

CATALOG

Power cable compression lugs

Installation of solderless compression lugs on power cables



— Compression power cable lugs

The ABB method is better





Compression power cable lugs solutions

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Compression power cable lugs

The ABB method is better

The ABB method of installing compression lugs on power cables is designed to provide a high degree of reliability in electrical wiring.

This method allows electrical workers to make installations with little effort and at a considerable savings in time. The benefit, of course, is a high-quality connection at a low installed cost.



Just four easy steps to a perfect connection!*

STEP 1

* Pictures and explanations are based on Spec-Kon® metric product range. Tools, dies, lugs and markings may differ for each product range



Carefully strip the insulation on de-energized wires to avoid nicking or cutting conductors.



Strands cut



Nicked strands



Strip the insulation to the proper length so that conductors can be fully inserted into the lug barrel.



Strip length too short



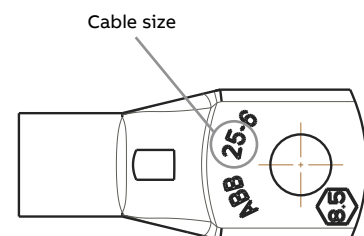
Strip length too long



STEP 2

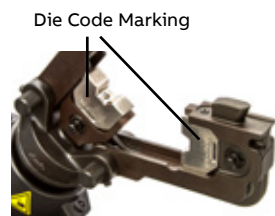


Determine the proper lug for the cable size being used. Lugs are marked to show cable size.



STEP 3

Select the proper installing die and appropriate tool.



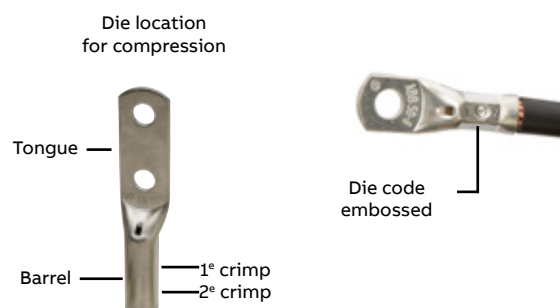
STEP 4

Locate tool with correct die in proper position on lug and activate tool.



When making multiple crimps, make the first crimp nearest the tongue and work towards the barrel end.

When properly crimped, the die code number will be embossed on the lug for easy inspection to determine if correct die and lug combination was used.



Refer to the instruction sheet supplied with the lugs for information regarding strip length, die selection and number of compressions required.

HEX crimping technology

Precision dies form a solid homogenous mass

The ABB method utilizing compression tools with matching dies forms the lug and conductor into a solid, homogenous mass to provide an optimum electrical bond between lug and conductor.

ABB method* dies are designed to produce a circumferential, hex- or diamond-shaped compression rather than a simple indent. Precision dies are an integral part of the ABB method. The precision hardened steel dies exert tremendous, controlled pressure on the lug and conductor. The dies compress the lug around the cable, converting the round strands to hexagonal or diamond shapes and forming the strands and lug into a solid mass. Each die is designed so that all conductors receive the same amount of compression force.

The circumferential compression creates a large area of high-pressure contact between cable and lug which, in turn, assures high conductivity, low resistance, and high pullout values which exceed UL/IEC/CE requirements. These features result in a permanent, low installed cost connection. You can install it, and forget it.

The ABB system tells you where to place the installing die.



Before compression, a typical cross section of cable and lug consists of about 75% metal and 25% air.



After air compression by the ABB Method, the cross section looks like this, nearly 100% metal with virtually no air spaces.



Die code embossed

* Pictures and explanations are based on the Spec-Kon® metric product range. Tools, dies, lugs and markings may differ for each product range



Spec-Kon® lugs

Quick guide

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Standard barrel	Long barrel	Type	Wire sizes mm ²															
			6	10	16	25	35	50	70	95	120	150	185	240	300	400		
		One hole	Straight		x	x	x	x	x	x	x	x	x	x	x	x	x	x
			45°		x	x	x	x	x	x	x	x	x	x	x	x	x	x
			90°		x	x	x	x	x	x	x	x	x	x	x	x	x	x
			Narrow tongue Straight		x	x	x	x	x	x	x	x	x	x	x	x		
		Two holes	Straight				x	x	x	x	x	x	x	x	x	x	x	x
			Butt splice		x	x	x	x	x	x	x	x	x	x	x	x	x	x

