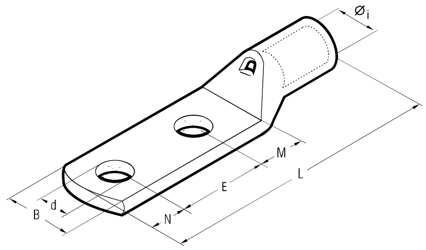
COPPER TUBE CRIMPING LUGS

A-2M

double hole fixing - for Copper conductors



Conductor Size sqmm	Ø Stud mm	Type	Øi	B	M	N	E	L	d	Quantity Box/Bag
10	4	A2-2M4-12	4,6	10,0	5,0	4,0	12,0	36,5	4,3	100
	8	A2-2M8-20	4,6	15,0	11,0	11,0	20,0	57,5	8,4	100
16	8	A3-2M8-20	5,8	15,0	11,0	11,0	20,0	62,0	8,4	50
	12	A3-2M12-40	5,8	20,0	14,0	12,0	40,0	82,5	13,2	200/50
25	8	A5-2M8-20	7,0	15,0	9,0	11,0	20,0	59,0	8,4	400/100
	8	A5-2M8-24-24	7,0	15,0	24,0	11,0	24,0	78,0	8,4	300/100
	10	A5-2M10-24-13	7,0	18,0	13,0	11,0	24,0	67,0	10,5	300/100
35	10	A7-2M10	8,9	19,0	11,0	10,0	44,5	87,0	10,5	100/50
	10	A7-2M10-25	8,9	19,0	12,0	11,0	25,0	69,5	10,5	100
	12	A7-2M12	8,9	21,0	16,0	14,0	44,5	96,0	13,2	200/100
	12	A7-2M12-25	8,9	21,0	16,0	14,0	25,0	76,5	13,2	50
	12	A7-2M12-40	8,9	21,0	16,0	14,0	40,0	91,5	13,2	150/50
50	6	A10-2M6	10,0	19,0	8,0	11,0	44,5	89,0	6,4	50
	8	A10-2M8	10,0	19,0	11,0	11,0	44,5	92,0	8,4	100/50
	8	A10-2M8-20	10,0	19,0	11,0	11,0	20,0	67,5	8,4	100/50
	8	A10-2M8-22	10,0	19,0	11,0	11,0	22,0	69,5	8,4	150/50
	8	A10-2M8-30	10,0	19,0	11,0	11,0	30,0	77,5	8,4	150/50
	8	A10-2M8-24-24	10,0	19,0	24,0	11,0	24,0	84,5	8,4	150/50
	10	A10-2M10	10,0	20,0	13,0	11,0	44,5	94,0	10,5	100/50
	10	A10-2M10-24-13	10,0	19,0	13,0	11,0	24,0	73,5	10,5	150/50
	12	A10-2M12	10,0	21,0	16,0	14,0	44,5	100	13,2	100/50
	12	A10-2M12-25	10,0	21,0	16,0	14,0	25,0	80,5	13,2	50
70	8	A14-2M8	11,3	21,0	11,0	11,0	44,5	95,5	8,4	50
	8	A14-2M8-24-24	11,3	21,0	24,0	11,0	24,0	88,0	8,4	100/50
	10	A14-2M10	11,3	21,0	13,0	11,0	44,5	97,5	10,5	100/50
	10	A14-2M10-24	11,3	21,0	13,0	11,0	24,0	77,0	10,5	100/50
