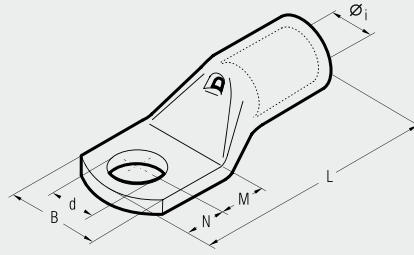


# A-M



## COPPER TUBE CRIMPING LUGS

for copper conductors



File no. E125401

A-M series lugs are manufactured from electrolytic copper tube.

The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

Cembre lugs are annealed to guarantee optimum ductility which is 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, lugs still have to provide a reliable connection and 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 tinned to avoid oxidation. A-M 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 pages 186 to 187.

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.

Cond. Size sqmm	Ø Stud mm	Ref.	Dimensions mm						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools		
			Øi	B	M	N	L	d					
0,25÷1,5	3	A 03-M 3	1,8	6,0	4,5	3,5	16,0	3,2	5.000/100	HN1	B 150		
	3,5	A 03-M 3,5	1,8	6,5	4,5	3,5	16,0	3,7	5.000/100				
	4	A 03-M 4	1,8	6,5	5,0	4,0	17,0	4,3	5.000/100				
	5	A 03-M 5	1,8	7,5	5,5	4,5	18,0	5,3	5.000/100				
	6	A 03-M 6	1,8	9,0	6,0	5,0	19,0	6,4	5.000/100				
1,5÷2,5	3	A 06-M 3	2,4	6,0	4,5	3,5	17,0	3,2	4.000/100	HN1	B 150		
	3,5	A 06-M 3,5	2,4	6,5	4,5	3,5	17,0	3,7	4.000/100				
	4	A 06-M 4	2,4	7,5	5,0	4,0	18,0	4,3	4.000/100				
	5	A 06-M 5	2,4	8,5	5,5	4,5	19,0	5,3	4.000/100				
	6	A 06-M 6	2,4	9,0	6,0	5,0	20,0	6,4	4.000/100				
4÷6	8	A 06-M 8	2,4	12,0	9,0	8,0	26,0	8,4	2.500/100	HN1	B 150		
	3	A 1-M 3	3,6	7,5	4,5	3,5	20,5	3,2	2.000/100				
	3,5	A 1-M 3,5	3,6	7,5	4,5	3,5	20,5	3,7	2.000/100				
	4	A 1-M 4	3,6	8,0	5,0	4,0	21,5	4,3	2.000/100				
	5	A 1-M 5	3,6	9,0	6,5	6,0	25,0	5,3	2.000/100				
10	6	A 1-M 6	3,6	11,0	7,0	6,0	25,5	6,4	2.000/100	HN5	B 150		
	8	A 1-M 8	3,6	14,0	9,0	8,0	29,5	8,4	1.500/100				
	10	A 1-M 10	3,6	16,5	11,0	10,0	33,5	10,5	1.000/100				
	4	A 2-M 4	4,6	10,0	5,0	4,0	22,5	4,3	1.500/100			HN5	B 150
	5	A 2-M 5	4,6	10,0	6,5	6,0	26,0	5,3	1.500/100				
6	A 2-M 6	4,6	11,0	7,0	6,0	26,5	6,4	1.500/100					
8	A 2-M 8	4,6	15,0	9,0	8,0	30,5	8,4	1.000/100					
10	A 2-M 10	4,6	18,0	11,0	10,0	34,5	10,5	1.000/100					
16	12	A 2-M 12	4,6	19,0	14,0	12,0	39,5	13,2	500/100	HN5	B 150		