Spec-Kon® die selector

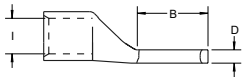
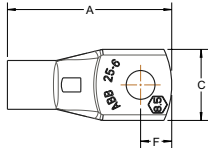
Quick guide

Conductor Size	Spec-Kon®		
[mm ²]	Lug Part number	H-CK 240 B-CK 240 T-CK 240	H-CK 400 B-CK 400 T-CK 400
6	6Mx	6TON06M	
10	10Mx	6TON07M	15507M
16	16Mx	6TON075M	155075M
25	25Mx	6TON085M	155085M
35	35Mx	6TON11M	15511M
50	50Mx	6TON12M	15512M
70	70Mx	6TON145M	155145M
95	95Mx	6TON15M	15515M
120	120Mx	6TON18M	15518M
150	150Mx	6TON21M	15521M
185	185Mx	6TON23M	15523M
240	240Mx		15526M
300	300Mx		15529M
400	400Mx		15536M

* For other tools compatibility, please contact your ABB local contact or check our website for your local contact number

Spec-Kon® lugs

Copper / Straight – one hole type



Application

- Copper tin plated Metric Compression Lug for power cables for rated voltage up to 36kV. From 6 to 400 mm²
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- Straight - one hole lug with die code marking to assist installation work and inspection
- Hole inspection to ease installation control
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

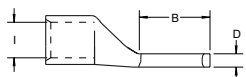
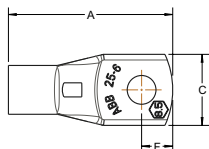
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Nominal X-Section	Stud Bolt Size	Part Number	GID Number	Die selection			Dimensions						PCs per box
				Die code	Compression Tooling		I	A	B	C	D	F	
[mm²]					H-CK 240 B-CK 240 T-CK 240	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
6	M5	6M5	7TCA302310R0017	6	6TON06M		3.8	28.2	14.0	10.0	1.2	6.2	100
	M6	6M6	7TCA302310R0000					28.2	14.0	10.8	1.2	6.2	
	M8	6M8	7TCA302310R0001					32.0	16.0	13.0	1.0	8.0	
10	M5	10M5	7TCA302310R0002	7	6TON07M	15507M	4.5	32.3	15.8	11.0	1.2	6.0	100
	M6	10M6	7TCA302310R0003					32.3	15.8	11.0	1.2	6.0	
	M8	10M8	7TCA302310R0004					32.3	16.5	13.0	1.1	8.0	
	M10	10M10	7TCA302310R0005					32.3	16.5	14.5	1.7	8.0	
16	M5	16M5	7TCA302310R0006	7.5	6TON075M	155075M	6.0	35.7	16.8	13.0	1.3	6.5	100
	M6	16M6	7TCA302310R0007					35.7	16.8	13.0	1.3	6.5	
	M8	16M8	7TCA302310R0008					35.7	16.8	13.0	1.2	6.5	
	M10	16M10	7TCA302310R0009					37.9	18.2	15.0	1.1	8.0	
25	M6	25M6	7TCA302310R0010	8.5	6TON085M	155085M	7.3	40.0	18.0	14.0	1.6	8.0	100
	M8	25M8	7TCA302310R0011					40.0	18.0	15.5	1.6	8.0	
	M10	25M10	7TCA302310R0012					40.0	18.0	15.5	1.5	8.0	
35	M6	35M6	7TCA302310R0013	11	6TON11M	15511M	8.9	44.0	19.5	15.5	2.1	8.5	100
	M8	35M8	7TCA302310R0014					44.0	19.5	15.5	2.1	8.5	
	M10	35M10	7TCA302310R0015					44.0	19.5	15.5	2.1	8.5	
	M12	35M12	7TCA302310R0016					49.5	25.0	21.5	1.5	11.5	
50	M6	50M6	7TCA302320R0000	12	6TON12M	15512M	9.8	49.0	21.5	18.0	2.5	10.0	50
	M8	50M8	7TCA302320R0001					49.0	21.5	18.0	2.5	10.0	
	M10	50M10	7TCA302320R0002					49.0	21.5	18.0	2.5	10.0	
	M12	50M12	7TCA302320R0003					52.5	25.0	23.0	1.8	11.0	
70	M6	70M6	7TCA302320R0004	14.5	6TON145M	155145M	12.2	56.0	26.0	20.8	2.9	11.5	50
	M8	70M8	7TCA302320R0005					56.0	26.0	20.8	2.9	11.5	
	M10	70M10	7TCA302320R0006					56.0	26.0	20.8	2.9	11.5	
	M12	70M12	7TCA302320R0007					56.0	26.0	20.8	2.8	11.5	
95	M8	95M8	7TCA302320R0008	15	6TON15M	15515M	13.5	62.0	27.5	24.5	3.1	13.0	50
	M10	95M10	7TCA302320R0009					62.0	27.5	24.5	3.1	13.0	
	M12	95M12	7TCA302320R0010					62.0	27.5	24.5	3.0	13.0	
	M16	95M16	7TCA302320R0011					62.0	27.5	24.5	2.9	13.0	