	12	A14-2M12	11,3	22,0	16,0	14,0	44,5	103,5	13,2	100/50
	12	A14-2M12-25	11,3	22,0	16,0	14,0	25,0	84,0	13,2	100/50
	12	A14-2M12-30-29	11,3	22,0	29,0	14,0	30,0	102,0	13,2	100/50
	12	A14-2M12-40	11,3	22,0	16,0	14,0	40,0	99,0	13,2	100/50
	14	A14-2M14	11,3	25,0	18,0	16,0	44,5	107,5	15,0	100/50
95	6	A19-2M6	13,5	25,0	10,0	11,0	44,5	101,0	6,4	25
	8	A19-2M8-50 S	13,5	25,0	15,0	15,0	50,0	115,5	8,4	75/25
	10	A19-2M10	13,5	25,0	13,0	11,0	44,5	104,0	10,5	50/25
	10	A19-2M10-24-13	13,5	25,0	13,0	11,0	24,0	83,5	10,5	75/25
	10	A19-2M10-24-26	13,5	25,0	26,0	11,0	24,0	96,5	10,5	50/25
	10	A19-2M10-40	13,5	25,0	13,0	11,0	40,0	99,5	10,5	75/25
	12	A19-2M12	13,5	25,0	16,0	14,0	44,5	110,0	13,2	75/25
	12	A19-2M12-25	13,5	25,0	16,0	14,0	25,0	90,5	13,2	25
	12	A19-2M12-30-29	13,5	25,0	29,0	14,0	30,0	108,5	13,2	50/25
	14	A19-2M14	13,5	25,0	18,0	16,0	44,5	114,0	15,0	100/25
	14	A19-2M14-25	13,5	25,0	18,0	16,0	25,0	94,5	15,0	25
	16	A19-2M16	13,5	25,0	19,0	17,0	44,5	116,0	17,0	50/25
120	8	A24-2M8-20	15,2	28,5	11,0	11,0	20,0	79,0	8,4	25
	8	A24-2M8-24-29	15,2	28,5	29,0	11,0	24,0	101,0	8,4	50/25
	10	A24-2M10	15,2	28,5	13,0	11,0	44,5	105,5	10,5	50/25
	10	A24-2M10-22	15,2	28,5	13,0	11,0	22,0	83,0	10,5	50/25
	10	A24-2M10-25/24	15,2	24,0	13,0	11,0	25,0	86,0	10,5	50/25
	10	A24-2M10-33.5	15,2	28,5	13,0	11,0	33,5	94,5	10,5	50/25
	10	A24L-2M10-30AS	15,2	28,5	13,0	11,0	30,0	91,0	10,5	25
	12	A24-2M12	15,2	28,5	16,0	14,0	44,5	113,0	13,2	50/25
	12	A24-2M12-30-29	15,2	28,5	29,0	14,0	30,0	110,0	13,2	50/25
	12	A24-2M12-40	15,2	28,5	16,0	14,0	40,0	107,0	13,2	50/25
	14	A24-2M14	15,2	28,5	18,0	16,0	44,5	115,5	15,0	50/25
	16	A24-2M16	15,2	28,5	19,0	17,0	44,5	117,5	17,0	50/25

