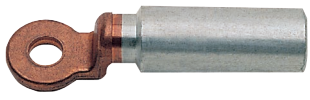
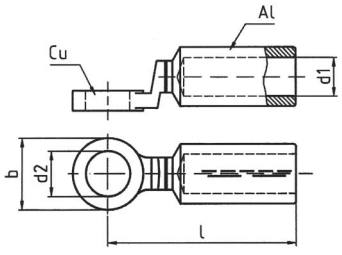




Al/Cu

Compression cable lugs, Al/Cu 16 - 300 mm²

- **For screwing aluminium connections using copper washers**
- **For non-tension connections of Al cables to DIN 48201, part 1 and aluminium cables to DIN EN 50182**
- **For pre-rounded sector shaped conductors**

Characteristics

- Barrier with solid copper screw-on palm
- Tube dimension to DIN 46329
- With markings for correct crimping

Material

- E-Al
- Copper to EN 13600

Surface

- bright

Order info

- sm/se-conductor needs to be pre-rounded!
- rm = round stranded
- sm = sector stranded
- se = sector solid

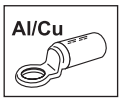
Cross section mm² rm/sm	se	Size of bolt Ø	Part No.	Code	Dimensions mm d1	d2	b	l	Number of crimps mech.	hydr.	Weight 100 pcs. ~ kg Cu	Total	pcs.
16	25	M 8	**363R8**	12	6.0	8.5	25	67.5	4	2	4.4	5.9	10
	25	M 10	**363R10**	12	6.0	10.5	25	67.5	4	2	4.2	5.7	10
25	35	M 8	**364R8**	12	6.8	8.5	25	67.5	4	2	4.4	5.8	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

Compression cable lugs, Al/Cu 16 - 300 mm²

Cross section mm² rm/sm	se	Size of bolt Ø	Part No.	Code	Dimensions mm d1	d2	b	l	Number of crimps mech.	hydr.	Weight 100 pcs. ~ kg Cu	Total	pcs.
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

▶ Tool: see chart page 121

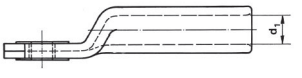
Compression cable lugs, Al/Cu 10 - 400 mm²



- **For screwing non-tension aluminium connections using copper washers**
- **For non-tension connections of Al cables to DIN 48201, part 1 and aluminium cables to DIN EN 50182**
- **For pre-rounded sector shaped conductors**

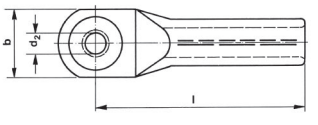
Characteristics

- With Cu eye in screw-on area
- With markings for correct crimping



Material

- E-Al
- Copper to EN 13600



Surface

- bright

Order info

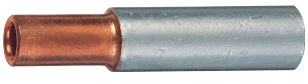
- sm/se-conductor needs to be pre-rounded!
- rm = round stranded
- sm = sector stranded
- se = sector solid

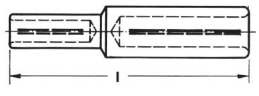
Cross section mm² rm/sm	se	Size of bolt Ø	Part No.	Code	Dimensions mm d1	d2	b	l	Number of crimps mech.	hydr.	Weight 100 pcs. ~ kg Cu	Total	pcs.
10	--	M 6	**302R6**	10	5.0	6.5	18	52	4	2	0.260	1.20	10
	--	M 8	**302R8**	10	5.0	8.5	22	52	4	2	0.580	1.50	10
16	25	M 8	**303R8**	12	5.8	8.5	22	52	4	2	0.600	1.95	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

Compression cable lugs, Al/Cu 10 - 400 mm²

Cross section mm² rm/sm	se	Size of bolt Ø	Part No.	Code	Dimensions mm d1	d2	b	l	Number of crimps mech.	hydr.	Weight 100 pcs. ~ kg Cu	Total	pcs.
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

▶ Tool: see chart page 121





Al/Cu

Compression joints, Al/Cu 10 - 300 mm²

For connecting non-tension aluminium and copper connections

Characteristics

- For non-tension connections of Al cables to DIN 48201, part 1 and aluminium cables to DIN EN 50182 and Cu cables to DIN 48201
- With markings for correct crimping

Material

- E-Al
- Copper to EN 13600

Surface

- bright

Order info

- sm/se-conductor needs to be pre-rounded!
- rm = round stranded
- sm = sector stranded
- se = sector solid