	4	A 3-M 4	5,8	11,5	5,0	4,0	25,5	4,3	1.000/100			HN5	B 150
	5	A 3-M 5	5,8	11,5	6,5	6,0	29,0	5,3	1.000/100				
	6	A 3-M 6	5,8	11,5	7,0	6,0	29,5	6,4	1.000/100				
	8	A 3-M 8	5,8	15,0	9,0	8,0	33,5	8,4	500/100				
10	A 3-M 10	5,8	18,0	11,0	10,0	37,5	10,5	500/100					
25	12	A 3-M 12	5,8	20,0	14,0	12,0	42,5	13,2	500/100	HN5	B 150		
	4	A 5-M 4	7,0	14,0	5,0	4,0	28,0	4,3	1.000/100			TN 70 SE	B 35-45D B 35-50D HT 45-E
	5	A 5-M 5	7,0	14,0	6,5	6,0	31,5	5,3	500/100				
	6	A 5-M 6	7,0	14,0	7,0	6,0	32,0	6,4	500/100				
	8	A 5-M 8	7,0	15,0	9,0	8,0	36,0	8,4	500/100				
10	A 5-M 10	7,0	18,0	11,0	10,0	40,0	10,5	500/100					
35	12	A 5-M 12	7,0	21,0	14,0	12,0	45,0	13,2	500/100	TN 120 SE	HT 51 RH 50 B 51 B 55 HT 81-U RHU 81 HT 120 and tools and heads with 130 kN crimping force ECW-H3D RHU 920		
	5	A 7-M 5	8,9	17,0	6,5	6,0	34,0	5,3	500/100				
	6	A 7-M 6	8,9	17,0	7,0	6,0	34,5	6,4	500/100				
	8	A 7-M 8	8,9	17,0	9,0	8,0	38,5	8,4	400/100				
	10	A 7-M 10	8,9	19,0	11,0	10,0	42,5	10,5	400/100				
50	12	A 7-M 12	8,9	21,0	14,0	12,0	47,5	13,2	300/50	TN 120 SE	HT 51 RH 50 B 51 B 55 HT 81-U RHU 81 HT 120 and tools and heads with 130 kN crimping force ECW-H3D RHU 920		
	6	A 10-M 6	10,0	19,0	8,0	7,0	38,5	6,4	200/50				
	8	A 10-M 8	10,0	19,0	9,0	8,0	40,5	8,4	200/50				
	10	A 10-M 10	10,0	20,0	11,5	9,5	44,5	10,5	200/50				
	12	A 10-M 12	10,0	21,0	12,0	12,0	47,5	13,2	200/50				
70	14	A 10-M 14	10,0	25,0	16,0	14,0	55,5	15,0	200/50	TN 120 SE	HT 51 RH 50 B 51 B 55 HT 81-U RHU 81 HT 120 and tools and heads with 130 kN crimping force ECW-H3D RHU 920		
	16	A 10-M 16	10,0	26,0	18,0	16,0	59,5	17,0	200/50				
	6	A 14-M 6	11,3	21,0	8,0	7,0	44,0	6,4	200/50				
	8	A 14-M 8	11,3	21,0	9,0	8,0	46,0	8,4	200/50				
	10	A 14-M 10	11,3	21,0	11,0	10,0	50,0	10,5	200/50				
70	12	A 14-M 12	11,3	22,0	14,0	12,0	55,0	13,2	150/50	TN 120 SE	HT 51 RH 50 B 51 B 55 HT 81-U RHU 81 HT 120 and tools and heads with 130 kN crimping force ECW-H3D RHU 920		
	14	A 14-M 14	11,3	25,0	16,0	14,0	59,0	15,0	100/50				
	16	A 14-M 16	11,3	26,0	18,0	16,0	63,0	17,0	100/50				

