP2250	5
2 x 70	DP2270	5



- insulated tubular cable lugs and connectors
- insulated pin terminals

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

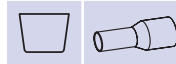


- tubular nickel cable lugs and connectors
- stainless steel tubular cable lugs and connectors

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



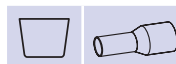
K22 / EK22PLUS / EK60UNV + UA22 / PK22 / HK6022 / THK22 / HK60UNV + UA22 / PK60UNV + UA22



- cable end-sleeves

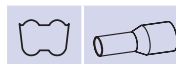
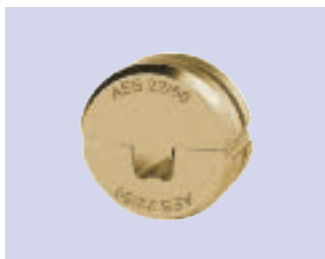
mm ²	Part No.	Crimp width mm
10	AE2210	20
16	AE2216	20
25	AE2225	20
35	AE2235	20
50	AE2250	20
70	AE2270	20
95	AE2295	20
120	AE22120	20
150	AE22150	20
185*	AE22185	20
240*	AES22240	20

* except THK22



- twin-cable end-sleeves

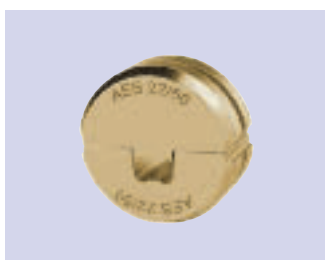
mm ²	Part No.	Crimp width mm
2 x 4	ZAE224	20
2 x 6	ZAE226	20
2 x 10	ZAE2210	20
2 x 16	ZAE2216	20



- cable end-sleeves
- special trapezoid crimp for "compacted" fine stranded conductors

mm ²	Part No.	Crimp width mm
10	AES2210	20
16	AES2216	20
25	AES2225	20
35	AES2235	20
50	AES2250	20
70	AES2270	20
95	AES2295	20
120	AES22120	20
150	AES22150	20
185	AES22185	20
240*	AES22240	20

* except THK22



- twin-cable end-sleeves
- special trapezoid crimp for "compacted" fine stranded conductors

mm ²	Part No.	Crimp width mm
2 x 4	ZAES224	20
2 x 6	ZAES226	20
2 x 10	ZAES2210	20
2 x 16	ZAES2216	20



EK354 / K354



- tubular cable lugs and connectors "standard type" and for switch gear connections

mm ²	Part No.	Crimp width mm
6	HR46	5
10	HR410	5
16	HR416	5
25	HR425	5
35	HR435	5
50	HR450	5
70	HR470	5
95	HR495	5
120	HR4120	5
150	HR4150	5



- tubular cable lugs and connectors for solid conductors
- for connectors see die codes Catalogue page 12.8

mm ²	Part No.
1.5-2.5 4	HM4154
6-10	HM4610
16	HM416



- tubular compression cable lugs DIN 46235
- compression joints DIN 46267, part 1

mm ²	Part No.	Code	Crimp width mm
6	HD46	5	5
10	HD410	6	5
16	HD416	8	5
25	HD425	10	5
35	HD435	12	5
50	HD450	14	5
70	HD470	16	5
95	HD495	18	5
120	HD4120	22	5



- aluminium compression cable lugs
- aluminium compression joints

mm ²	Part No.	Code	Crimp width mm
10	HA410	10	7
16-25	HA41625	12	7
35	HA435	14	7
50	HA450	16	7
70	HA470	18	7



EK354 / K354



- compression joints for full tension connections of Aldrey conductors according to DIN 48201, sheet 6

mm ²	Part No.	Code	Crimp width mm
25	HAD425	12	7
35	HAD435	14	7
50	HAD450	16	7



- pre-rounding dies for sector-shaped Al- and Cu-conductors
- for 3- and 4-core sector-shaped conductors

mm ² se	mm ² sm	Part No.	Cond. Ø mm	Width mm
	10	HRU410	4.1	9
	16	HRU416	5.1	9
35	25	HRU43525	6.3	9
50	35	HRU45035	7.5	9
70	50	HRU47050	9.0	9
95	70	HRU49570	10.5	9
120	95	HRU412095	12.5	9
150	120	HRU4150120	14.0	9



- terminals DIN 46234
- pin terminals DIN 46230

mm ²	Part No.
10	HQ410
16	HQ416
25	HQ425
35	HQ435



- insulated terminals

mm ²	Part No.
10	HISQ410
16	HISQ416



- tubular cable lugs and connectors for fine stranded conductors

mm ²	Part No.
10	HF410
16	HF416
25	HF425
35	HF435
50	HF450

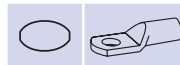


EK354 / K354



- C-clamps

mm ²	Part No.	Crimp width mm
16	HC416	5
25	HC425	5
4-4	HMC44	5
10-10	HMC410	5
10-16 10-25 35-35	HMC435	5



- insulated tubular cable lugs and connectors
- insulated pin terminals

mm ²	Part No.	Crimp width mm
10	HIS410	5
16	HIS416	5
25	HIS425	5
35	HIS435	5
50	HIS450	5
70	HIS470	5



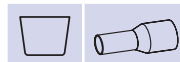
- nickel tubular cable lugs and connectors
- stainless steel tubular cable lugs and connectors

mm ²	Part No.
0.5-1	HN4051
1.5 - 2.5	HN41525
4-6	HN446
10	HN410
16	HN416



- cable end-sleeves

mm ²	Part No.	Crimp width mm
10	HAE410	10
16	HAE416	10
25	HAE425	10
35	HAE435	10
50	HAE450	10

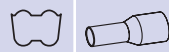


- twin-cable end-sleeves

mm ²	Part No.	Crimp width mm
2 x 4	HZAE44	10
2 x 6	HZAE46	10
2 x 10	HZAE410	10
2 x 16	HZAE416	10



EK354 / K354



- cable end-sleeves
- special trapezoid crimp for "compacted" fine stranded conductors

mm ²	Part No.	Crimp width mm
10	HAES410	10
16	HAES416	10
25	HAES425	10
35	HAES435	10
50	HAES450	10



- twin-cable end-sleeves
- special trapezoid crimp for "compacted" fine stranded conductors

mm ²	Part No.	Crimp width mm
2 x 4	HZAES44	10
2 x 6	HZAES46	10
2 x 10	HZAES410	10
2 x 16	HZAES416	10



HK122 / HK122EL / HK12025 / HK12042 / HK120U / EK12025 / EK12042 / EK120UPLUS / PK12038 / PK120U



- tubular cable lugs and connectors "standard type" and for switch gear connectors
- for connectors see die codes Catalogue page 12.8

mm ²	Part No.	Crimp width mm
16	HR1316	10
25	HR1325	10
35	HR1335	10
50	HR1350	13
70	HR1370	13
95	HR1395	14
120	HR13120	14
150	HR13150	14
185	HR13185	11
240	HR13240	11
300	HR13300	11
400	HR13400	5



- compression cable lugs DIN 46235
- compression joints DIN 46267, part 1
- for connectors see die codes Catalogue page 12.8

mm ²	Part No.	Code	Crimp width mm
16	HD1316	8	10
25	HD1325	10	10
35	HD1335	12	10
50	HD1350	14	13
70	HD1370	16	13
95	HD1395	18	14
120	HD13120	20	14
150	HD13150	22	10
185	HD13185	25	10
240	HD13240	28	10
300	HD13300	28	10



- aluminium compression cable lugs
- aluminium compression joints
- for connectors see die codes Catalogue page 12.8

mm ²	Part No.	Code	Crimp width mm
10	HA1310	10	12
16-25	HA131625	12	12
35	HA1335	14	12
50	HA1350	16	12
70	HA1370	18	12
95-120	HA1395120	22	14
150	HA13150	25	14
185	HA13185	28	14
240	HA13240	32	5



HK122 / HK122EL / HK12025 / HK12042 / HK120U / EK12025 / EK12042 / EK120UPLUS / PK12038 / PK120U



- compression joints for full tension connections of Aldrey conductors according to DIN 48201, sheet 6
- Al-conductors DIN 48201, sheet 5, 120-185 mm²
- for connectors see die codes Catalogue page 12.8

mm ²	Part No.	Code
25	HAD1325	12
35	HAD1335	14
50	HAD1350	16
70	HAD1370	18
95	HAD1395	20
120	HAD13120	25
150-185	HAD13150185	28



- compression joints acc. to DIN 48085, part 3 for Al-cable
- for connectors see die codes Catalogue page 12.8

mm ²	Part No.	Code
25-4	HAST1325	12
35-6	HAST1335	14
50-8	HAST1350	16
70-12	HAST1370	18
95-15	HAST1395	22
120-20	HAST13120	25



- compression joints acc. to DIN 48085, part 3 for St-cable acc. to DIN 48204
- for connectors see die codes Catalogue page 12.8

mm ²	Part No.	Code
25-4	HST1346	6
35-6		
50-8	HST138	7
70-12	HST131215	9
95-15		
120-20	HST1320	13

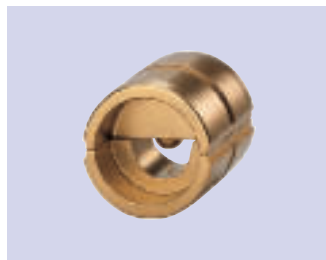


- pre-rounding dies for sector-shaped Al- and Cu-conductors
- for 3- and 4-core sector-shaped conductors

mm ² se	mm ² sm	Part No.	Cond. Ø mm	Width mm
	10	HRU1310	4.1	35
	16	HRU1316	5.1	35
35	25	HRU133525	6.3	35
50	35	HRU135035	7.5	35
70	50	HRU137050	9.0	35
95	70	HRU139570	10.5	35
120	95	HRU1312095	12.5	35
150	120	HRU13150120	14.0	35
185	150	HRU13185150	15.8	35
240	185	HRU13240185	17.5	35
300	240	HRU13300240	20.3	35
	300	HRU13300SM	22.5	35

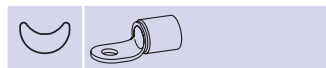


HK122 / HK122EL / HK12025 / HK12042 / HK120U / EK12025 / EK12042 / EK120UPLUS / PK12038 / PK120U



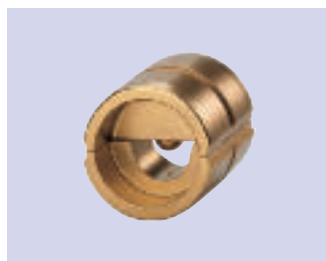
- solderless terminals
DIN 46234
- pin terminals
DIN 46230

mm ²	Part No.
16	HQ1316
25	HQ1325
35	HQ1335
50	HQ1350
70	HQ1370
95	HQ1395
120	HQ13120
150	HQ13150



- insulated terminals

mm ²	Part No.
10	HISQ1310
16	HISQ1316
25	HISQ1325
35	HISQ1335
50	HISQ1350
70	HISQ1370
95	HISQ1395



- tubular cable lugs
and connectors for
fine stranded conductors

mm ²	Part No.
16	HF1316
25	HF1325
35	HF1335
50	HF1350
70	HF1370
95	HF1395
120	HF13120
150	HF13150



- C-clamps

mm ²	Part No.	Crimp width mm
16	HC1316	16
25	HC1325	17
35	HC1335	20
50	HC1350	20
70	HC1370	20
10 - 10	HMC1310	13
10 - 16	HMC1335	18
10 - 25		
35 - 35		
25 - 50	HMC1350	20
50 - 50		
35 - 70	HMC1370	20



HK122 / HK122EL / HK12025 / HK12042 / HK120U / EK12025 / EK12042 / EK120UPLUS / PK12038 / PK120U



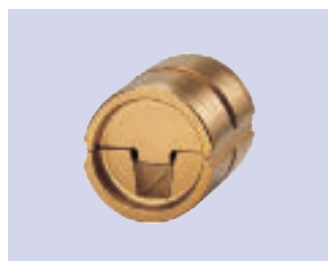
- insulated tubular cable lugs and connectors
- insulated pin terminals

mm ²	Part No.	Crimp width mm
10	HIS1310	5
16	HIS1316	5
25	HIS1325	5
35	HIS1335	5
50	HIS1350	5
70	HIS1370	5
95	HIS1395	5
120	HIS13120	5
150	HIS13150	5



- double compression cable lugs

mm ²	Part No.
2 x 50	HDP1350
2 x 70	HDP1370
2 x 95	HDP1395



- cable end-sleeves

mm ²	Part No.	Crimp width mm
25	HAE1325	20
35	HAE1335	20
50	HAE1350	26
70	HAE1370	26
95	HAE1395	26
120	HAE13120	26
150	HAE13150	26
185	HAE13185	26
240	HAE13240	26

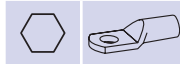


- cable end-sleeves
- special trapezoid crimp for "compacted" fine stranded conductors

mm ²	Part No.	Crimp width mm
25	HAES1325	20
35	HAES1335	20
50	HAES1350	26
70	HAES1370	26
95	HAES1395	26
120	HAES13120	26
150	HAES13150	26
185	HAES13185	26
240	HAES13240	26