Dimensions mm

Mechanical Tools: HN1, HN5, HN-A25, TN70SE, TN120SE

Hydraulic Tools: B15MD, HT45-E B450ND-BV, HT51 RH50 B500 B500ND, RH60C HT60C B600C B600CND, HT81-UD RHU81-D, HT120 and tools and heads with 130 kN crimping force, ECW-H3D, RHU520

Cu, FUNNEL ENTRY, ANNEALED, 3µm TIN PLATED, -50°C +150°C, HEXAGONAL, INDENT

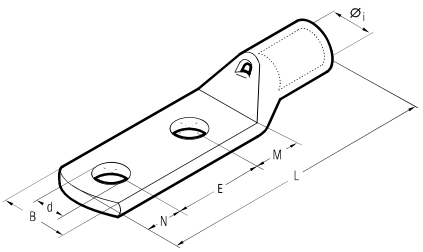
A-2M series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%.
The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.
The double hole fixing ensures greater mechanical stability even in the presence of electrodynamic stresses.
CEMBRE lugs are annealed to guarantee optimum ductility, an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.
In applications subject to vibration, terminals still have to perform a reliable connection, annealing plays a vital role in avoiding cracking or breaks between the barrel and palm.
The presence of an inspection hole facilitates full insertion of the conductor, whilst the barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.
Lugs are electrolytically tinplated to avoid oxidation.
A-2M series lugs form an important part of CEMBRE crimping systems for power carrying conductors, details of the appropriate crimping tools and dies are shown opposite and in detail on page 348 to 349, whilst our technicians are always available to provide any technical advice which may be required.
The enclosed table is only indicative of the range and many variations in stud fixing and palm lengths are also available.