Spec-Kon® lugs

Copper / Straight – one hole type



Application

- Copper tin plated Metric Compression Lug for power cables for rated voltage up to 36kV. From 6 to 400 mm²
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- Straight - one hole lug with die code marking to assist installation work and inspection
- Hole inspection to ease installation control
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

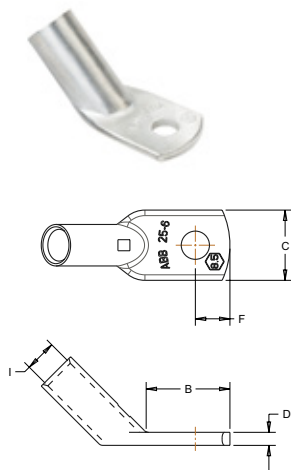
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Nominal X-Section	Stud Bolt Size	Part Number	GID Number	Die selection			Dimensions						PCs per box
				Die code	Compression Tooling		I	A	B	C	D	F	
[mm ²]					H-CK 240 B-CK 240 T-CK 240	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
120	M8	120M8	7TCA302320R0012	18	6TON18M	15518M	15.2	66.5	28.0	27.5	3.5	13.5	50
	M10	120M10	7TCA302320R0013					66.5	28.0	27.5	3.5	13.5	
	M12	120M12	7TCA302320R0014					66.5	28.0	27.5	3.5	13.5	
	M16	120M16	7TCA302320R0015					66.5	28.0	27.5	3.4	13.5	
150	M8	150M8	7TCA302330R0000	21	6TON21M	15521M	16.5	73.0	33.5	30.5	4.5	15.5	20
	M10	150M10	7TCA302330R0001					73.0	33.5	30.5	4.5	15.5	
	M12	150M12	7TCA302330R0002					73.0	33.5	30.5	4.5	15.5	
	M16	150M16	7TCA302330R0003					73.0	33.5	30.5	4.3	15.5	
185	M20	150M20	7TCA302330R0004	23	6TON23M	15523M	18.6	76.5	37.0	30.5	4.3	15.5	20
	M10	185M10	7TCA302330R0005					75.0	33.5	33.5	4.6	16.0	
	M12	185M12	7TCA302330R0006					75.0	33.5	33.5	4.6	16.0	
	M16	185M16	7TCA302330R0007					75.0	33.5	33.5	4.4	16.0	
240	M20	185M20	7TCA302330R0008	26		15526M	20.8	80.0	38.5	33.5	4.4	17.5	20
	M10	240M10	7TCA302330R0009					89.0	39.0	37.5	5.3	18.0	
	M12	240M12	7TCA302330R0010					89.0	39.0	37.5	5.3	18.0	
	M16	240M16	7TCA302330R0011					89.0	39.0	37.5	5.3	18.0	
300	M20	240M20	7TCA302330R0012	29		15529M	23.5	89.0	39.0	37.5	5.2	18.0	10
	M10	300M10	7TCA302330R0013					96.5	39.0	42.5	5.4	18.0	
	M12	300M12	7TCA302330R0014					96.5	39.0	42.5	5.4	18.0	
	M16	300M16	7TCA302330R0015					96.5	39.0	42.5	5.4	18.0	
400	M20	300M20	7TCA302330R0016	36		15536M	27.0	96.5	39.0	42.5	5.3	18.0	5
	M12	400M12	7TCA302330R0017					109.5	44.0	49.5	7.5	20.0	
	M16	400M16	7TCA302330R0018					109.5	44.0	49.5	7.5	20.0	
	M20	400M20	7TCA302330R0019					109.5	44.0	49.5	7.5	20.0	