PK252 / HK252 / HK252EL



- tubular cable lugs and connectors "standard type" and for switch gear connections

mm ²	Part No.	Crimp width mm
16	HR2516	10
25	HR2525	10
35	HR2535	10
50	HR2550	13
70	HR2570	13
95	HR2595	15
120	HR25120	15
150	HR25150	20
185	HR25185	20
240	HR25240	20
300	HR25300	20
400	HR25400	20



- compression cable lugs DIN 46235
- compression joints DIN 46267, part 1

mm ²	Part No.	Code	Crimp width mm
16	HD2516	8	10
25	HD2525	10	10
35	HD2535	12	10
50	HD2550	14	13
70	HD2570	16	13
95	HD2595	18	14
120	HD25120	20	14
150	HD25150	22	15
185	HD25185	25	15
240	HD25240	28	15
300	HD25300	32	17
400	HD25400	38	17
500	HD25500	42	17
625	HD25625	44	15



- aluminium compression cable lugs
- aluminium compression joints

mm ²	Part No.	Code	Crimp width mm
10	HA2510	10	12
16-25	HA251625	12	12
35	HA2535	14	12
50	HA2550	16	12
70	HA2570	18	12
95-120	HA2595120	22	14
150	HA25150	25	14
185	HA25185	28	14
240	HA25240	32	17
300	HA25300	34	17
400	HA25400	38	17
500	HA25500	44	15



PK252 / HK252 / HK252EL



- compression joints for full tension connections of Aldrey conductors according to DIN 48201, sheet 6
- Al-conductors DIN 48201, sheet 5, 120-300 mm²

mm ²	Part No.	Code
25	HAD2525	12
35	HAD2535	14
50	HAD2550	16
70	HAD2570	18
95	HAD2595	20
12	HAD25120	25
150-185	HAD25150185	28
240	HAD25240	34
300	HAD25300	38



- compression joints acc. to DIN 48085, part 3 for Al-cable acc. to DIN 48204

mm ²	Part No.	Code
25-4	HAST2525	12
35-6	HAST2535	14
50-8	HAST2550	16
70-12	HAST2570	18
95-15	HAST2595	22
120-20	HAST25120	25



- compression joints acc. to DIN 48085, part 3 for St-cable acc. to DIN 48204

mm ²	Part No.	Code
25-4	HST2546	6
35-6		
50-8	HST258	7
70-12	HST251215	9
95-15		
120-20	HST2520	13

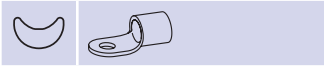


- pre-rounding dies for sector-shaped Al- and Cu-conductors
- for 3- and 4-core sector-shaped conductors

mm ² se	mm ² sm	Part No.	Cond. Ø mm	Width mm
	10	HRU2510	4.1	40
	16	HRU2516	5.1	40
35	25	HRU253525	6.3	40
50	35	HRU255035	7.5	40
70	50	HRU257050	9.0	40
95	70	HRU259570	10.5	40
120	95	HRU2512095	12.5	40
150	120	HRU25150120	14.0	40
185	150	HRU25185150	15.8	40
240	185	HRU25240185	17.5	40
300	240	HRU25300240	20.3	40
	300	HRU25300SM	22.5	40

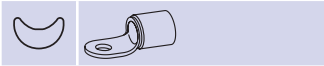


PK252 / HK252 / HK252EL



- solderless terminals
DIN 46234
- pin terminals
DIN 46230

mm²	Part No.
16	HQ2516
25	HQ2525
35	HQ2535
50	HQ2550
70	HQ2570
95	HQ2595
120	HQ25120
150	HQ25150
185	HQ25185
240	HQ25240



- insulated terminals

mm²	Part No.
10	HISQ2510
16	HISQ2516
25	HISQ2525
35	HISQ2535
50	HISQ2550
70	HISQ2570
95	HISQ2595
120	HISQ25120
150	HISQ25150



- tubular cable lugs and connectors
for fine stranded conductors

mm²	Part No.
16	HF2516
25	HF2525
35	HF2535
50	HF2550
70	HF2570
95	HF2595
120	HF25120
150	HF25150
185	HF25185
240	HF25240
300	HF25300



PK252 / HK252 / HK252EL



- C-clamps

mm ²	Part No.	Crimp width mm
16	HC2516	16
25	HC2525	17
35	HC2535	20
50	HC2550	20
70	HC2570	20
95	HC2595	20
10-16 10-25 35-35	HMC2535	18
25-50 50-50	HMC2550	20
35-70	HMC2570	20
35-95 70-95	HMC2595	20
120-120	HMC25120	20
150-150	HMC25150	20
185-185	HMC25185	20



- insulated tubular cable lugs and connectors
- insulated pin terminals

mm ²	Part No.	Crimp width mm
10	HIS2510	7
16	HIS2516	7
25	HIS2525	8
35	HIS2535	8
50	HIS2550	10
70	HIS2570	12
95	HIS2595	14
120	HIS25120	14
150	HIS25150	16



- double compression cable lugs

mm ²	Part No.
2 x 50	HDP2550
2 x 70	HDP2570
2 x 95	HDP2595
2 x 120	HDP25120



PK252 / HK252 / HK252EL



- cable end sleeves

mm²	Part No.	Crimp width mm
25	HAE2525	20
35	HAE2535	20
50	HAE2550	26
70	HAE2570	26
95	HAE2595	26
120	HAE25120	26
150	HAE25150	26
185	HAE25185	26
240	HAE25240	26



- cable end-sleeves
- special trapezoid crimp for "compacted" fine stranded conductors

mm²	Part No.	Crimp width mm
25	HAES2525	20
35	HAES2535	20
50	HAES2550	26
70	HAES2570	26
95	HAES2595	26
120	HAES25120	26
150	HAES25150	26
185	HAES25185	26
240	HAES25240	26



PK45 / HK45



- compression cable lugs
DIN 46235
- compression joints
DIN 46267, part 1

mm ²	Part No.	Code	Crimp width mm
120	HD45120	20	15
150	HD45150	22	15
185	HD45185	25	15
240	HD45240	28	15
300	HD45300	32	17
400	HD45400	38	17
500	HD45500	42	17
625	HD45625	44	17
800	HD45800	52	20
1000	HD451000	58	20



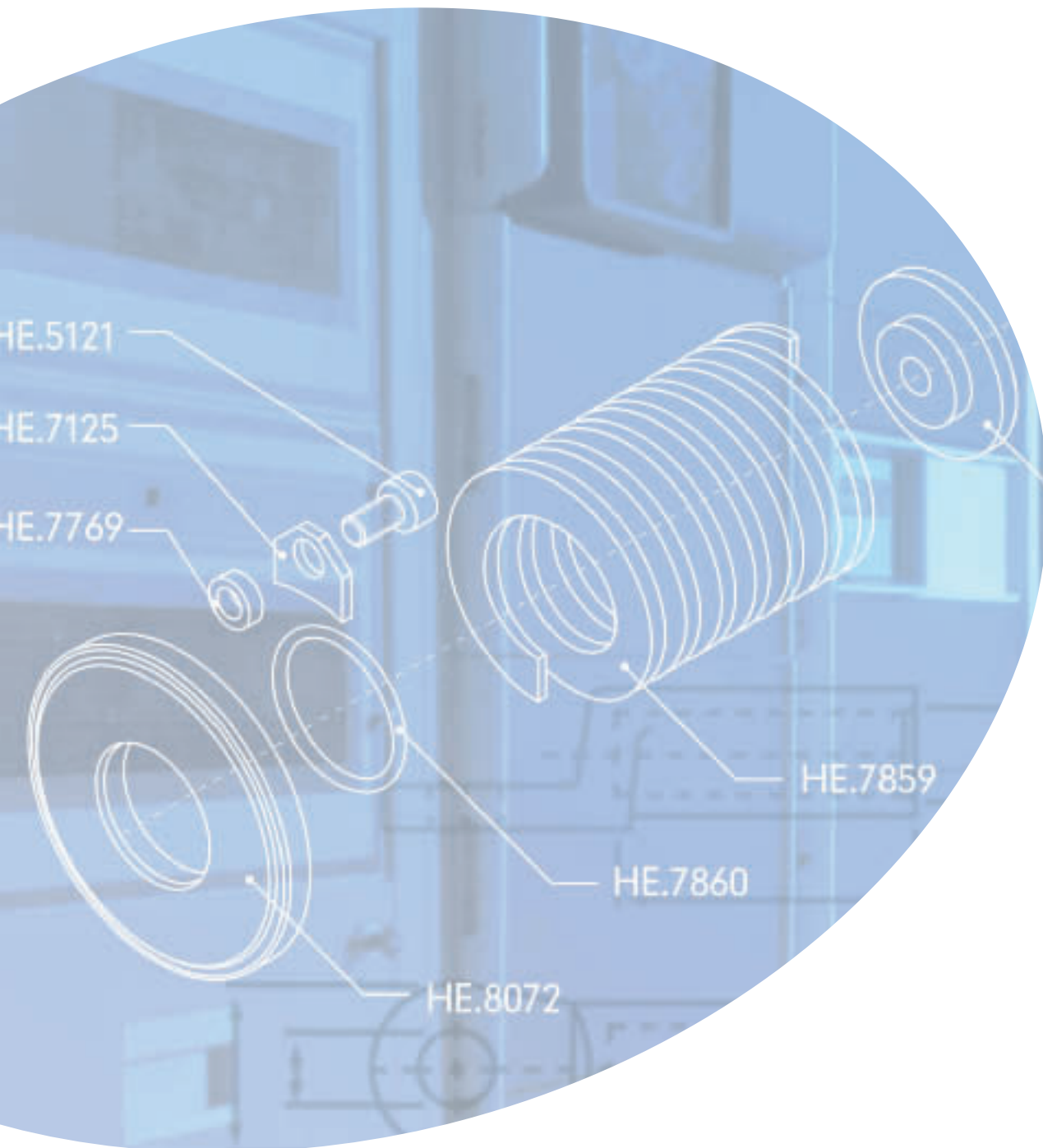
- aluminium compression cable
lugs
- aluminium compression joints

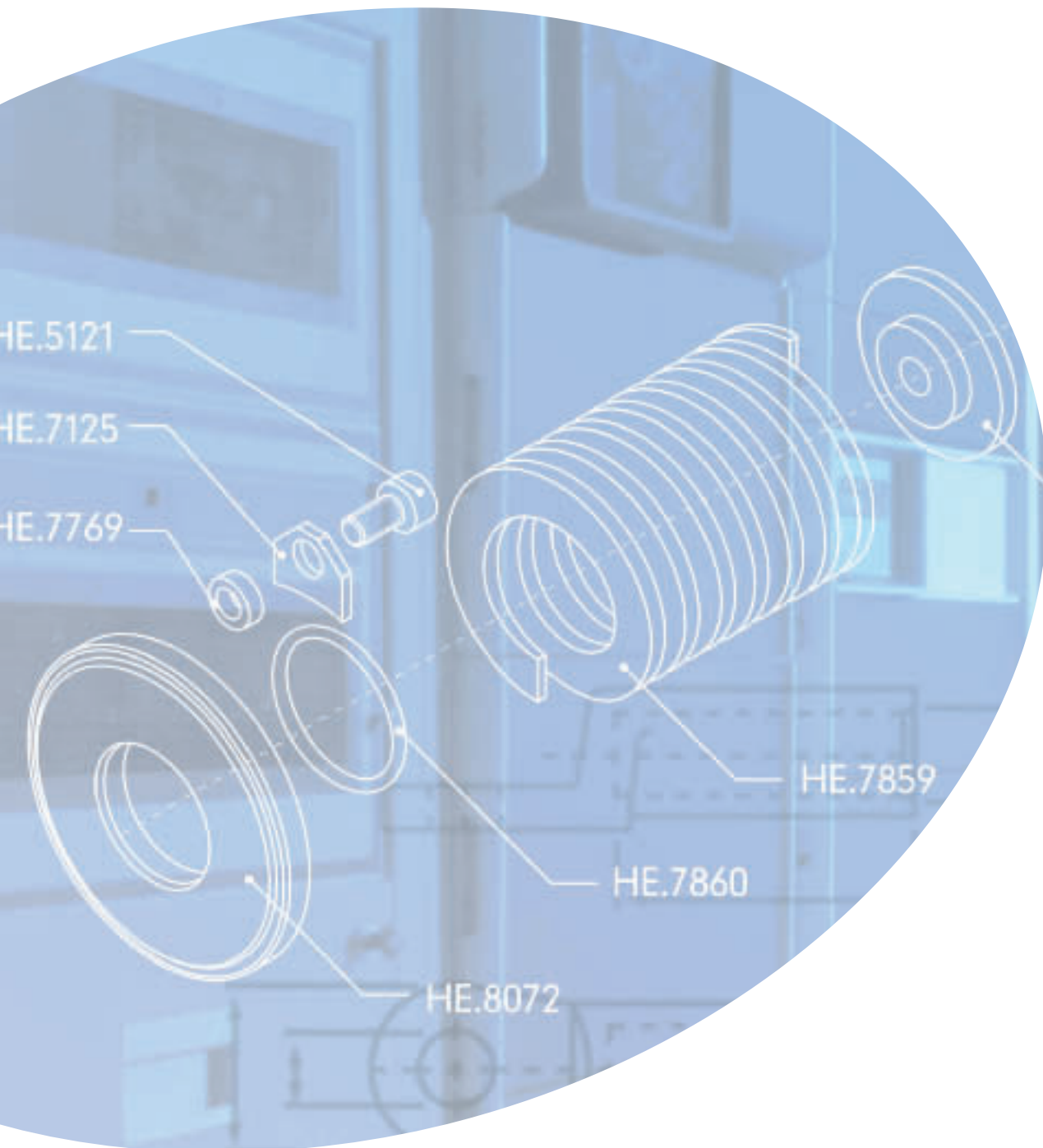
mm ²	Part No.	Code	Crimp width mm
150	HA45150	25	15
185	HA45185	28	15
240	HA45240	32	17
300	HA45300	34	20
400	HA45400	38	20
500	HA45500	44	20