CEMBRE

A-2M

COPPER TUBE CRIMPING LUGS

double hole fixing - for Copper conductors



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Cu · FUNNEL ENTRY · ANNEALED · 3µm TIN PLATED · -50°C +150°C · HEXAGONAL · INDENT

Conductor Size sqmm	Ø Stud mm	Type	Dimensions mm							Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Øi	B	M	N	E	L	d			
150	8	A30-2M8-20	16,7	31,5	13,0	11,0	20,0	89,0	8,4	50/25	TN120SE*	HT51 · RH50 · B500 · B500ND · RH60C · HT60C · B600C · B600CND · HT81-UD · RHU81-D · HT120 and tools and heads with 130 kN crimping force · ECW-H3D · RHU520
	10	A30-2M10	16,7	31,5	13,0	11,0	44,5	113,5	10,5	50/25		
	10	A30-2M10-24-28	16,7	31,5	28,0	11,0	24,0	108,0	10,5	50/25		
	12	A30-2M12	16,7	31,5	16,0	14,0	44,5	119,5	13,2	50/25		
	12	A30-2M12-30	16,7	31,5	16,0	14,0	30,0	105,0	13,2	50/25		
	12	A30-2M12-30-29	16,7	31,5	29,0	14,0	30,0	118,0	13,2	30/15		
	12	A30-2M12-40	16,7	31,5	16,0	14,0	40,0	115,0	13,2	30/15		
	14	A30-2M14	16,7	31,5	18,0	16,0	44,5	123,5	15,0	50/25		
	14	A30-2M14-33.5	16,7	31,5	18,0	16,0	33,5	112,5	15,0	50/25		
185	10	A37-2M10	19,2	35,5	13,0	11,0	44,5	120,5	10,5	30/15		
	10	A37-2M10-25	19,2	35,5	13,0	11,0	25,0	101,0	10,5	30/15		
	12	A37-2M12	19,2	35,5	16,0	14,0	44,5	126,5	13,2	30/15		
	12	A37-2M12-32	19,2	35,5	16,0	14,0	32,0	114,0	13,2	30/15		
	12	A37-2M12-30-31	19,2	35,5	31,0	14,0	30,0	127,0	13,2	30/15		
	14	A37-2M14	19,2	35,5	18,0	16,0	44,5	130,5	15,0	30/15		
	14	A37-2M14-35	19,2	35,5	18,0	16,0	35,0	121,0	15,0	30/15		
	16	A37-2M16	19,2	35,5	19,0	17,0	44,5	132,5	17,0	30/15		
	16	A37-2M16-40	19,2	35,5	19,0	17,0	40,0	128,0	17,0	30/15		
240	10	A48-2M10	21,1	39,0	13,0	11,0	44,5	126,5	10,5	30/15		
	10	A48-2M10-20	21,1	39,0	13,0	11,0	20,0	102,0	10,5	30/15		
	10	A48-2M10-35	21,1	39,0	13,0	11,0	35,0	117,0	10,5	30/15		
	12	A48-2M12	21,1	39,0	16,0	14,0	44,5	132,5	13,2	30/15		
	12	A48-2M12-35	21,1	39,0	16,0	14,0	35,0	123,0	13,2	30/15		
	12	A48-2M12-40	21,1	39,0	16,0	14,0	40,0	128,0	13,2	30/15		
	12	A48-2M12-30-31	21,1	39,0	31,0	14,0	30,0	133,0	13,2	20/10		
	14	A48-2M14	21,1	39,0	18,0	16,0	44,5	136,5	15,0	30/15		
	14	A48-2M14-40	21,1	39,0	18,0	16,0	40,0	132,0	15,0	30/15		
	16	A48-2M16	21,1	39,0	19,0	17,0	44,5	138,5	17,0	30/15		
300	10	A60-2M10	23,7	44,0	13,0	11,0	44,5	133,5	10,5	20/5		
	12	A60-2M12	23,7	44,0	20,0	14,0	44,5	143,5	13,2	20/5		
	12	A60-2M12-40	23,7	44,0	20,0	14,0	40,0	139,0	13,2	20/5		
	12	A60-2M12-30-38	23,7	44,0	38,0	14,0	30,0	147,0	13,2	20/5		
	14	A60-2M14	23,7	44,0	22,0	16,0	44,5	147,5	15,0	20/5		
	16	A60-2M16-40	23,7	44,0	22,0	17,0	40,0	144,0	17,0	20/5		
	16	A60-2M16	23,7	44,0	22,0	17,0	44,5	148,5	17,0	20/5		
	16	A60-2M16-35	23,7	44,0	22,0	17,0	35,0	139,0	17,0	20/5		
	16	A60-2M16/36	23,7	36,0	22,0	17,0	44,5	148,5	17,0	20/5		
400	12	A80-2M12	27,0	51,0	22,0	14,0	44,5	152,5	13,2	15/5		
	14	A80-2M14	27,0	51,0	22,0	16,0	44,5	154,5	15,0	15/5		
	14	A80-2M14-40	27,0	51,0	22,0	16,0	40,0	150,0	15,0	15/5		
	16	A80-2M16	27,0	51,0	22,0	19,0	44,5	157,5	17,0	15/5		
	16	A80-2M16-40	27,0	51,0	22,0	19,0	40,0	153,0	17,0	15/5		
	16	A80-2M16/41	27,0	41,0	22,0	19,0	44,5	157,5	17,0	15/5		
	16	A80-2M16-50	27,0	51,0	22,0	19,0	50,0	163,0	17,0	5		
500	12	A100-2M12	30,3	56,5	20,0	14,0	44,5	152,0	13,2	10/1		
	14	A100-2M14-40	30,3	56,5	17,0	16,0	40,0	149,0	15,0	1		
	14	A100-2M14	30,3	56,5	17,0	16,0	44,5	153,5	15,0	10/1		
	16	A100-2M16	30,3	56,5	19,0	19,0	44,5	158,5	17,0	10/5		
630	12	A120-2M12♦	33,4	61,6	22,0	14,0	44,5	167,5	13,2	20/5		
	16	A120-2M16♦	33,4	61,6	22,0	19,0	44,5	172,5	17,0	8/1		
800	12	A160-2M12♦	38,0	72,0	20,0	14,0	44,5	176,5	13,2	9/3		
	16	A160-2M16♦	38,0	72,0	22,0	19,0	44,5	183,5	17,0	9/3		