Nominal cross-section mm² Al rm/sm	Al se	Cu rm/sm	Part No.	Code Al	Cu	Dimensions mm Al	Cu	l	Weight 100 pcs. ~ kg Cu	Total	pcs.
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

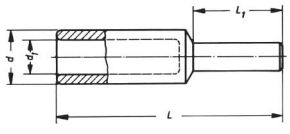
Compression joints, Al/Cu 10 - 300 mm²

Nominal cross-section mm² Al rm/sm	Al se	Cu rm/sm	Part No.	Code Al	Code Cu	Dimensions mm Al	Dimensions mm Cu	Dimensions mm l	Weight 100 pcs. ~ kg Cu	Weight 100 pcs. ~ kg Total	pcs.
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
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	5
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

Compression joints, Al/Cu 10 - 300 mm²

Nominal cross-section mm² Al rm/sm	Al se	Cu rm/sm	Part No.	Code Al	Code Cu	Dimensions mm Al	Dimensions mm Cu	Dimensions mm l	Weight 100 pcs. ~ kg Cu	Weight 100 pcs. ~ kg Total	pcs.
300	--	120	**333R120**	34	20	23.5	15.5	119.0	5.640	27.800	1
300	--	150	**333R150**	34	22	23.5	17.0	124.0	8.234	31.100	1
300	--	185	**333R185**	34	25	23.5	19.0	127.0	9.621	32.700	1
300	--	240	**333R240**	34	28	23.5	21.5	128.0	12.705	37.500	1
300	--	300	**333R300**	34	32	23.5	24.5	134.0	16.099	41.700	1

▶ Tool: see chart page 121



Al/Cu

Compression joints with copper connecting bolt Al 25 - 300 mm²

- **For screwing non-tension Al connections in Cu clamps**
- **For non-tension connections of Al cables to DIN 48201, part 1 and aluminium cables to DIN EN 50182**
- **For pre-rounded sector shaped conductors**

Characteristics

- With markings for correct crimping

Material

- E-Al
- Copper to EN 13600

Surface

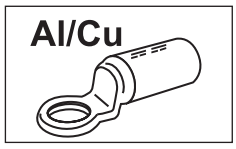
- bright

Order info

- sm/se-conductor needs to be pre-rounded!
- rm = round stranded
- sm = sector stranded
- se = sector solid

Cross section mm² rm/sm	se	Part No.	Code	Bolt Ø mm	Conductor Ø mm	Dimensions mm dØ	d1Ø	l1	l	Weight 100 pcs. ~ kg Cu	Total	pcs.
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

▶ Tool: see chart page 121



Tool application chart

Compression cable lugs and connectors made from Al/Cu

Crimping range corresponds to nominal cross-section mm²	Crimping tools		Tool type							
	Tools	Crimping head/ adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crimping systems	Hydraulic crimping heads	Crimping profile	Page (Tool)
10-70	EK354					•			⬡	324
10-185	K18			•					⬡	274
	HK6018				•				⬡	294
	EK18PLUS					•			⬡	326
	PK18							•	⬡	387
	THK18						•		⬡	358
	HK60UNV	+ UA18			•				⬡	309
	EK60UNV	+ UA18				•			⬡	347
	PK60UNV	+ UA18						•	⬡	405
10-240	K22			•					⬡	276
	HK6022				•				⬡	296
	EK22PLUS					•			⬡	328
	PK22							•	⬡	389
	THK22						•		⬡	360
	HK60UNV	+ UA22			•				⬡	309
	EK60UNV	+ UA22				•			⬡	347
	PK60UNV	+ UA22						•	⬡	405
	HK12025				•				⬡	300
	HK12042				•				⬡	302
	HK120U				•				⬡	304
	EK12025					•			⬡	332
	EK12042					•			⬡	334
	EK120UPLUS					•			⬡	336
	HK122						•		⬡	362
	HK122EL220						•		⬡	367
	HK122EL380						•		⬡	367
	PK12038							•	⬡	393
	PK120U							•	⬡	395
10-500	HK252						•		⬡	364
	HK252EL220						•		⬡	369
	HK252EL380						•		⬡	369
	PK252							•	⬡	397
150-500	HK45				•				⬡	366
	PK45							•	⬡	399