- compression joints for full tension
connections of Al conductors
acc. to DIN 48201, sheet 5,
150-300 mm²

mm ²	Part No.	Code
150-185	HAD45150185	28
240	HAD45240	34
300	HAD45300	38





Technical notes on the various crimping types	12.2
Legend of pictograms for connecting materials	12.3
Special properties of connecting materials	12.4 - 12.5
Assembly instructions for connecting materials	12.6 - 12.8
Assembly instructions for connection clamps	12.9
Assembly instructions for compact tap connectors	12.10 - 12.13
Conversion charts	12.14
Check-list for special cable lugs and connectors	12.15
Alphabetical index	12.16 - 12.17
Numerical index	12.18

	No. 1 Hexagonal crimping to crimp tubular copper cable lugs and connectors "standard type", cable lugs for switchboxes, compression cable lugs DIN 46235 and compression joints DIN 46267, aluminium cable lugs and compression joints. Range of application: 6 – 1000 mm²
	No. 2 Indent crimping to crimp tubular copper cable lugs and connectors "standard type", cable lugs for switchboxes, terminals DIN 46234 and pin terminals DIN 46230, insulated terminals, tubular cable lugs and connectors for fine stranded cables, tubular nickel cable lugs and connectors, stainless steel tubular cable lugs and connectors. Range of application: 0.75 – 400 mm²
	No. 3 Oval crimping to crimp tubular double compression cable lugs, C-clamps, insulated tubular cable lugs and connectors, insulated pin cable lugs and compression joints DIN 48217, compression dead ends, insulated cable connectors. Range of application: 0.1 – 185 mm²
	No. 4 Indent crimping to crimp tubular copper cable lugs and connectors "standard type", cable lugs for switchboxes, tubular cable lugs and connectors for fine stranded cables. Range of application: 6 – 400 mm²
	No. 5 Indent crimping to crimp tubular copper cable lugs and connectors "standard type" cable lugs for switchboxes, tubular nickel cable lugs and connectors, stainless steel tubular cable lugs and connectors. Range of application: 4 – 95 mm²
	No. 6 Trapezoid crimping to crimp cable end-sleeves and twin cable end-sleeves. Range of application: 0.14 – 240 mm²
	No. 7 Indent crimping to crimp cable end-sleeves and twin cable end-sleeves. Range of application: 0.5 – 35 mm²
	No. 8 Square crimping to crimp cable end-sleeves and twin cable end-sleeves. Range of application: 0.14 – 16 mm²
	No. 9 Roll-crimping to crimp non-insulated receptacles and cable end-sleeves DIN 46228, part 2. Range of application: 0.1 – 6 mm²
	No. 10 Pre-rounding of 90° and 120° sector shaped conductors. Range of application: 10 sm – 300 sm, 35 se – 300 se se = sector shaped solid; sm = sector shaped stranded
	No. 11 Quad-point crimping to crimp tubular cable lugs and connectors "standard type", cable lugs for switchboxes, tubular cable lugs and connectors for fine stranded cables. Range of application: 10 – 300 mm²
	No. 12 Four point crimping to crimp turned pin receptacles and pin connectors. Range of application: 0.1 – 4 mm²
	No. 13 Special trapezoid crimp, particularly for crimping cable end sleeves for compacted fine stranded wires. Range of application: 10 - 240 mm²

	Cable end-sleeves Chapter 5 and 6
	C-Clamps Chapter 4
	Insulated receptacles, insulated connecting material Chapter 7
	Non-insulated receptacles Chapter 7
	Cable lugs and connectors "standard type" Chapter 1
	Compression cable lugs and connectors AL Chapter 3
	Compression cable lugs and connectors acc. to DIN Chapter 2
	Tubular nickel cable lugs and connectors, Stainless steel tubular nickel cable lugs and connectors Chapter 1
	Tubular cable lugs and connectors for fine stranded conductors Chapter 1
	Tubular cable lugs and connectors for solid conductors Chapter 1
	Insulated solderless copper terminals Chapter 4
	Solderless copper terminals and connectors Chapter 4

1. Material properties

Information on materials used for copper and aluminium cable lugs and connectors

- All copper tubular cable lugs, terminals and pin terminals as well as relevant connectors are manufactured from E-Cu / SE-Cu DIN 40500 and DIN 1787.
- Cable end-sleeves according to DIN 46228 part 1 and part 4 are manufactured from E-Cu 57 / SF-Cu.
- All aluminium compression cable lugs and compression joints are manufactured from Al 99.5 / E-Al 99.5 DIN 1712.

2. Electrical Properties

- The maximum permissible current load of our connecting material, in conjunction with insulated conductors is according to values in the following chart.

	Group 1 One or several single-core cables laid in conduits		Group 2 Multi-core cables, e. g. plastic-sheathed cables, metal-sheathed cables, lead-sheathed cables, flat webbed cables, flexible cables		Group 3 Overhead single-core cables with clearance between lines at least corresponding to cable diameter	
Nominal cross section mm ²	Cu (A)	Al (A)	Cu (A)	Al (A)	Cu (A)	Al (A)
0.75	–	–	12	–	15	–
1	11	–	15	–	19	–
1.5	15	–	18	–	24	–
2.5	20	–	26	–	32	–
4	25	–	34	–	42	–
6	33	–	44	–	54	–
10	45	–	61	48	73	57
16	61	48	82	64	98	77
25	83	65	108	85	129	103
35	103	81	135	105	158	124
50	132	103	168	132	198	155
70	165	–	207	163	245	193
95	197	–	250	197	292	230
120	235	–	292	230	344	268
150	–	–	335	263	391	310
185	–	–	383	301	448	353
240	–	–	453	357	528	414
300	–	–	504	409	608	479
400	–	–	–	–	726	569
500	–	–	–	–	830	649

Values only valid at an ambient temperature of 30 °C

3. Mechanical properties

- The tensile strength of connections assembled in accordance with our assembly instructions and tools complies with VDE 0220 part 2

Please note that crimping of solderless cable connectors with tools from other manufactures will not guarantee proper connection. We exclusively recommend the use of **Klauke**® solderless cable connections with **Klauke**® tools.

4. Designation of cables and conductors

a) Copper

Our copper cable lugs and connectors are suitable for stranded copper conductors according to DIN 48201, part 1 and copper conductors according to DIN 57295 class 1 and 2, 5 and 6 (see chart).

b) Aluminium

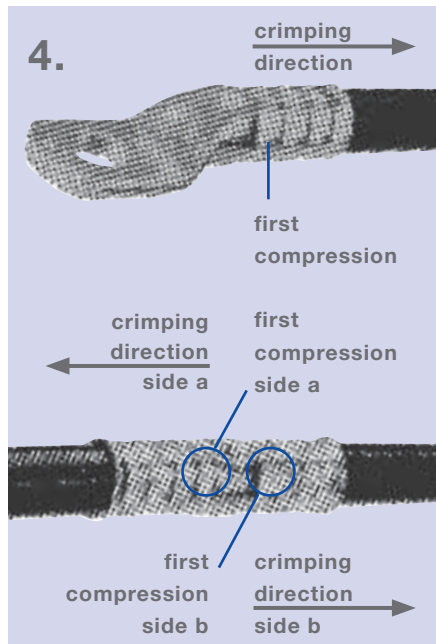
Our aluminium cable lugs and compression joints are suitable for stranded aluminium conductors according to DIN 48201, part 1, 5 and 6 and aluminium conductors according to DIN 57295, part 1 and 2 (see chart).

Sector conductors must be rounded with crimping tools before assembly.

Cross section compatibility chart for cable lugs and connectors to copper and aluminium conductors according to

- VDE 0250
- DIN 48200
- DIN 48201 part 1, part 5 and part 6
- DIN 57295 class 1, 2, 5 und 6

Cross section	Nominal cross section	Cable Cu and Al		Stranded circ.cond.	Compacted circular conductor		Solid conductors		Fine and finest stranded cond.
	DIN 48201 part 1, 5 and 6			VDE 0295, DIN 57295 Class 1 and 2					Class 5 and 6
	mm ²	Number of wires	Cond. Ø (mm)	Cond. Ø (mm)	Cond. Ø min. (mm)	Cond. Ø max. (mm)	Cond. Ø min. (mm)	Cond. Ø max. (mm)	Cond. Ø max. (mm)
0.5	–	–	–	1.1	–	–	–	0.9	1.1
0.75	–	–	–	1.2	–	–	–	1	1.3
1	–	–	–	1.4	–	–	–	1.2	1.5
1.5	–	–	–	1.7	–	–	–	1.5	1.8
2.5	–	–	–	2.2	–	–	–	1.9	2.3
4	–	–	–	2.7	–	–	–	2.4	2.9
6	–	–	–	3.3	–	–	–	2.9	3.9
10	10.02	7	4.1	4.2	–	–	–	3.7	5.1
16	15.89	7	5.1	5.3	–	–	–	4.6	6.3
25	24.25	7	6.3	6.6	5.6	6.5	5.2	5.7	7.8
35	34.36	7	7.5	7.9	6.6	7.5	6.1	6.7	9.2
50	49.48	7	9	9.1	7.7	8.6	7.2	7.8	–
50	48.35	19	9	–	–	–	–	–	11
70	65.81	19	10.5	11	9.3	10.2	8.7	9.4	13.1
95	93.27	19	12.5	12.9	11	12	10.3	11	15.1
120	116.99	19	14	14.5	12.5	13.5	11.6	12.4	17
150	147.11	37	15.8	16.2	13.9	15	12.9	13.8	19
185	181.62	37	17.5	18	15.5	16.8	–	–	21
240	242.54	61	20.3	20.6	17.8	19.2	–	–	24
300	299.43	61	22.5	23.1	20	21.6	–	–	27
400	400.14	61	26	26.1	22.9	24.6	–	–	31
500	499.83	61	29.1	29.2	25.7	27.6	–	–	35
625	626.2	91	32.6	33.2	29.3	32.5	–	–	39
800	802.09	91	36.9	37.6	–	–	–	–	–
1000	999.71	91	41.1	42.2	–	–	–	–	–



5. Assembly instructions for cable lugs and connectors

1. Strip conductor according to insertion depth (+ 10% because of length changing of crimped sleeve).
2. Conductor ends must be cleaned with a cloth or brush before assembly.
3. Insert conductor fully into cable lug or connector.
4. Observing the crimping direction, crimp the cable lug or connector using the appropriate tools. The crimping direction for cable lugs and connectors is indicated in the illustration on the left.
5. After crimping, remove excess compound emerging from aluminium cable lugs and compression joints.

We recommend the following number of crimps for individual cross sections:

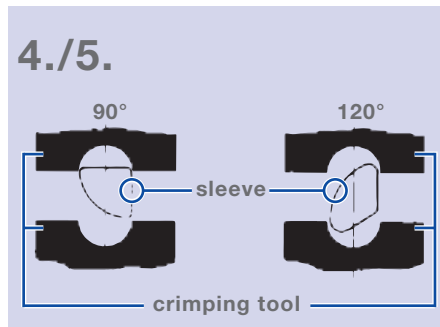
Cross section mm ²	Tubular cable lugs		Cable lugs DIN 46235		Aluminium cable lugs	
	5 mm crimping dies	wide crimping dies	5 mm crimping dies	wide crimping dies	7 mm crimping dies	wide crimping dies
6	1		2			
10	1		2			
16	1	1	2	1	4	2
25	2	1	2	1	4	2
35	2	1	2	1	5	2
50	2	1	3	1	5	2
70	2	1	3	1	6	3
95	2	1	4	2	6	3
120	2	1	4	2	6	3
150	2	1	4	2	6	3
185	2	1*	4	2	6	3
240	4	2	5	2	8	3
300	4	2		2	8	3
400	4	2		3		4
500				3		4
625				3		
800				3		
1000				3		

* When operating a Klauke Tool with quad-point crimping (e. g. HK60VP, EK60VPFTPLUS, PK60VP) 2 crimps are recommended!

6. Notes for fitting VHR and VHD sleeves

We recommend that additional VHR and VHD sleeves be used for compressed circular conductors in order to ensure that the tubular cable lugs and connectors fit accurately.