Spec-Kon® lugs

Copper / 45° – one hole type



Application

- Copper tin plated Metric Compression Lug for power cables for rated voltage up to 36kV. From 6 to 400 mm²
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- 45 degrees - one hole lug with die code marking to assist installation work and inspection
- Hole inspection to ease installation control
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

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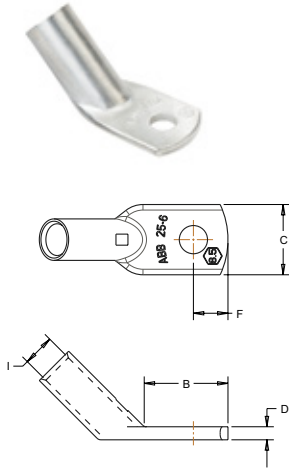
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Nominal X-Section	Stud Bolt Size	Part Number	GID Number	Die selection				Dimensions					PCs per box
				Die code	Compression Tooling		I	B	C	D	F		
[mm²]					H-CK 240 B-CK 240 T-CK 240	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]		
6	M5	6M5-45	7TCA302340R0000	6	6TON06M		3.8	14.0	10.0	1.2	6.2	100	
	M6	6M6-45	7TCA302340R0001					14.0	10.8	1.2	6.2		
	M8	6M8-45	7TCA302340R0002					16.0	13.0	1.0	8.0		
10	M5	10M5-45	7TCA302340R0003	7	6TON07M	15507M	4.5	15.8	11.0	1.2	6.0	100	
	M6	10M6-45	7TCA302340R0004					15.8	11.0	1.2	6.0		
	M8	10M8-45	7TCA302340R0005					16.5	13.0	1.1	8.0		
	M10	10M10-45	7TCA302340R0006				4.4	16.5	14.5	1.7	8.0		
16	M5	16M5-45	7TCA302340R0007	7.5	6TON075M	155075M	6.0	16.8	13.0	1.3	6.5	100	
	M6	16M6-45	7TCA302340R0008					16.8	13.0	1.3	6.5		
	M8	16M8-45	7TCA302340R0009					16.8	13.0	1.2	6.5		
	M10	16M10-45	7TCA302340R0010					18.2	15.0	1.1	8.0		
25	M6	25M6-45	7TCA302340R0011	8.5	6TON085M	155085M	7.3	18.0	14.0	1.6	8.0	100	
	M8	25M8-45	7TCA302340R0012					18.0	15.5	1.6	8.0		
	M10	25M10-45	7TCA302340R0013					18.0	15.5	1.5	8.0		
35	M6	35M6-45	7TCA302340R0014	11	6TON11M	15511M	8.9	19.5	15.5	2.1	8.5	100	
	M8	35M8-45	7TCA302340R0015					19.5	15.5	2.1	8.5		
	M10	35M10-45	7TCA302340R0016					19.5	15.5	2.1	8.5		
	M12	35M12-45	7TCA302340R0017					25.0	21.5	1.5	11.5		
50	M6	50M6-45	7TCA302350R0000	12	6TON12M	15512M	9.8	21.5	18.0	2.5	10.0	50	
	M8	50M8-45	7TCA302350R0001					21.5	18.0	2.5	10.0		
	M10	50M10-45	7TCA302350R0002					21.5	18.0	2.5	10.0		
	M12	50M12-45	7TCA302350R0003					25.0	23.0	1.8	11.0		
70	M6	70M6-45	7TCA302350R0004	14.5	6TON145M	155145M	12.2	26.0	20.8	2.9	11.5	50	
	M8	70M8-45	7TCA302350R0005					26.0	20.8	2.9	11.5		
	M10	70M10-45	7TCA302350R0006					26.0	20.8	2.9	11.5		
	M12	70M12-45	7TCA302350R0007					26.0	20.8	2.8	11.5		
95	M8	95M8-45	7TCA302350R0008	15	6TON15M	15515M	13.5	27.5	24.5	3.1	13.0	50	
	M10	95M10-45	7TCA302350R0009					27.5	24.5	3.1	13.0		
	M12	95M12-45	7TCA302350R0010					27.5	24.5	3.0	13.0		
	M16	95M16-45	7TCA302350R0011					27.5	24.5	2.9	13.0		

