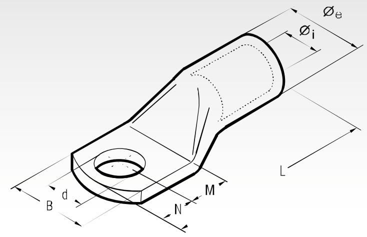
HR

COPPER TUBE CRIMPING LUGS

for Copper conductors



HR series lugs are manufactured from electrolytic Copper tube and designed to obtain high electrical conductivity combined with the mechanical strength required to resist vibration and pull out.

Cembre lugs are annealed and Tin plated for improved surface protection.

The annealing process optimises the structural features of the material allowing easier crimping and greater resistance to mechanical stresses.

The barrel entrance of the lug is chamfered to allow easy conductor insertion, while its length facilitates precise positioning in the crimping die.

Each lug is marked with:

- Cembre logo and part code.
- conductor type and csa (mm²).
- stud Ø (mm).
- crimping die code

Details of the appropriate crimping tools and dies are shown on page 238.

Consult us for special requirements

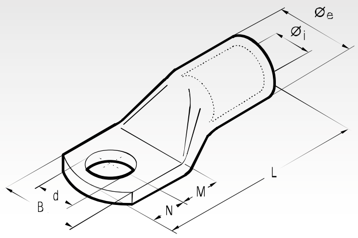
Conductor Size sqmm	Ø Stud mm	Type	Dimensions mm Øi	Øe	B	M	N	L	d	Quantity Box/Bag
10	6	**HR10-6**	4,5	7,0	12,0	7,5	7,5	30,5	6,4	800/100
	8	**HR10-8**	4,5	7,0	15,0	10,0	10,0	35,5	8,4	800/100
	10	**HR10-10**	4,5	7,0	18,0	12,0	12,0	39,5	10,5	800/100
	12	**HR10-12**	4,5	7,0	19,0	13,0	13,0	41,5	13,2	800/100
16	5	**HR16-5**	5,5	8,5	12,0	6,5	6,0	30,5	5,3	400/100
	6	**HR16-6**	5,5	8,5	12,0	7,5	7,5	33,0	6,4	400/100
	8	**HR16-8**	5,5	8,5	15,0	10,0	10,0	38,0	8,4	400/100
	10	**HR16-10**	5,5	8,5	18,0	12,0	12,0	42,0	10,5	400/100
	12	**HR16-12**	5,5	8,5	20,0	13,0	13,0	44,0	13,2	400/100
25	6	**HR25-6**	7,0	10,0	14,0	7,5	7,5	35,0	6,4	400/100
	8	**HR25-8**	7,0	10,0	15,0	10,0	10,0	40,0	8,4	400/100
	10	**HR25-10**	7,0	10,0	18,0	12,0	12,0	44,0	10,5	400/100
	12	**HR25-12**	7,0	10,0	20,0	13,0	13,0	46,0	13,2	400/100
	14	**HR25-14**	7,0	10,0	21,0	14,0	14,0	48,0	15,0	400/100
35	6	**HR35-6**	8,5	12,0	17,0	7,5	7,5	38,5	6,4	200/50
	8	**HR35-8**	8,5	12,0	17,0	10,0	10,0	43,5	8,4	200/50
	10	**HR35-10**	8,5	12,0	18,0	12,0	12,0	47,5	10,5	200/50
	12	**HR35-12**	8,5	12,0	21,0	13,0	13,0	49,5	13,2	200/50
	14	**HR35-14**	8,5	12,0	21,0	14,0	14,0	51,5	15,0	200/50
	16	**HR35-16**	8,5	12,0	26,0	16,0	16,0	57,5	17,0	200/50
50	6	**HR50-6**	10,0	14,0	20,0	10,0	10,0	47,5	6,4	200/50
	8	**HR50-8**	10,0	14,0	20,0	10,0	10,0	47,5	8,4	200/50
	10	**HR50-10**	10,0	14,0	20,0	12,0	12,0	51,5	10,5	200/50
	12	**HR50-12**	10,0	14,0	21,0	13,0	13,0	53,5	13,2	200/50
	14	**HR50-14**	10,0	14,0	21,0	14,0	14,0	55,5	15,0	200/50
	16	**HR50-16**	10,0	14,0	26,0	18,0	16,0	61,5	17,0	100/50
70	6	**HR70-6**	12,0	16,5	24,0	10,0	10,0	53,0	6,4	100/25
	8	**HR70-8**	12,0	16,5	24,0	10,0	10,0	53,0	8,4	100/25
	10	**HR70-10**	12,0	16,5	24,0	12,0	12,0	57,0	10,5	80/20
	12	**HR70-12**	12,0	16,5	24,0	13,0	13,0	59,0	13,2	80/20
	14	**HR70-14**	12,0	16,5	24,0	14,0	14,0	61,0	15,0	80/20
	16	**HR70-16**	12,0	16,5	30,0	18,0	16,0	67,0	17,0	60/15
95	8	**HR95-8**	13,5	18,0	26,0	10,0	10,0	57,0	8,4	100/25
	10	**HR95-10**	13,5	18,0	26,0	12,0	12,0	61,0	10,5	100/25
	12	**HR95-12**	13,5	18,0	26,0	13,0	13,0	63,0	13,2	100/25
	14	**HR95-14**	13,5	18,0	26,0	14,0	14,0	65,0	15,0	100/25
	16	**HR95-16**	13,5	18,0	30,0	18,0	16,0	71,0	17,0	100/25
	20	**HR95-20**	13,5	18,0	36,0	22,0	21,0	80,0	21,0	100/25
120	8	**HR120-8**	15,0	19,5	29,0	14,0	14,0	67,5	8,4	100/25
	10	**HR120-10**	15,0	19,5	29,0	14,0	14,0	67,5	10,5	100/25
	12	**HR120-12**	15,0	19,5	29,0	14,0	14,0	67,5	13,2	100/25
	14	**HR120-14**	15,0	19,5	29,0	15,0	15,0	69,5	15,0	100/25
	16	**HR120-16**	15,0	19,5	31,0	18,0	16,0	73,5	17,0	100/25
	20	**HR120-20**	15,0	19,5	36,0	22,0	21,0	82,5	21,0	50/25
150	8	**HR150-8**	16,5	21,0	31,0	14,0	14,0	72,5	8,4	40/10
	10	**HR150-10**	16,5	21,0	31,0	14,0	14,0	72,5	10,5	40/10
	12	**HR150-12**	16,5	21,0	31,0	14,0	14,0	72,5	13,2	40/10
	14	**HR150-14**	16,5	21,0	31,0	15,0	15,0	74,5	15,0	40/10
	16	**HR150-16**	16,5	21,0	31,0	18,0	16,0	78,5	17,0	40/10
	20	**HR150-20**	16,5	21,0	36,0	22,0	21,0	87,5	21,0	60/15