In the case of sector-shaped conductors, we recommend that additional sector sleeves VHR 3 or VHR 4 and VHD 3 or VHD 4 be used to fit the Cu cable lugs and connectors, as well as to prevent the end of the conductor from springing back when crimped. The sector sleeves are crimped with the aid of crimping tools.



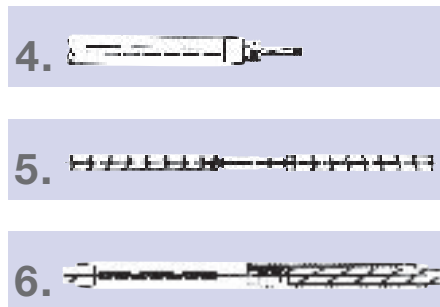
1. Ensure that the conductor is deformed as little as possible when cutting to length.
2. Strip the conductor insulation in accordance with the length to be inserted.
3. Slide the sleeve up to the front cut edge of the conductor.
4. Place the conductor and sleeve in the crimping tool as shown in the sketch.
5. Crimp the sleeve
 - a) Crimp as illustrated (1st pre-compression)
 - b) Crimp turned through 90° (2nd pre-compression)
 - c) Crimp turned through 30° (final crimp)
 - d) Crimp turned through 30° if necessary (final crimp)

7. Notes for using reduction sleeves

Only wide hydraulic dies may be used when crimping more than two cross-sections.

8. Mounting instructions for full tension Al/steel compression joints DIN 48085, pt.3

The compression joints consists of an aluminium bushing (E-Al 99.5) and a soft steel bushing (St 52).



1. Straighten conductor ends and remove dirt and if necessary oxide layer.
2. Slip the Al-compression joint on one end of the conductor.
3. Tie the end of the conductor and strip the Al-wires.
4. Tie Aluminium and Steel wires as shown in the figure.
5. Slip on the steel bushing and crimp according to the crimping marks.
6. Push the aluminium bushing in the center over the assembled steel bushing and crimp according to the crimping marks.

Attention: Do not crimp in the center of the Al-bushing where the steel bushing is placed. Do not crimp on the cone-shaped ends of the connector.

7. Remove access compound after crimping the conductor.

Attention: Do not remove compound before the assembly.

The allocation of the dies can be made either by the colour of the dies but preferably by looking at the code No. which is related to the cross-sections. The dies for the steel bushings have a black finish, the aluminium bushing is zinc-coated.

General hint:

The crimping procedure has to be continued until the dies are completely closed. If not, we cannot guarantee a proper crimp

9. General Information

Tool Dies:

The outside dimensions of the dies in series K18, EK18PLUS, PK18 and THK18 as well as in series HK252, PK252, HK252EL are according to DIN 48083 part 1 and part 3.

The hexagon dimensions of all interchangeable dies for crimping tools and hydraulic tools of series D (i. e. for DIN cable lugs and connectors 46235 and 46267) and A (aluminium cable lugs and connectors, as well as Al-Cu cable lugs and connectors) are according to DIN 48083 part 4.

Surfaces:

All dies are supplied “chrome-yellow” for copper and “galvanized” for aluminium and nickel.

Note the following maximum cross-sections when crimping connectors with crimping tools K18, PK18 and HK12025 and EK12025:

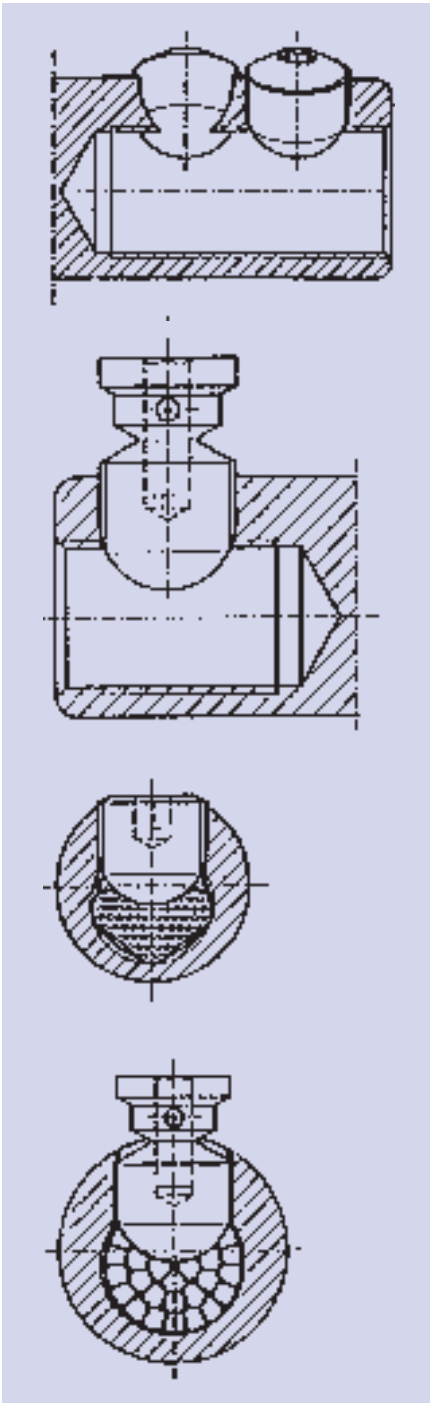
K 18/PK 18 Type of connector / dies	Cross-section max. mm ²	HK 120/25 and EK 120/25 Type of connector / dies	Cross-section max. mm ²
Copper, standard version, R-series	95	Copper, standard version, R-series	185
Copper version to DIN for high tension stress, D-series	70	Copper version to DIN, D-series	150
Aluminium version, A-series	70	Aluminium version, A-series	120
		Aluminium version for high tension stress, A-series	95

Following tools do not provide a code No. on crimps:
EK60VPPLUS, EK60VPFTPLUS,
HK60VP, HK60VPFT,
PK60VP and PK60VPFT.

The following tightening torques apply for screws and bolts of strength class 8.8 as specified by DIN VDE 0220 T2:

Size of thread	Tightening torque (Nm)	Size of thread	Tightening torque (Nm)
M 5	5	M 12	75
M 6	9	M 14	120
M 7	15	M 16	190
M 8	22	M 20	380
M 10	44		

10. Mounting Instruction for Connection Clamps



Connection clamps are connecting elements which can be unscrewed and are preferably used for heat shrinking or cast resin technique. They also can be used in all other kinds of cable joints. Four screw connection clamps are especially suitable for fine stranded conductors as the great connector length increases the transverse conductance of the individual wires and the contact resistance falls accordingly. In addition higher pull-out values are achieved. Barrier type four screw connection clamps are suitable for cables with mass-impregnated paper insulation.

In an electrolyte free, e.g. dry environment, copper as well aluminium conductors can be combined. This also applies in combination with heat shrinks. When conductors of different material (e.g. Cu and Al cables) have to be combined, a barrier type connector is recommended. While identical types of conductors (e.g. NAYY-NAVY) can be used with non-barrier types of connectors, for dissimilar conductors (e.g. NAYY-NAKBA), plastic or drained cables are recommended to be used with barrier type connectors as an oil stop.

Insertion depth of conductors is controlled either by the barrier or by inspection hole on connectors without barrier.

In addition to the traditional screw connectors we offer connection clamps with shearoff heads as well. The screw heads shear off at a certain set torque. These defined torques set by the manufacturer guarantee maximum electrical properties (acc. to VDE 0220, part 1 / 11.7 1, part 1 a/4.78) and mechanical properties (acc. to VDE 0220, part 2). No torque wrenches are required for assembly of these connectors. To loosen the screw use the mounting key by inserting into the open internal hexagon hole.

The required contact pressure is reached at approx. 80% of the given torque values. Torques higher than recommended are to be avoided.

The cross grooves on the conductor channels permit to withstand high tensile forces. The tractive force of screw connectors correspond to compression joints DIN 46267, part 2, having identical cross sections.

The contact screws are treated with a highgliding lubricant on basis of molybdenum sulphide. This guarantees adequate contact pressure with low tightening torque.

Assembly instructions KSK1503



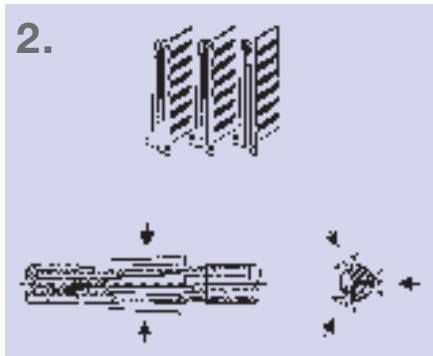
1. Bare conductor acc. to DIN 47630.

Delivered with open snap-closure.
If opening is required due to inadvertent closing,
open ring parts by hand against snapping direction.

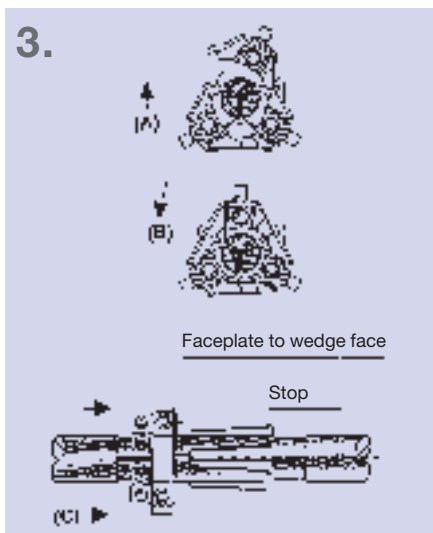
Three conductor cable

Cross section	recommended bare length*
50 – 95 mm ²	200 mm
50 – 185 mm ²	320 mm

* Observe assembly instructions of manufacturer of cable glands.
On sets with off-centre bulge (largest gland diameter) spacer wedges
are also to be placed off-centre.

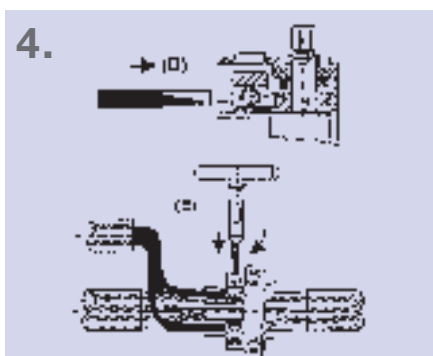


2. Spacer wedges to be placed between conductors.
Expander wedge assists in expanding conductors.



3. (A) Clamping ring to be placed on the main conductor.
(B) Press clamping halves tight next to wedges.
(C) Push ring hand-tight onto wedges –
not to be pushed until stop
4. (D) Bare tap conductor.
(E) Insert phase conductor into tap hole
and tighten.

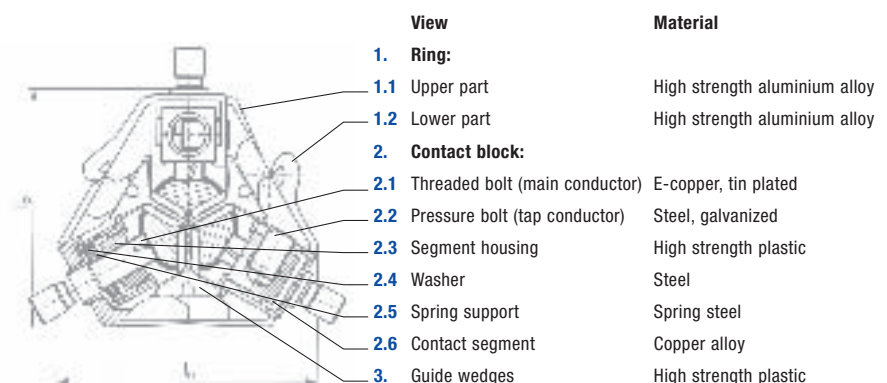
Attention! Insert wrench totally into hexagon screw.
Tap conductors below 16 mm² are recommended to be
clamped with kinked ends.



5. · Shear-off screws to be tightened until seated on insulation.
· Contact by alternate uniform tightening until heads shear off.
· Shear-off screws ease assembly operation.
However they do not dispense need for carefull assembly
by alternate and uniform tightening of screws. Remove
sheared-off heads from gland. Once sheared-off screws
cannot be loosened.



**View of the compact tap connector
KSK1503 for three connector cables**



Assembly instructions KSK504

1.



1. Bare conductor and insert wedge.
Make sure that wires are tight to wedge.

Type	recommended bare length*
KSK504	90 mm

* Observe assembly instructions of manufacturer of glands.

2.



Delivered with open snap-closure.
If opening is required due to inadvertent closing,
open ring parts by hand against snapping direction.

2. Expander wedge assists in expanding conductors.
3. (A) Clamping ring to be placed on the main conductor.
(B) Press clamping halves tight next to wedges.
(C) Attach ring onto spacers. If wedges or two piece insulator are used, attach ring only hand-tight.
It must not be pushed until stop

3.