Spec-Kon® lugs

Copper / 45° – one hole type



Application

- Copper tin plated Metric Compression Lug for power cables for rated voltage up to 36kV. From 6 to 400 mm²
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- 45 degrees - one hole lug with die code marking to assist installation work and inspection
- Hole inspection to ease installation control
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

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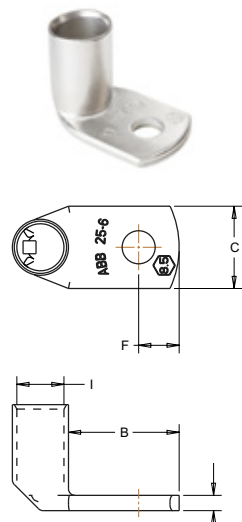
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Nominal X-Section	Stud Bolt Size	Part Number	GID Number	Die selection			Dimensions					PCs per box
				Die code	Compression Tooling		I	B	C	D	F	
[mm²]					H-CK 240 B-CK 240 T-CK 240	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	
120	M8	120M8-45	7TCA302350R0012	18	6TON18M	15518M	15.2	28.0	27.5	3.5	13.5	50
	M10	120M10-45	7TCA302350R0013					28.0	27.5	3.5	13.5	
	M12	120M12-45	7TCA302350R0014					28.0	27.5	3.5	13.5	
	M16	120M16-45	7TCA302350R0015					28.0	27.5	3.4	13.5	
150	M8	150M8-45	7TCA302360R0000	21	6TON21M	15521M	16.5	33.5	30.5	4.5	15.5	50
	M10	150M10-45	7TCA302360R0001					33.5	30.5	4.5	15.5	
	M12	150M12-45	7TCA302360R0002					33.5	30.5	4.5	15.5	
	M16	150M16-45	7TCA302360R0003					33.5	30.5	4.3	15.5	
	M20	150M20-45	7TCA302360R0004					37.0	30.5	4.3	15.5	
185	M10	185M10-45	7TCA302360R0005	23	6TON23M	15523M	18.6	33.5	33.5	4.6	16.0	20
	M12	185M12-45	7TCA302360R0006					33.5	33.5	4.6	16.0	
	M16	185M16-45	7TCA302360R0007					33.5	33.5	4.4	16.0	
	M20	185M20-45	7TCA302360R0008					38.5	33.5	4.4	17.5	
	M10	240M10-45	7TCA302360R0009					39.0	37.5	5.3	18.0	
240	M12	240M12-45	7TCA302360R0010	26		15526M	20.8	39.0	37.5	5.3	18.0	20
	M16	240M16-45	7TCA302360R0011					39.0	37.5	5.3	18.0	
	M20	240M20-45	7TCA302360R0012					39.0	37.5	5.2	18.0	
	M10	300M10-45	7TCA302360R0013					39.0	42.5	5.4	18.0	
300	M12	300M12-45	7TCA302360R0014	29		15529M	23.5	39.0	42.5	5.4	18.0	10
	M16	300M16-45	7TCA302360R0015					39.0	42.5	5.4	18.0	
	M20	300M20-45	7TCA302360R0016					39.0	42.5	5.3	18.0	
	M12	400M12-45	7TCA302360R0017					44.0	49.5	7.5	20.0	
400	M16	400M16-45	7TCA302360R0018	36		15536M	27.0	44.0	49.5	7.5	20.0	5
	M20	400M20-45	7TCA302360R0019					44.0	49.5	7.5	20.0	

Spec-Kon® lugs

Copper / 90° – one hole type



Application

- Copper tin plated Metric Compression Lug for power cables for rated voltage up to 36kV. From 6 to 400 mm²
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- 90 degrees - one hole lug with die code marking to assist installation work and inspection
- Hole inspection to ease installation control
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

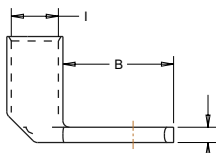
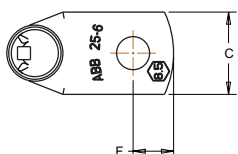
- Comply to IEC 61238 - CE declaration