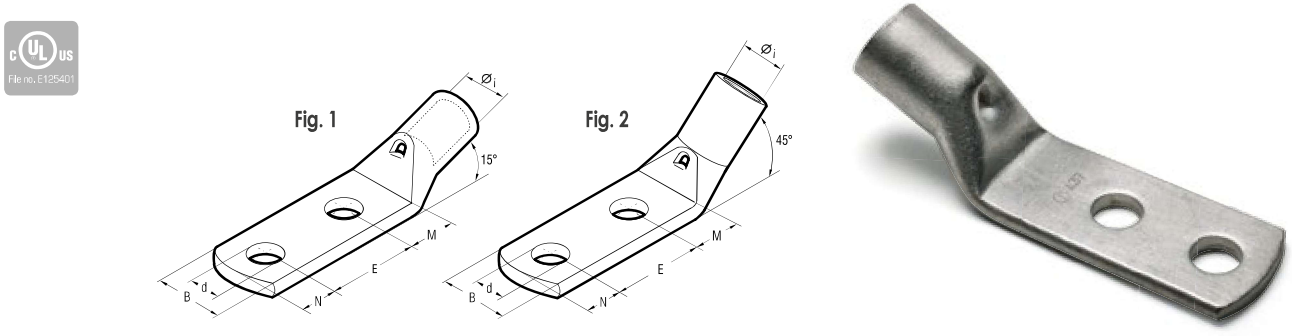
*See page 187

♦Not UL approved

COPPER TUBE CRIMPING LUGS ANGLED 315° and 345°

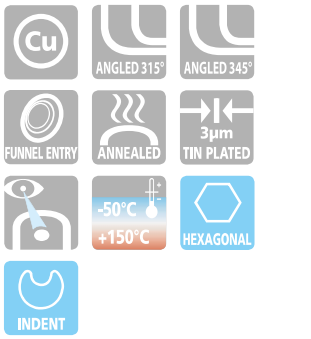
A-2M

double hole fixing - for Copper conductors



Conductor Size sqmm	Ø Stud mm	Type	Fig. N.	Dimensions mm						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools																
				Øi	B	M	N	E	d		HN-A25	TN70SE	TN120SE*	B450ND-BV	HT45-E	HT51	RH50 B500 B500ND	RH60C HT60C B600C B600CND	HT81-UD RHU81-D	HT120 and tools and heads with 130 kN crimping force	ECW-H3D	RHU520						
25	8	A5-2M8-24-24/345	1	7,0	15,0	24,0	11,0	24,0	8,4	300/100																		
	12	A5-2M12-3029/345	1	7,0	21,0	29,0	14,0	30,0	13,2	200/100																		
50	8	A10-2M8-2424/345	1	10,0	19,0	24,0	11,0	24,0	8,4	150/50																		
70	8	A14-2M8-2424/345	1	11,3	21,0	24,0	11,0	24,0	8,4	100/50																		
	10	A14-2M102426/315	2	11,3	21,0	26,0	11,0	24,0	10,5	100/50																		
	10	A14-2M102426/345	1	11,3	21,0	26,0	11,0	24,0	10,5	100/50																		
	12	A14-2M123029/345	1	11,3	22,0	29,0	14,0	30,0	13,2	100/50																		
95	8	A19-2M8-2424/345	1	13,5	25,0	24,0	11,0	24,0	8,4	75/25																		
	10	A19-2M102426/345	1	13,5	25,0	26,0	11,0	24,0	10,5	25																		
	12	A19-2M123029/345	1	13,5	25,0	29,0	14,0	30,0	13,2	75/25																		
120	8	A24-2M8-2429/345	1	15,2	28,5	29,0	11,0	24,0	8,4	50/25																		
	10	A24-2M102429/345	1	15,2	28,5	29,0	11,0	24,0	10,5	50/25																		
	12	A24-2M123029/345	1	15,2	28,5	29,0	14,0	30,0	13,2	50/25																		
150	8	A30-2M8-2429/345	1	16,7	31,5	29,0	11,0	24,0	8,4	30/15																		
	10	A30-2M102428/345	1	16,7	31,5	28,0	11,0	24,0	10,5	50/25																		
	12	A30-2M123029/345	1	16,7	31,5	29,0	14,0	30,0	13,2	40/20																		
185	10	A37-2M10-25/315	2	19,2	35,5	13,0	11,0	25,0	10,5	15																		
	12	A37-2M123031/345	1	19,2	35,5	31,0	14,0	30,0	13,2	30/15																		
240	12	A48-2M12/345	1	21,1	39,0	16,0	14,0	44,5	13,2	20/10																		
	12	A48-2M12-30/45	1	21,1	39,0	16,0	14,0	30,0	13,2	20/10																		
	12	A48-2M123031/345	1	21,1	39,0	31,0	14,0	30,0	13,2	20/10																		
300	12	A60-2M123038/345	1	23,7	44,0	38,0	14,0	30,0	13,2	20/10																		

*See page 187



A-2M series lugs angled 315° and 345° are manufactured from electrolytic copper tube with a purity greater than 99.9%.
The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.
The double hole fixing ensures greater mechanical stability even in the presence of electrodynamic stresses.
CEMBRE lugs are annealed to guarantee optimum ductility, an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.
In applications subject to vibration, terminals still have to perform a reliable connection, annealing plays a vital role in avoiding cracking or breaks between the barrel and palm.
The presence of an inspection hole facilitates full insertion of the conductor, whilst the barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.
Lugs are electrolytically tinplated to avoid oxidation.
Details of the appropriate crimping tools and dies are shown on pages 348 to 349.

CEMBRE