Faceplate to wedge face

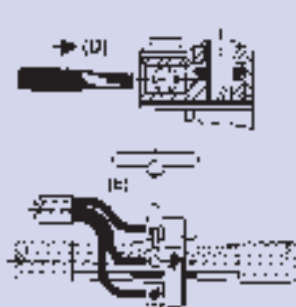
Stop

4. (D) Bare tap conductor.
(E) Insert phase conductor into tap hole and tighten.

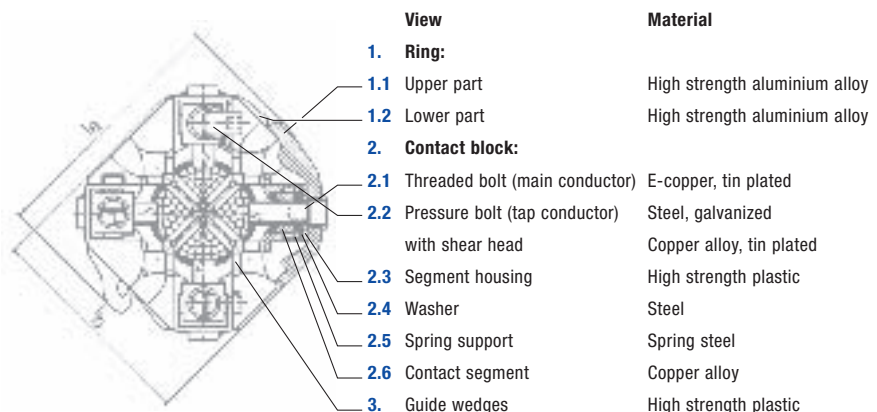
Attention! Insert wrench totally into hexagon screw.
Tap conductors below 16 mm² are recommended to be
clamped with kinked ends.

5. · Shear-off screws to be tightened until seated on insulation.
· Contact by alternate uniform tightening.
· Maximum tightening torque is achieved when a perceptible
resistance is felt after cutting through insulation (stop),
caused by penetration of bolt into conductor surface.
Recommended tightening torque approx. 15 Nm (1.5 kpm).

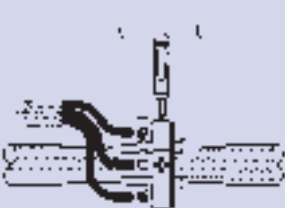
4.



**View of the compact tap connector
KSK504 for four connector cables**



5.



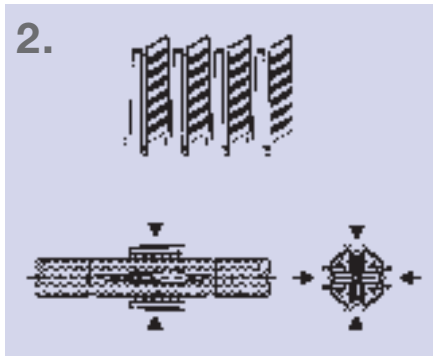
Assembly Instructions:



SKR1503 / SKR1204 / SKR1304 / SKR1504 / SKR150/1504 /
SKR1854 / KSK1504 / KSK1854

1. Bare conductor acc. to DIN 47630.

Delivered with open snap-closure.
If opening is required due to inadvertent closing,
open ring parts by hand against snapping direction.



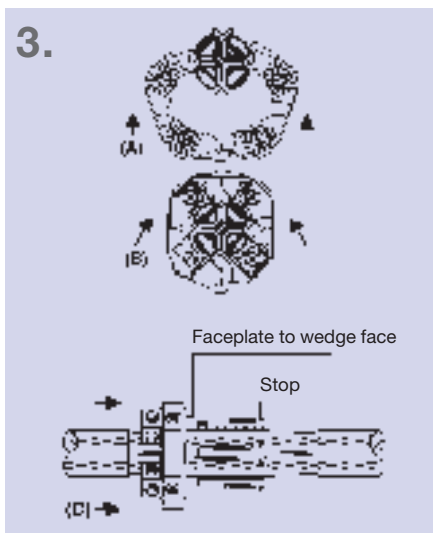
Three conductor cable

Cross section	recommended bare length*
50 – 95 mm ²	200 mm
50 – 185 mm ²	320 mm

Four conductor cable

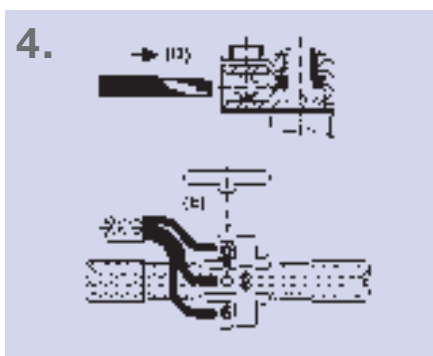
Cross section	recommended bare length*
50 – 120 mm ²	120 mm
50 – 185 mm ²	160 mm

* Observe assembly instructions of manufacturer of glands. On sets with
off-centre bulge (largest gland diameter) spacer wedges are also to be
placed off-centre.

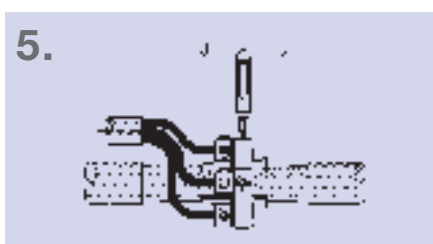


2. Spacer wedges to be placed between conductors.
3. (A) Clamping ring to be placed on the main conductor.
(B) Press clamping halves tight next to wedges.
(C) Push ring hand-tight onto wedges –
not to be pushed until stop.
4. (D) Bare tap conductor.
(E) Insert phase conductor into tap hole and tighten.

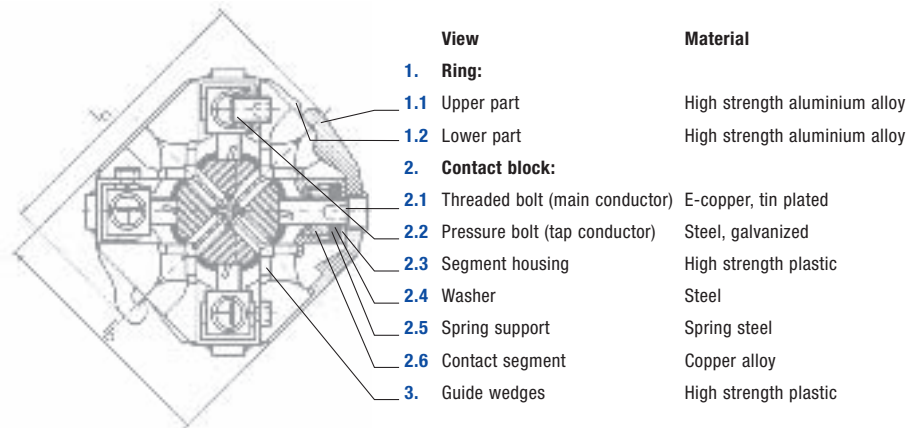
Attention! Insert wrench totally into hexagon screw.
Tap conductors below 16 mm² are recommended to be clamped with kinked
ends.



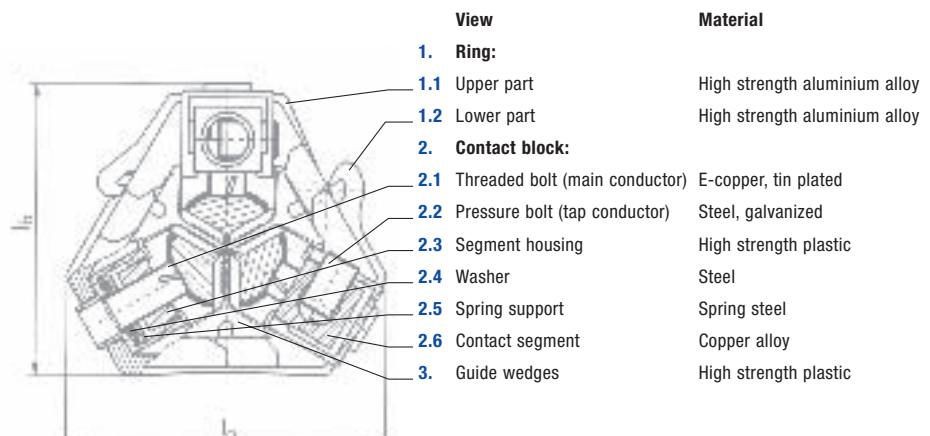
5. · Shear-off screws to be tightened until seated on insulation.
· Contact by alternate uniform tightening.
· Maximum tightening force is achieved when a perceptible
resistance is felt after cutting through insulation (stop),
caused by penetration of bolt into conductor surface.
Recommended tightening torque is approx. (2 kpm).



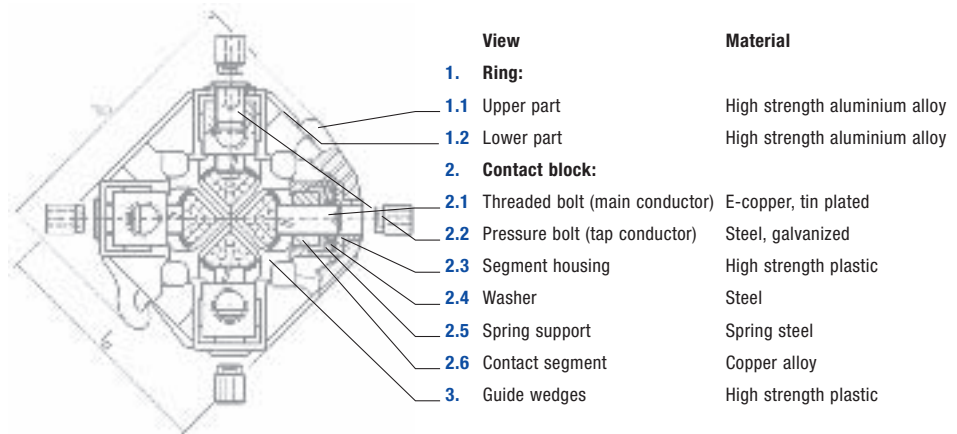
View of the compact tap connectors SKR1204, SKR150/504, SKR150/1504 und SKR1854 for four connector cables



View of the compact tap connector SKR1503 for three connector cables



View of the compact tap connector KSK1504 for four connector cables



Designation of conductor cross sections (AWG, MCM sizes to mm²)

AWG	metric conductor cross-section mm ²	comparable cond. cross-section mm ²	MCM	metric conductor cross-section mm ²	comparable cond. cross-section mm ²
27	0.102	—	250	127	120
26	0.128	0.14	300	152	150
25	0.163	—	350	177	185
24	0.205	0.2	400	203	—
23	0.259	0.25	500	253	240
22	0.325	0.34	600	304	300
21	0.412	—	700	355	—
20	0.519	0.5	800	405	400
19	0.653	—	900	456	—
18	0.823	0.75	1000	507	500
17	1.04	1	1250	633	625
16	1.31	—	1500	760	800
15	1.65	1.5	1750	887	—
14	2.08	—	2000	1010	1000
13	2.63	2.5			
12	3.31	—			
11	4.15	4			
10	5.27	6			
9	6.62	—			
8	8.35	—			
7	10.6	10			
6	13.3	—			
5	16.8	16			
4	21.2	—			
3	26.7	25			
2	33.6	35			
1	42.4	—			
1/0	53.4	50			
2/0	67.5	70			
3/0	85	95			
4/0	107.2	120			

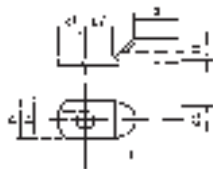
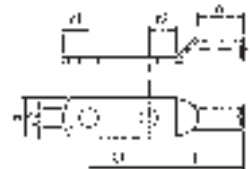
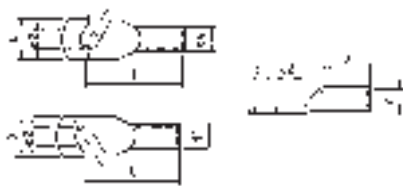
British and American measuring units

length		area		volume		fluid volume		weight	
1 mil	0.0254 mm	1 sq. in.	645.1 mm ²	1 cu. In.	16.386 cm ³	1 pint	0.568 l	1 grain	0.059 g
1 inch (Zoll)	25.4 mm	1 sq. ft.	0.093 m ²	1 cu. Ft.	0.028 m ³	1 quart	1.136 l	1 ounce	28.349 g
1 foot	0.3048 m	1 sq. yd.	0.836 m ²	1 cu. Yd.	0.764 m ³	1 brit. gallon	4.554 l	1 pound (lb)	0.454 kg
1 yard	0.9140 m					1 am gallon	3.785 l	1 brit. ton	1.016 t
1 mile	1.6090 km					1 quarter	290.790 l	1 am. ton	0.907 t
						1 bushel	36.350 l		

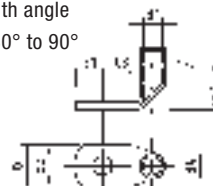
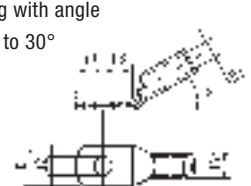
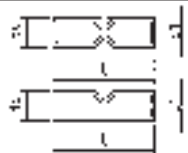
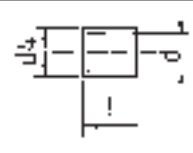
Customer / Company: Customer No.:

Address: Fax:

Contact person: Phone.:

Drawings and Dimensions: Please fill in all the required dimensions and necessary data (see nominal dimensions).
☐ Cable lug

☐ Double hole cable lug

☐ Cable lug with hook
right


left

☐ Lug with angle
from 30° to 90°

☐ Lug with angle
up to 30°

☐ Butt splice

☐ Parallel connector


Number of buttmarks: 0 / 1 / 2 /

Other types acc. to your sketches/Remarks:

Nominal dimensions (mm):

Dimension d1 Dimension l

Dimension d4 Dimension l1

Dimension d2 Dimension l3

Dimension a

Dimension b

Dimension c1 Angle x

Dimension c2

Technical Data

Type of conductor (if known):

Section (Cable):

Inspection hole (on cable lugs): ☐ Cable lug ☐ DIN lug

Surface: ☐ bright ☐ tin plated ☐ nickel plated

others:

Material: ☐ E-Cu ☐ E-Al 99.5

others:

Commercial Data

Quantity / Annual requirement:

Requested delivery time:

Sample: ☐ Yes ☐ No

Test report of first sample: ☐ Yes ☐ No

Additional Information:

Date: Signature (Customer):

A

A

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371R10	3.5	422R	3.8	432R95	3.9	45R1245	1.8
371R12	3.5	423R	3.8	43312	6.5	45R14	1.6
371R16	3.5	424R	3.8	4338	6.5	45R1445	1.8
371R20	3.5	425R25	3.9	433R150	3.9	45R16	1.6
3720	7.11	426R25	3.9	433R185	3.9	45R1645	1.8
3725	7.11	426R35	3.9	433R240	3.9	45R6	1.6
3728	6.8	427R25	3.9	43410	6.5	45R645	1.8
372R10	3.5	427R35	3.9	434R185	3.9	45R8	1.6
372R12	3.5	427R50	3.9	434R240	3.9	45R845	1.8
372R16	3.5	428R25	3.9	434R300	3.9	46910	6.2
372R20	3.5	428R35	3.9	43512	6.5	4696	6.2
3735	7.11	428R50	3.9	43612	6.5	4698	6.2
3738	6.8	428R70	3.9	43712	6.5	46R10	1.6
373R12	3.5	429R25	3.9	43R10	1.6	46R1045	1.8
373R16	3.5	429R35	3.9	43R1045	1.8	46R12	1.6
373R20	3.5	429R50	3.9	43R12	1.6	46R1245	1.8
38201	7.11	429R70	3.9	43R1245	1.8	46R14	1.6
38201A	7.11	429R95	3.9	43R5	1.6	46R1445	1.8
3R10	1.4	42R10	1.6	43R545	1.8	46R16	1.6
3R12	1.4	42R1045	1.8	43R6	1.6	46R1645	1.8
3R5	1.4	42R12	1.6	43R645	1.8	46R20	1.6
3R6	1.4	42R1245	1.8	43R8	1.6	46R2045	1.8
3R8	1.4	42R5	1.6	43R845	1.8	46R6	1.6
405R	3.7	42R545	1.8	444R	3.12	46R645	1.8
406R	3.7	42R6	1.6	445R	3.12	46R8	1.6
407R	3.7	42R645	1.8	446R	3.12	46R845	1.8
408R	3.7	42R8	1.6	447R	3.12	47010	6.2
409R	3.7	42R845	1.8	448R	3.12	47012	6.2
410R	3.7	430R120	3.9	449R	3.12	4706	6.2
411R	3.7	430R25	3.9	44R10	1.6	4708	6.2
412R	3.7	430R35	3.9	44R1045	1.8	47110	6.2
413R	3.7	430R50	3.9	44R12	1.6	47112	6.2

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4716	6.2	48R1445	1.8	510RLD	2.11	53R2045	1.9
4718	6.2	48R16	1.6	511R	2.10	54R12	1.7
47210	6.2	48R1645	1.8	511RLD	2.11	54R1245	1.9
47212	6.2	48R20	1.6	512R	2.10	54R14	1.7
47218	6.2	48R2045	1.8	512RLD	2.11	54R1445	1.9
4726	6.2	48R8	1.6	513R	2.10	54R16	1.7
4728	6.2	48R845	1.8	513RLD	2.11	54R1645	1.9
47312	6.2	49R10	1.7	514R	2.10	54R20	1.7
47318	6.2	49R1045	1.9	514RLD	2.11	54R2045	1.9
4738	6.2	49R12	1.7	51R10	1.7	551R	4.10
47410	6.2	49R1245	1.9	51R1045	1.9	552R	4.10
47412	6.2	49R14	1.7	51R12	1.7	553R	4.10
47418	6.2	49R1445	1.9	51R1245	1.9	554R	4.10
47512	6.2	49R16	1.7	51R14	1.7	555R	4.10
47518	6.2	49R1645	1.9	51R1445	1.9	556R	4.10
47612	6.2	49R20	1.7	51R16	1.7	557R	4.10
47618	6.2	49R2045	1.9	51R1645	1.9	558R	4.10
47712	6.2	49R8	1.7	51R20	1.7	559R	4.10
47718	6.2	49R845	1.9	51R2045	1.9	560R	4.10
47816	6.2	4R10	1.4	523R	2.10	561R	4.10
47818	6.2	4R12	1.4	524R	2.10	562R	4.10
47822	6.2	4R14	1.4	525R	2.10	563R	4.10
47916	6.2	4R5	1.4	526R	2.10	56C4	1.26
47918	6.2	4R6	1.4	527R	2.10	56C5	1.26
47925	6.2	4R8	1.4	528R	2.10	56N4	1.25
47R10	1.6	504R	2.10	529R	2.10	56N5	1.25
47R1045	1.8	504RLD	2.11	52R10	1.7	572R6	4.9
47R12	1.6	505R	2.10	52R1045	1.9	573R6	4.9
47R1245	1.8	505RLD	2.11	52R12	1.7	573R8	4.9
47R14	1.6	506R	2.10	52R1245	1.9	574R8	4.9
47R1445	1.8	506RLD	2.11	52R14	1.7	575R8	4.9
47R16	1.6	507R	2.10	52R1445	1.9	57C4	1.26
47R1645	1.8	507RLD	2.11	52R16	1.7	57C5	1.26
47R20	1.6	508R	2.10	52R1645	1.9	57C6	1.26
47R2045	1.8	508RLD	2.11	52R20	1.7	57N4	1.25
47R6	1.6	509R	2.10	52R2045	1.9	57N5	1.25
47R645	1.8	509RLD	2.11	530R	2.10	57N6	1.25
47R8	1.6	50R10	1.7	531R	2.10	584R10	4.9
47R845	1.8	50R1045	1.9	532R	2.10	584R8	4.9
48020	6.2	50R12	1.7	533R	2.10	585R10	4.9
48025	6.2	50R1245	1.9	534R	2.10	585R12	4.9
48121	6.2	50R14	1.7	535R	2.10	585R8	4.9
48225	6.2	50R1445	1.9	536R	2.10	586R10	4.9
48327	6.2	50R16	1.7	53R12	1.7	586R12	4.9
48432	6.2	50R1645	1.9	53R1245	1.9	587R10	4.9
48R10	1.6	50R20	1.7	53R14	1.7	587R12	4.9
48R1045	1.8	50R2045	1.9	53R1445	1.9	588R10	4.9
48R12	1.6	50R8	1.7	53R16	1.7	588R12	4.9
48R1245	1.8	50R845	1.9	53R1645	1.9	589R10	4.9
48R14	1.6	510R	2.10	53R20	1.7	589R12	4.9

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589R16	4.9	606R16	1.15	6206	7.2	6526	4.4
58C4	1.26	606R20	1.15	6208	7.2	6528	4.4
58C5	1.26	606R6	1.15	620C3	7.3	652C5	4.6
58C6	1.26	606R8	1.15	620C35	7.3	652C6	4.6
58N4	1.25	607R10	1.15	620C4	7.3	65310	4.4
58N5	1.25	607R12	1.15	620C5	7.3	65312	4.4
58N6	1.25	607R14	1.15	620C6	7.3	6535	4.4
590R10	4.9	607R16	1.15	622R	1.16	6536	4.4
590R12	4.9	607R20	1.15	623R	1.16	6538	4.4
590R16	4.9	607R6	1.15	624R	1.16	653C6	4.6
590R20	4.9	607R8	1.15	625R	1.16	653C8	4.6
592R12	4.9	608R10	1.16	626R	1.16	65410	4.4
592R16	4.9	608R12	1.16	627R	1.16	65412	4.4
592R20	4.9	608R14	1.16	628R	1.16	65416	4.4
59C5	1.26	608R16	1.16	629R	1.16	6545	4.4
59C6	1.26	608R20	1.16	62N6	1.25	6546	4.4
59N5	1.25	608R8	1.16	62N8	1.25	6548	4.4
59N6	1.25	609R10	1.16	62R	1.26	65510	4.4
5R10	1.4	609R12	1.16	63010	7.2	65512	4.4
5R12	1.4	609R14	1.16	6303	7.2	65516	4.4
5R14	1.4	609R16	1.16	63035	7.2	6556	4.4
5R16	1.4	609R20	1.16	6304	7.2	6558	4.4
5R6	1.4	609R8	1.16	6305	7.2	65610	4.4
5R8	1.4	60C5	1.26	6306	7.2	65612	4.4
5SG6	1.27	60C6	1.26	6308	7.2	65616	4.4
602R10	1.15	60C8	1.26	630C3	7.3	6566	4.4
602R12	1.15	60N5	1.25	630C35	7.3	6568	4.4
602R5	1.15	60N6	1.25	630C4	7.3	65710	4.4
602R6	1.15	60N8	1.25	630C5	7.3	65712	4.4
602R8	1.15	610R10	1.16	630C6	7.3	65716	4.4
603R10	1.15	610R12	1.16	630R	1.16	6576	4.4
603R12	1.15	610R14	1.16	63N10	1.25	6578	4.4
603R5	1.15	610R16	1.16	63N8	1.25	65810	4.4
603R6	1.15	610R20	1.16	63R	1.26	65812	4.4
603R8	1.15	610R8	1.16	64N10	1.25	65816	4.4
604R10	1.15	6192	7.2	64N12	1.25	65910	4.4
604R12	1.15	61925	7.2	64R	1.26	65912	4.4
604R14	1.15	6193	7.2	65010	7.2	65916	4.4
604R5	1.15	61935	7.2	6504	7.2	65N10	1.25
604R6	1.15	6194	7.2	6505	7.2	65N12	1.25
604R8	1.15	6195	7.2	6506	7.2	65R	1.26
605R10	1.15	619C3	7.3	6508	7.2	66010	4.4
605R12	1.15	61N6	1.25	650C10	7.3	66012	4.4
605R14	1.15	61N8	1.25	650C4	7.3	66016	4.4
605R16	1.15	62010	7.2	650C5	7.3	669	7.8
605R6	1.15	62025	7.2	650C6	7.3	66R	1.26
605R8	1.15	6203	7.2	650C8	7.3	670	7.8
606R10	1.15	62035	7.2	65210	4.4	670WS	7.8
606R12	1.15	6204	7.2	65212	4.4	680	7.8
606R14	1.15	6205	7.2	6525	4.4	680WS	7.8