Nominal X-Section [mm ²]	Stud Bolt Size	Part Number	GID Number	Die selection			Dimensions					PCs per box
				Die code	Compression Tooling		I	B	C	D	F	
					H-CK 240 B-CK 240 T-CK 240	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	
6	M5	6M5-90	7TCA302370R0000	6	6TON06M		3.8	14.0	10.0	1.2	6.2	100
	M6	6M6-90	7TCA302370R0001					14.0	10.8	1.2	6.2	
	M8	6M8-90	7TCA302370R0002					16.0	13.0	1.0	8.0	
10	M5	10M5-90	7TCA302370R0003	7	6TON07M	15507M	4.5	15.8	11.0	1.2	6.0	100
	M6	10M6-90	7TCA302370R0004					15.8	11.0	1.2	6.0	
	M8	10M8-90	7TCA302370R0005					16.5	13.0	1.1	8.0	
	M10	10M10-90	7TCA302370R0006				4.4	16.5	14.5	1.7	8.0	
16	M5	16M5-90	7TCA302370R0007	7.5	6TON075M	155075M	6.0	16.8	13.0	1.3	6.5	100
	M6	16M6-90	7TCA302370R0008					16.8	13.0	1.3	6.5	
	M8	16M8-90	7TCA302370R0009					16.8	13.0	1.2	6.5	
	M10	16M10-90	7TCA302370R0010					18.2	15.0	1.1	8.0	
25	M6	25M6-90	7TCA302370R0011	8.5	6TON085M	155085M	7.3	18.0	14.0	1.6	8.0	100
	M8	25M8-90	7TCA302370R0012					18.0	15.5	1.6	8.0	
	M10	25M10-90	7TCA302370R0013					18.0	15.5	1.5	8.0	
35	M6	35M6-90	7TCA302370R0014	11	6TON11M	15511M	8.9	19.5	15.5	2.1	8.5	100
	M8	35M8-90	7TCA302370R0015					19.5	15.5	2.1	8.5	
	M10	35M10-90	7TCA302370R0016					19.5	15.5	2.1	8.5	
	M12	35M12-90	7TCA302370R0017					25.0	21.5	1.5	11.5	
50	M6	50M6-90	7TCA302380R0000	12	6TON12M	15512M	9.8	21.5	18.0	2.5	10.0	50
	M8	50M8-90	7TCA302380R0001					21.5	18.0	2.5	10.0	
	M10	50M10-90	7TCA302380R0002					21.5	18.0	2.5	10.0	
	M12	50M12-90	7TCA302380R0003					25.0	23.0	1.8	11.0	
70	M6	70M6-90	7TCA302380R0004	14.5	6TON145M	155145M	12.2	26.0	20.8	2.9	11.5	50
	M8	70M8-90	7TCA302380R0005					26.0	20.8	2.9	11.5	
	M10	70M10-90	7TCA302380R0006					26.0	20.8	2.9	11.5	
	M12	70M12-90	7TCA302380R0007					26.0	20.8	2.8	11.5	
95	M8	95M8-90	7TCA302380R0008	15	6TON15M	15515M	13.5	27.5	24.5	3.1	13.0	50
	M10	95M10-90	7TCA302380R0009					27.5	24.5	3.1	13.0	
	M12	95M12-90	7TCA302380R0010					27.5	24.5	3.0	13.0	
	M16	95M16-90	7TCA302380R0011					27.5	24.5	2.9	13.0	

Spec-Kon® lugs

Copper / 90° – one hole type



Application

- Copper tin plated Metric Compression Lug for power cables for rated voltage up to 36kV. From 6 to 400 mm²
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- 90 degrees - one hole lug with die code marking to assist installation work and inspection
- Hole inspection to ease installation control
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