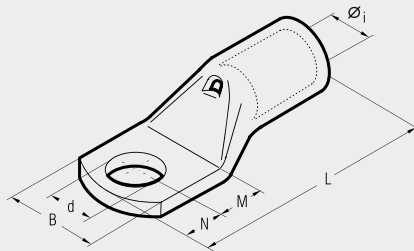
# COPPER TUBE CRIMPING LUGS

for copper conductors

A-M



File no. E125401



Cond. Size sqmm	Ø Stud mm	Ref.	Dimensions mm						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Øi	B	M	N	L	d			
95	70 95	6 A 19-M 6	13,5	25,0	8,0	7,0	50,5	6,4	100/25	TN 120 SE** B 35-45D B 35-50D HT 45E	HT 120 and tools and heads with 130 kN crimping force ECW-H3D RHU 520
		8 A 19-M 8	13,5	25,0	9,0	8,0	52,5	8,4	100/25		
		10 A 19-M 10	13,5	25,0	11,0	10,0	56,5	10,5	100/25		
		12 A 19-M 12	13,5	25,0	14,0	12,0	61,5	13,2	100/25		
		14 A 19-M 14	13,5	25,0	16,0	14,0	65,5	15,0	100/25		
		16 A 19-M 16	13,5	27,0	18,0	16,0	69,5	17,0	100/25		
		20 A 19-M 20	13,5	29,5	22,0	20,0	77,5	21,0	50/25		
120	95 120	8 A 24-M 8	15,2	28,5	9,0	8,0	54,0	8,4	100/25		
		10 A 24-M 10	15,2	28,5	11,0	10,0	58,0	10,5	100/25		
		12 A 24-M 12	15,2	28,5	14,0	12,0	63,0	13,2	100/25		
		14 A 24-M 14	15,2	28,5	16,0	14,0	67,0	15,0	50/25		
		16 A 24-M 16	15,2	28,5	18,0	16,0	71,0	17,0	50/25		
		20 A 24-M 20	15,2	30,0	22,0	20,0	79,0	21,0	50/25		
150	120 150	8 A 30-M 8	16,7	31,5	13,0	11,0	69,0	8,4	50/25		
		10 A 30-M 10	16,7	31,5	13,0	11,0	69,0	10,5	50/25		
		12 A 30-M 12	16,7	31,5	16,0	14,0	75,0	13,2	50/25		
		14 A 30-M 14	16,7	31,5	18,0	16,0	79,0	15,0	50/25		
		16 A 30-M 16	16,7	31,5	19,0	17,0	81,0	17,0	50/25		
		20 A 30-M 20	16,7	31,5	22,0	20,0	87,0	21,0	50/25		
185	150 185	8 A 37-M 8	19,2	35,5	13,0	11,0	76,0	8,4	50/25		
		10 A 37-M 10	19,2	35,5	13,0	11,0	76,0	10,5	40/20		
		12 A 37-M 12	19,2	35,5	16,0	14,0	82,0	13,2	40/20		
		14 A 37-M 14	19,2	35,5	18,0	16,0	86,0	15,0	30/15		
		16 A 37-M 16	19,2	35,5	19,0	17,0	88,0	17,0	30/15		
		20 A 37-M 20	19,2	35,5	22,0	20,0	94,0	21,0	30/15		
240	185 240	8 A 48-M 8	21,1	39,0	13,0	11,0	77,5	8,4	30/15		
		10 A 48-M 10	21,1	39,0	13,0	11,0	77,5	10,5	30/15		
		12 A 48-M 12	21,1	39,0	14,0	12,0	79,5	13,2	30/15		
		14 A 48-M 14	21,1	39,0	18,0	16,0	92,0	15,0	30/15		
		16 A 48-M 16	21,1	39,0	19,0	17,0	94,0	17,0	30/15		
		20 A 48-M 20	21,1	39,0	22,0	20,0	100,0	21,0	30/15		
300	240 300	10 A 60-M 10	23,7	44,0	20,0	11,0	96,0	10,5	20/10		
		12 A 60-M 12	23,7	44,0	20,0	14,0	99,0	13,2	20/10		
		14 A 60-M 14	23,7	44,0	22,0	16,0	103,0	15,0	20/10		
		16 A 60-M 16	23,7	44,0	22,0	19,0	106,0	17,0	20/10		
		20 A 60-M 20	23,7	44,0	24,0	23,0	112,0	21,0	20/10		
400	300 400	12 A 80-M 12	27,0	51,0	22,0	19,0	113,0	13,2	15/1		
		14 A 80-M 14	27,0	51,0	22,0	19,0	113,0	15,0	15/1		
		16 A 80-M 16	27,0	51,0	22,0	19,0	113,0	17,0	15/1		
		20 A 80-M 20	27,0	51,0	24,0	23,0	119,0	21,0	15/1		
500	400 500	16 A 100-M 16	30,3	56,5	22,0	19,0	117,0	17,0	15/1		
		20 A 100-M 20	30,3	56,5	24,0	23,0	123,0	21,0	15/1		
630	500 630	16 A 120-M 16	33,4	61,6	22,0	19,0	128,0	17,0	12/1		
		20 A 120-M 20	33,4	61,6	24,0	23,0	134,0	21,0	10/1		
800	630	16 A 160-M 16	38,0	72,0	24,0	19,0	141,0	17,0	6/1		
		20 A 160-M 20	38,0	72,0	24,0	23,0	145,0	21,0	6/3		
1000	800	16 A 200-M 16	44,0	80,0	24,0	19,0	158,0	17,0	6/1		
		20 A 200-M 20	44,0	80,0	24,0	23,0	162,0	21,0	6/1		

\*Actual conductor section may require a larger lug eg for 120mm<sup>2</sup> size use A30... lug.

\*\*See page 105