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695V	5.2	707F16	1.19	720	7.5	7315	5.2
697	5.2	707F8	1.19	7208	7.5	7315V	5.2
697V	5.2	707V	5.2	720AZ	7.6	7318	5.2
6R10	1.4	708F10	1.19	720BZ	7.6	7318V	5.2
6R12	1.4	708F12	1.19	720V	7.7	7320	5.2
6R14	1.4	708F14	1.19	7210	5.2	7320V	5.2
6R16	1.4	708F16	1.19	7210V	5.2	735	7.14
6R20	1.4	708F8	1.19	7212	5.2	737	5.2
6R6	1.4	709F10	1.19	7212V	5.2	737V	5.2
6R8	1.4	709F12	1.19	7215	5.2	738	5.2
6SG10	1.27	709F14	1.19	7215V	5.2	738V	5.2
6SG6	1.27	709F16	1.19	7218	5.2	7410	5.2
6SG8	1.27	709F20	1.19	7218V	5.2	7410V	5.2
700	7.8	710	7.3	7220	5.2	7412	5.2
700WS	7.8	710F10	1.19	7220V	5.2	7412V	5.2
702F10	1.19	710F12	1.19	722F	1.22	7415	5.2
702F12	1.19	710F14	1.19	723F	1.22	7415V	5.2
702F5	1.19	710F16	1.19	724F	1.22	7418	5.2
702F6	1.19	710F20	1.19	725	7.14	7418V	5.2
702F8	1.19	710K	7.3	725F	1.22	7420	5.2
703F10	1.19	710L	7.3	726	5.2	7420V	5.2
703F12	1.19	7110	5.2	726F	1.22	742F10	1.21
703F5	1.19	7110V	5.2	726V	5.2	742F12	1.21
703F6	1.19	7112	5.2	727	5.2	742F5	1.21
703F8	1.19	7112V	5.2	727F	1.22	742F6	1.21
704	7.3	7115	5.2	727V	5.2	742F8	1.21
704F10	1.19	7115V	5.2	728	5.2	743F10	1.21
704F12	1.19	711F12	1.20	728F	1.22	743F12	1.21
704F5	1.19	711F14	1.20	728V	5.2	743F5	1.21
704F6	1.19	711F16	1.20	729F	1.22	743F6	1.21
704F8	1.19	711F20	1.20	72S10	5.2	743F8	1.21
705	7.3	712F12	1.20	72S10V	5.2	744F10	1.21
7050	5.2	712F14	1.20	72S12	5.2	744F12	1.21
705F10	1.19	712F16	1.20	72S12V	5.2	744F5	1.21
705F12	1.19	712F20	1.20	72S15	5.2	744F6	1.21
705F14	1.19	713F12	1.20	72S15V	5.2	744F8	1.21
705F6	1.19	713F14	1.20	72S6	5.2	745F10	1.21
705F8	1.19	713F16	1.20	72S6V	5.2	745F12	1.21
705K	7.3	713F20	1.20	72S8	5.2	745F14	1.21
705V	5.2	715	7.3	72S8V	5.2	745F6	1.21
706F10	1.19	716	5.2	730	7.5	745F8	1.21
706F12	1.19	716V	5.2	7308	7.5	746F10	1.21
706F14	1.19	718	5.2	730AZ	7.6	746F12	1.21
706F16	1.19	718V	5.2	730BZ	7.6	746F14	1.21
706F6	1.19	71S10	5.2	730F	1.22	746F16	1.21
706F8	1.19	71S10V	5.2	730V	7.7	746F6	1.21
707	5.2	71S6	5.2	7310	5.2	746F8	1.21
707F10	1.19	71S6V	5.2	7310V	5.2	747F10	1.21
707F12	1.19	71S8	5.2	7312	5.2	747F12	1.21

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747F16	1.21	7618V	5.3	7932	5.3	8151	7.16
747F8	1.21	7620	5.3	7932V	5.3	81512	7.16
748	5.2	7620V	5.3	79R	1.24	8152	7.16
748F10	1.21	7625	5.3	79V4	1.23	816	7.16
748F12	1.21	7625V	5.3	79V5	1.23	817	7.16
748F14	1.21	769	7.9	7R10	1.4	81R	1.24
748F16	1.21	770	7.9	7R12	1.4	81V4	1.23
748F8	1.21	7712	5.3	7R14	1.4	81V5	1.23
748V	5.2	7712V	5.3	7R16	1.4	81V6	1.23
749	5.2	7715	5.3	7R20	1.4	820	7.7
749F10	1.21	7715V	5.3	7R6	1.4	8201	7.5
749F12	1.21	7718	5.3	7R8	1.4	8201A	7.5
749F14	1.21	7718V	5.3	7SG10	1.27	8201AV	7.7
749F16	1.21	7720	5.3	7SG12	1.27	8201B	7.7
749F20	1.21	7720V	5.3	7SG6	1.27	8201C	7.7
749V	5.2	7725	5.3	7SG8	1.27	8201V	7.7
750	7.5	7725V	5.3	8001	7.15	8202	7.5
7509	7.5	7732	5.3	80012	7.15	8202B	7.7
750AZ	7.6	7732V	5.3	8002	7.15	8202V	7.7
750BZ	7.6	775	7.14	8011	7.16	8203	7.5
750F10	1.22	780	7.9	80112	7.16	8203B	7.7
750F12	1.22	7812	5.3	8012	7.16	8203V	7.7
750F14	1.22	7812V	5.3	8018	5.3	8225	5.3
750F16	1.22	7815	5.3	8018V	5.3	8225V	5.3
750F20	1.22	7815V	5.3	8022	5.3	8230	5.3
750V	7.7	7818	5.3	8022V	5.3	8230V	5.3
7510	5.2	7818V	5.3	8025	5.3	8232	5.3
7510V	5.2	7820	5.3	8025V	5.3	8232V	5.3
7512	5.2	7820V	5.3	8030	5.3	8234	5.3
7512V	5.2	7825	5.3	8030V	5.3	8234V	5.3
7515	5.2	7825V	5.3	8032	5.3	82R	1.24
7515V	5.2	7828	5.3	8032V	5.3	82V5	1.23
7518	5.2	7828V	5.3	8051	7.15	82V6	1.23
7518V	5.2	7832	5.3	80512	7.15	82V8	1.23
751F12	1.22	7832V	5.3	8052	7.15	830	7.7
751F14	1.22	790	7.9	80R	1.24	8301	7.5
751F16	1.22	7912	5.3	80V4	1.23	8301A	7.5
751F20	1.22	7912V	5.3	80V5	1.23	8301AV	7.7
7520	5.2	7915	5.3	80V6	1.23	8301V	7.7
7520V	5.2	7915V	5.3	8101	7.15	8302	7.5
7525	5.2	7918	5.3	81012	7.15	8302B	7.7
7525V	5.2	7918V	5.3	8102	7.15	8302V	7.7
755	7.14	7920	5.3	8122	5.3	8303	7.5
7610	5.3	7920V	5.3	8122V	5.3	8303B	7.7
7610V	5.3	7922	5.3	8125	5.3	8303V	7.7
7612	5.3	7922V	5.3	8125V	5.3	8330	5.4
7612V	5.3	7925	5.3	8130	5.3	8330V	5.4
7615	5.3	7925V	5.3	8130V	5.3	8332	5.4
7615V	5.3	7930	5.3	8132	5.3	8332V	5.4

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8338	5.4	87310	6.6	93R6	1.2	A50	11.4
8338V	5.4	87313	6.6	93R8	1.2	A70	11.4
8340	5.4	87412	6.6	94C4	1.3	A95120	11.4
8340V	5.4	87514	6.6	94C5	1.3	AD22120	11.9
83R	1.24	87614	6.6	94C6	1.3	AD22150185	11.9
83V5	1.23	87714	6.6	94C8	1.3	AD2225	11.9
83V6	1.23	87R	1.24	94R4	1.2	AD2235	11.9
83V8	1.23	87V10	1.23	94R5	1.2	AD2250	11.9
8432	5.4	87V12	1.23	94R6	1.2	AD2270	11.9
8432V	5.4	87V16	1.23	94R8	1.2	AD2295	11.9
8434	5.4	87V8	1.23	950	7.4	AD25	11.5
8434V	5.4	88R	1.24	950V	7.4	AD35	11.5
8438	5.4	88V10	1.23	95C4	1.3	AD50	11.5
8438V	5.4	88V12	1.23	95C5	1.3	AD70	11.5
8440	5.4	88V8	1.23	95C6	1.3	AD95	11.5
8440V	5.4	8R10	1.5	95C8	1.3	AE10	11.6
84R	1.24	8R12	1.5	95R4	1.2	AE16	11.6
84V6	1.23	8R14	1.5	95R5	1.2	AE2210	11.12
84V8	1.23	8R16	1.5	95R6	1.2	AE22120	11.12
850	7.7	8R20	1.5	95R8	1.2	AE22150	11.12
8502B	7.7	8R8	1.5	96C5	1.3	AE2216	11.12
8502V	7.7	8SG10	1.27	96C6	1.3	AE22185	11.12
8503	7.5	8SG12	1.27	96C8	1.3	AE2225	11.12
8503B	7.7	8SG6	1.27	97C5	1.3	AE2235	11.12
8503V	7.7	8SG8	1.27	97C6	1.3	AE2250	11.12
8532	5.4	91C3	1.3	97C8	1.3	AE2270	11.12
8532V	5.4	91C4	1.3	9R10	1.5	AE2295	11.12
8540	5.4	91C5	1.3	9R12	1.5	AE25	11.6
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85V6	1.23	91R5	1.2	9R20	1.5	AE501	11.2
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8634	5.4	920V	7.4	9SG10	1.27	AE503	11.2
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8640	5.4	92C4	1.3	9SG6	1.27	AE95	11.6
8640V	5.4	92C5	1.3	9SG8	1.27	AES10	11.7
8678	6.6	92C6	1.3	A10	11.4	AES16	11.7
8688	6.6	92R3	1.2	A150	11.4	AES2210	11.12
8698	6.6	92R4	1.2	A1625	11.4	AES22120	11.12
86R	1.24	92R5	1.2	A185	11.4	AES22150	11.12
86V10	1.23	92R6	1.2	A2210	11.9	AES2216	11.12
86V12	1.23	930	7.4	A22150	11.9	AES22185	11.12
86V6	1.23	930V	7.4	A221625	11.9	AES22240	11.12
86V8	1.23	93C3	1.3	A22185	11.9	AES22240	11.12
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8708	6.6	93C5	1.3	A2235	11.9	AES2235	11.12
87110	6.6	93C6	1.3	A2250	11.9	AES2250	11.12
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AES70	11.7	D22150	11.8	F2210	11.10	HA2570	11.21
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AST2250	11.9	D22300	11.8	F2270	11.10	HA450	11.13
AST2270	11.9	D2235	11.8	F25	11.6	HA45150	11.26
AST2295	11.9	D2250	11.8	F35	11.6	HA45185	11.26
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BAG9708	6.7	D2270	11.8	FHP2	10.53	HA45300	11.26
BAG9718	6.7	D2295	11.8	FTA1	10.57	HA45400	11.26
BAG9728	6.7	D25	11.4	GR1698	6.4	HA45500	11.26
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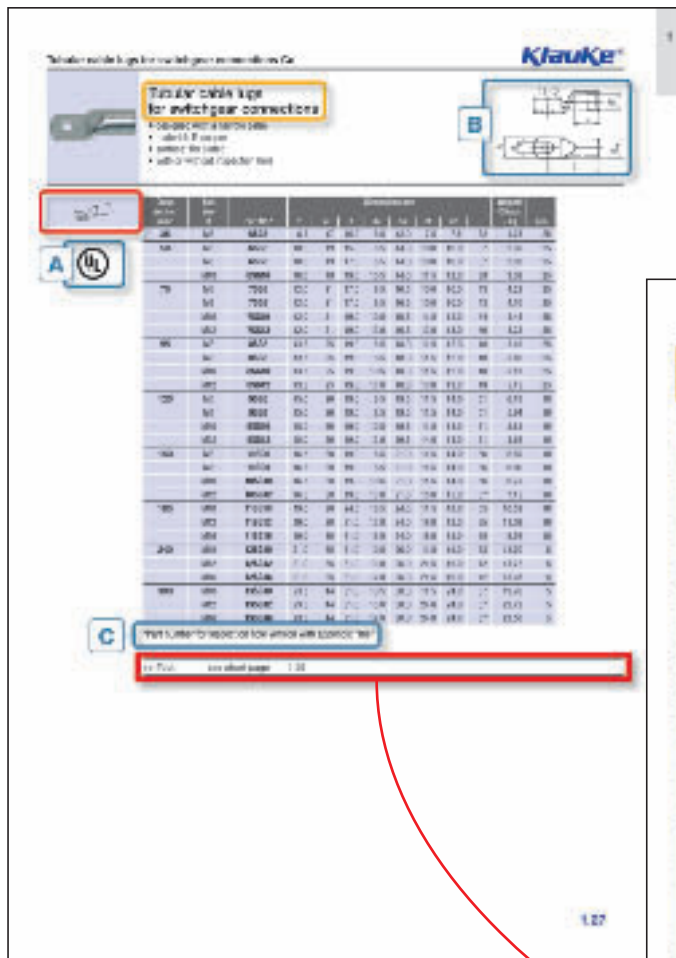
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PK60UNV	10.41	RH15095	2.12	SAK11	4.11	SK32L	8.8
PK60VP	10.32	RH185120	2.12	SAK12	4.11	SK32L	8.11
PK60VPFT	10.33	RH185150	2.12	SAK13	4.11	SK43B	8.8
Q10	11.5	RH18595	2.12	SAK14	4.11	SK43L	8.8
Q16	11.5	RH240120	2.12	SAK15	4.11	SK43L	8.11
Q2210	11.10	RH240150	2.12	SAK16	4.11	SK45B	8.7
Q2216	11.10	RH240185	2.12	SAK17	4.11	SK47B	8.8
Q2225	11.10	RH2510	2.12	SAK18	4.11	SK4L	8.11
Q2235	11.10	RH2516	2.12	SAK19	4.11	SK50B	8.3
Q2250	11.10	RH300150	2.12	SAK20	4.11	SK65B	8.3
Q2270	11.10	RH300185	2.12	SAK21	4.11	SK65L	8.3
Q25	11.5	RH300240	2.12	SAK22	4.11	SK65L	8.12
Q35	11.5	RH3510	2.12	SAK23	4.11	SK82P	8.10
Q50	11.5	RH3516	2.12	SAK24	4.11	SK82S	8.10
Q501	11.2	RH3525	2.12	SAK25	4.11	SK95L	8.12
Q70	11.5	RH400185	2.12	SAK30	4.12	SKP1	9.18
R10	11.4	RH400240	2.12	SAK31	4.12	SKP6	9.18
R120	11.4	RH400300	2.12	SAK32	4.12	SKR1204	4.21
R150	11.4	RH5016	2.12	SAK33	4.12	SKR1501504	4.21
R16	11.4	RH5025	2.12	SAK34	4.12	SKR1503	4.21
R185	11.4	RH5035	2.12	SAK35	4.12	SKR1504	4.21
R2210	11.8	RH7025	2.12	SAK36	4.12	SKR150504	4.21
R22120	11.8	RH7035	2.12	SAK37	4.12	SKR1854	4.21
R22150	11.8	RH7050	2.12	SAK38	4.12	SKV10	1.13
R2216	11.8	RH9535	2.12	SAK39	4.12	SKV1525	1.13
R22185	11.8	RH9550	2.12	SAK40	4.12	SKV16	1.13
R22240	11.8	RH9570	2.12	SAK41	4.12	SKV25	1.13
R2225	11.8	RU10	11.5	SAK42	4.12	SKV35	1.13
R22300	11.8	RU12095	11.5	SAK43	4.12	SKV4	1.13
R2235	11.8	RU150120	11.5	SAK44	4.12	SKV50	1.13
R2250	11.8	RU16	11.5	SAK45	4.12	SKV6	1.13
R226	11.8	RU185150	11.5	SAK46	4.12	SR106	1.14
R2270	11.8	RU2210	11.10	SAK47	4.12	SR108	1.14
R2295	11.8	RU2212095	11.10	SB501	11.3	SR166	1.14
R25	11.4	RU22150120	11.10	SDG45	10.38	SR168	1.14
R35	11.4	RU2216	11.10	SDG50	10.39	SR256	1.14
R50	11.4	RU22185150	11.10	SDG85	10.39	SR258	1.14
R501	11.2	RU22240185	11.10	SDK2021	10.40	SR3510	1.14
R502	11.2	RU22300240	11.10	SDK2022	10.40	SR356	1.14
R6	11.4	RU223525	11.10	SDK502	10.40	SR358	1.14
R70	11.4	RU225035	11.10	SH271	6.9	SR5010	1.14
R95	11.4	RU227050	11.10	SH272	6.9	SR506	1.14
RA3	10.58	RU229570	11.10	SH273	6.9	SR508	1.14