Mechanical Tools	Hydraulic Tools
HN1	B15MD
HN5	HT45-E B450ND-BV
HN-H25	HT51 RH50 B500 B500ND HT81-U RHU81
TNH6-70	HT120 and tools and heads with 130 kN crimping force
TNH10-120	ECW-H3D

COPPER TUBE CRIMPING LUGS

HR

for Copper conductors



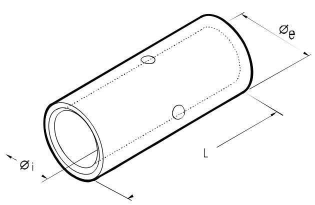
Cu
FUNNEL ENTRY
ANNEALED
3µm TIN PLATED
-50°C +150°C
HEXAGONAL
"W"

Conductor Size sqmm	Ø Stud mm	Type	Dimensions mm Øi	Øe	B	M	N	L	d	Quantity *Box/Bag*	Hydraulic Tools: HT51	RH50 B500 B500ND	HT81-U RHU81	HT120 and tools and heads with 130 kN crimping force	ECW-H3D
185	10	**HR185-10**	19,0	24,0	35,0	18,0	16,0	84,5	10,5	*40/10*					
	12	**HR185-12**	19,0	24,0	35,0	18,0	16,0	84,5	13,2	*40/10*					
	14	**HR185-14**	19,0	24,0	35,0	18,0	16,0	84,5	15,0	*40/10*					
	16	**HR185-16**	19,0	24,0	35,0	18,0	16,0	84,5	17,0	*40/10*					
	20	**HR185-20**	19,0	24,0	37,0	22,0	21,0	93,5	21,0	*40/10*					
240	10	**HR240-10**	21,0	26,0	39,0	18,0	16,0	90,5	10,5	*40/10*					
	12	**HR240-12**	21,0	26,0	39,0	18,0	16,0	90,5	13,5	*40/10*					
	14	**HR240-14**	21,0	26,0	39,0	18,0	16,0	90,5	15,0	*40/10*					
	16	**HR240-16**	21,0	26,0	39,0	22,0	21,0	99,5	17,0	*40/10*					
	20	**HR240-20**	21,0	26,0	39,0	22,0	21,0	99,5	21,0	*40/10*					
300	12	**HR300-12**	23,5	29,5	44,0	18,0	16,0	99,5	13,5	*10/5*					
	16	**HR300-16**	23,5	29,5	44,0	22,0	21,0	108,5	17,0	*10/5*					

CRIMPING THROUGH CONNECTORS

HSV

for Copper conductors



Cu
FUNNEL ENTRY
ANNEALED
3µm TIN PLATED
-50°C +150°C
HEXAGONAL
"W"

Conductor Size sqmm	Type	Dimensions mm Øi	Øe	L	Quantity *Box/Bag*	Mechanical Tools: HN1	HN-5	HN-H25	TNH6-70	TNH10-120	Hydraulic Tools: B15MD	HT45-E B450ND-BV	HT51	RH50 B500 B500ND	HT81-U RHU81	HT131-C und alle 13 Tonnen Werkzeuge	ECW-H3D
10	**HSV10**	4,5	7,0	30	*1200/100*												
16	**HSV16**	5,5	8,5	35	*800/100*												
25	**HSV25**	7,0	10,0	40	*400/100*												
35	**HSV35**	8,5	12,0	45	*200/50*												
50	**HSV50**	10,0	14,0	50	*200/50*												
70	**HSV70**	12,0	16,5	55	*160/40*												
95	**HSV95**	13,5	18,0	60	*80/10*												
120	**HSV120**	15,0	19,5	65	*80/10*												
150	**HSV150**	16,5	21,0	70	*80/10*												
185	**HSV185**	19,0	24,0	75	*40/20*												
240	**HSV240**	21,0	26,0	85	*40/20*												
300	**HSV300**	23,5	29,5	100	*20/10*												

HSV series through connectors are manufactured from electrolytic Copper tube, annealed and surface protected by tin plating.
Internal and external dimensions match those of HR series lugs.
Chamfered ends and a central stop provide easy and correct insertion of the conductor.
Details of the appropriate crimping tools and dies are shown on page 238.

Consult us for special requirements