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SR65	1.14	ST3B	8.5	SV309AK	4.18	TV150	1.11
SR66	1.14	ST3L	8.5	SV309AKV	4.18	TV16	1.11
SSG1202	10.49	ST5L	8.4	SV309V	4.18	TV185	1.11
SSG852	10.49	ST9698	6.7	SV310	4.18	TV240	1.11
SSG902	10.49	ST9708	6.7	SV310AK	4.18	TV2.5	1.11
ST11B	8.5	ST9718	6.7	SV310AKV	4.18	TV25	1.11
ST11L	8.5	ST9728	6.7	SV310V	4.18	TV35	1.11
ST12B	8.5	ST9738	6.7	SV311AKNL	4.18	TV4	1.11
ST12L	8.5	STV10	1.12	SV312AKNL	4.18	TV50	1.11
ST13B	8.5	STV1525	1.12	SV312AKNLV	4.18	TV6	1.11
ST13L	8.5	STV16	1.12	SV315	4.18	TV70	1.11
ST15B	8.4	STV25	1.12	SV315V	4.18	TV95	1.11
ST15L	8.4	STV35	1.12	SV319AKNLV	4.18	TW50	10.57
ST1705	4.7	STV4	1.12	SV320	4.18	UA18	10.11
ST1710	4.7	STV50	1.12	SV320V	4.18	UA18	10.29
ST1715	4.7	STV6	1.12	SV322AKVK	4.18	UA18	10.41
ST1716	4.7	SV10	1.10	SV35	1.10	UA22	10.41
ST1716IS	4.7	SV100	4.15	SV4	1.10	UA22	10.11
ST1717	4.7	SV1525	1.10	SV400	4.19	UA22	10.29
ST1717IS	4.7	SV16	1.10	SV405V	4.19	UA5	10.29
ST1718	4.7	SV200	4.15	SV410	4.19	UA5	10.41
ST1718IS	4.7	SV200BK	4.15	SV410AK	4.19	UA5	10.11
ST1719	4.7	SV25	1.10	SV420	4.19	UA6P	10.11
ST1719IS	4.7	SV300	4.16	SV420AK	4.19	UA6P	10.29
ST1720	4.7	SV300V	4.16	SV420V	4.19	UA6P	10.41
ST1720IS	4.7	SV301	4.16	SV430	4.19	UC26	10.11
ST1721	4.7	SV301AK	4.16	SV430AK	4.19	UC26	10.29
ST1721IS	4.7	SV301AKV	4.16	SV440	4.19	UC26	10.41
ST1722	4.7	SV301V	4.16	SV440AK	4.19	UC40	10.29
ST1722IS	4.7	SV302	4.16	SV50	1.10	UC40	10.41
ST1B	8.5	SV302AK	4.16	SV501	4.15	UC40	10.11
ST1L	8.5	SV302AKV	4.16	SV501V	4.15	UCACSR	10.41
ST21B	8.4	SV302V	4.16	SV6	1.10	UCACSR	10.11
ST21L	8.4	SV303	4.16	T15	10.57	UCACSR	10.29
ST221215	11.9	SV303AK	4.16	TAS10	4.10	UCD3215	10.11
ST2220	11.9	SV303V	4.16	TAS16	4.10	UCD3215	10.29
ST2246	11.9	SV304AKNL	4.16	TAS25	4.10	UCD3215	10.41
ST228	11.9	SV304AKNLV	4.16	TAS35	4.10	UCD3515	10.41
ST22B	8.4	SV305	4.17	TAS50	4.10	UCD3515	10.11
ST22L	8.4	SV305AK	4.17	TAS6	4.10	UCD3515	10.29
ST23B	8.4	SV305AKV	4.17	TAS70	4.10	UCD3575	10.41
ST23L	8.4	SV305V	4.17	TAS95	4.10	UCD3575	10.11
ST2B	8.5	SV306	4.17	TC1S	10.58	UCD3575	10.29
ST2L	8.5	SV306AK	4.17	TEKP1	10.42	UCM10	10.41
ST31B	8.5	SV306AKV	4.17	THK18	10.43	UCM10	10.11
ST31L	8.5	SV306V	4.17	THK22	10.44	UCM10	10.29
ST32B	8.5	SV307AKNL	4.16	TK95	9.11	UCM12	10.41
ST32L	8.5	SV307V	4.16	TV10	1.11	UCM12	10.11
ST33B	8.5	SV308	4.16	TV120	1.11	UCM12	10.29
ST33L	8.5	SV309	4.18	TV15	1.11	UCM5	10.29

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UCM5	10.11	VHR120	1.17
UCM6	10.41	VHR1203	1.17
UCM6	10.29	VHR1204	1.18
UCM6	10.11	VHR150	1.17
UCM8	10.41	VHR1503	1.17
UCM8	10.11	VHR1504	1.18
UCM8	10.29	VHR16	1.17
UCN2980	10.11	VHR185	1.17
UCN2980	10.29	VHR1853	1.17
UCN2980	10.41	VHR1854	1.18
UCUNC12	10.41	VHR240	1.17
UCUNC12	10.11	VHR2403	1.17
UCUNC12	10.29	VHR2404	1.18
UCUNC14	10.41	VHR25	1.17
UCUNC14	10.11	VHR300	1.17
UCUNC14	10.29	VHR35	1.17
UCUNC38	10.41	VHR353	1.17
UCUNC38	10.11	VHR354	1.18
UCUNC38	10.29	VHR400	1.17
UPD6	10.11	VHR50	1.17
UPD6	10.29	VHR503	1.17
UPD6	10.41	VHR504	1.18
VHD120	2.13	VHR70	1.17
VHD1203	2.13	VHR703	1.17
VHD1204	2.14	VHR704	1.18
VHD150	2.13	VHR95	1.17
VHD1503	2.13	VHR953	1.17
VHD1504	2.14	VHR954	1.18
VHD16	2.13	VK1	8.2
VHD185	2.13	VK2	8.2
VHD1853	2.13	VK3	8.2
VHD1854	2.14	ZAE10	11.6
VHD240	2.13	ZAE16	11.6
VHD2403	2.13	ZAE2210	11.12
VHD2404	2.14	ZAE2216	11.12
VHD25	2.13	ZAE224	11.12
VHD300	2.13	ZAE226	11.12
VHD35	2.13	ZAE4	11.6
VHD353	2.13	ZAE6	11.6
VHD354	2.14	ZAES10	11.7
VHD400	2.13	ZAES16	11.7
VHD50	2.13	ZAES2210	11.12
VHD503	2.13	ZAES2216	11.12
VHD504	2.14	ZAES224	11.12
VHD70	2.13	ZAES226	11.12
VHD703	2.13	ZAES4	11.7
VHD704	2.14	ZAES6	11.7
VHD95	2.13	ZST3	10.57
VHD953	2.13		

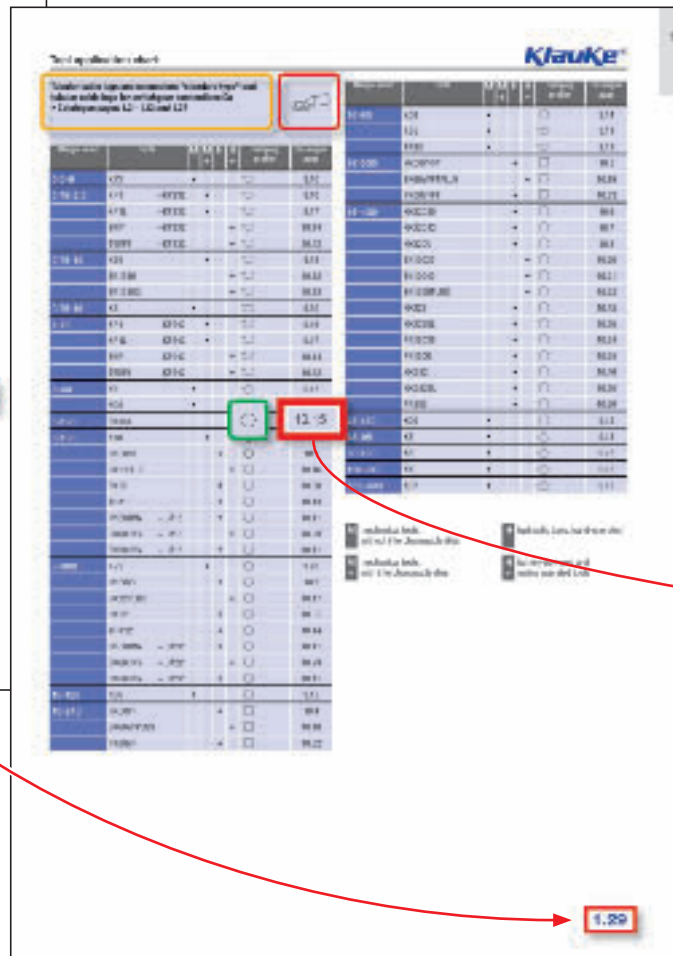
Tools	Crimping profiles	Connecting materials
M mechanical tools, without interchangeable dies	 Hexagonal crimping	 Cable end-sleeves
M + mechanical tools, with interchangeable dies	 Indent crimping Solderless copper terminals	 C-Clamps
H hydraulic tools, hand-operated	 Oval crimping	 Insulated receptacles, insulated connecting material
H + battery powered and mains operated tools	 Indent crimping	 Non-insulated receptacles
	 Indent crimping Tubular cable lugs	 Cable lugs and connectors "standard type"
	 Trapezoid crimping	 Compression cable lugs and connectors AL
	 Indent crimping Cable end-sleeves	 Compression cable lugs and connectors acc. to DIN
	 Square crimping	 Tubular nickel cable lugs and connectors, stainless steel tubular nickel cable lugs and connectors
	 Roll-crimping	 Tubular cable lugs and connectors for fine stranded conductors
	 Pre-rounding	 Tubular cable lugs and connectors for solid conductors
	 Quad-point crimping	 Insulated solderless copper terminals
	 Four point crimping	 Solderless copper terminals and connectors
	 Special trapezoid crimp	

We connect with system



1 Crimping connectors

Section 1 - 7 specifies information for all crimping connectors. Underneath of section product information a cross reference to the appropriate tooling chart at the end of each chapter is being provided.



2 Tooling chart

For all crimping connectors a cross reference to the adequate crimping tool is available in consideration of required crimping range and crimp profile.



Test symbol



Adequate crimping
tools and crimping dies



Pictograms for crimping connectors



Dimensioned drawing



Product description in
all relevant sections

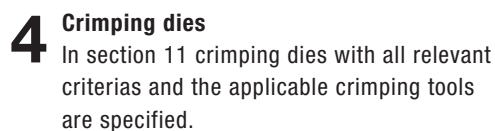
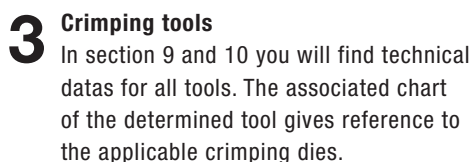


Pictograms for crimp profiles for tool selection



Reference guide of product options

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