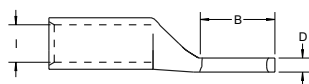
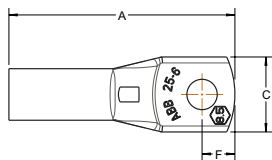
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Nominal X-Section [mm ²]	Stud Bolt Size	Part Number	GID Number	Die selection			Dimensions					PCs per box
				Die code	Compression Tooling		I	B	C	D	F	
					H-CK 240 B-CK 240 T-CK 240	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	
120	M8	120M8-90	7TCA302380R0012	18	6TON18M	15518M	15.2	28.0	27.5	3.5	13.5	50
	M10	120M10-90	7TCA302380R0013					28.0	27.5	3.5	13.5	
	M12	120M12-90	7TCA302380R0014					28.0	27.5	3.5	13.5	
	M16	120M16-90	7TCA302380R0015					28.0	27.5	3.4	13.5	
150	M8	150M8-90	7TCA302390R0000	21	6TON21M	15521M	16.5	33.5	30.5	4.5	15.5	20
	M10	150M10-90	7TCA302390R0001					33.5	30.5	4.5	15.5	
	M12	150M12-90	7TCA302390R0002					33.5	30.5	4.5	15.5	
	M16	150M16-90	7TCA302390R0003					33.5	30.5	4.3	15.5	
	M20	150M20-90	7TCA302390R0004					37.0	30.5	4.3	15.5	
185	M10	185M10-90	7TCA302390R0005	23	6TON23M	15523M	18.6	33.5	33.5	4.6	16.0	20
	M12	185M12-90	7TCA302390R0006					33.5	33.5	4.6	16.0	
	M16	185M16-90	7TCA302390R0007					33.5	33.5	4.4	16.0	
	M20	185M20-90	7TCA302390R0008					38.5	33.5	4.4	17.5	
240	M10	240M10-90	7TCA302390R0009	26		15526M	20.8	39.0	37.5	5.3	18.0	20
	M12	240M12-90	7TCA302390R0010					39.0	37.5	5.3	18.0	
	M16	240M16-90	7TCA302390R0011					39.0	37.5	5.3	18.0	
	M20	240M20-90	7TCA302390R0012					39.0	37.5	5.2	18.0	
300	M10	300M10-90	7TCA302390R0013	29		15529M	23.5	39.0	42.5	5.4	18.0	10
	M12	300M12-90	7TCA302390R0014					39.0	42.5	5.4	18.0	
	M16	300M16-90	7TCA302390R0015					39.0	42.5	5.4	18.0	
	M20	300M20-90	7TCA302390R0016					39.0	42.5	5.3	18.0	
400	M12	400M12-90	7TCA302390R0017	36		15536M	27.0	44.0	49.5	7.5	20.0	5
	M16	400M16-90	7TCA302390R0018					44.0	49.5	7.5	20.0	
	M20	400M20-90	7TCA302390R0019					44.0	49.5	7.5	20.0	

Spec-Kon® lugs

Copper / Straight long barrel – one hole type



Application

- Copper tin plated Metric Compression Lug for power cables for rated voltage up to 36kV. From 6 to 400 mm²
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- Straight long barrel - one hole lug with die code marking to assist installation work and inspection
- Hole inspection to ease installation control
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

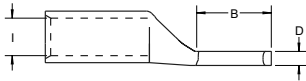
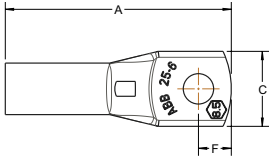
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60288



Nominal X-Section	Stud Bolt Size	Part Number	GID Number	Die selection			Dimensions						PC's per doos
				Die code	Compression Tooling		I	A	B	C	D	F	
[mm²]					H-CK licht B-CK licht T-CK licht	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
6	M5	6M5-LB	7TCA302400R0000	6	6TON06M		3.8	38.7	14.0	10.0	1.2	6.2	100
	M6	6M6-LB	7TCA302400R0001					38.7	14.0	10.8	1.2	6.2	
	M8	6M8-LB	7TCA302400R0002					41.0	16.0	13.0	1.0	8.0	
10	M5	10M5-LB	7TCA302400R0003	7	6TON07M	15507M	4.5	43.8	15.8	11.0	1.2	6.0	100
	M6	10M6-LB	7TCA302400R0004					43.8	15.8	11.0	1.2	6.0	
	M8	10M8-LB	7TCA302400R0005					43.8	16.5	13.0	1.1	8.0	
	M10	10M10-LB	7TCA302400R0006					4.4	43.8	16.5	14.5	1.7	
16	M5	16M5-LB	7TCA302400R0007	7.5	6TON075M	155075M	6.0	47.2	16.8	13.0	1.3	6.5	50
	M6	16M6-LB	7TCA302400R0008					47.2	16.8	13.0	1.3	6.5	
	M8	16M8-LB	7TCA302400R0009					47.2	16.8	13.0	1.2	6.5	
	M10	16M10-LB	7TCA302400R0010					46.9	18.2	15.0	1.1	8.0	
25	M6	25M6-LB	7TCA302400R0011	8.5	6TON085M	155085M	7.3	48.5	18.0	14.0	1.6	8.0	50
	M8	25M8-LB	7TCA302400R0012					48.5	18.0	15.5	1.6	8.0	
	M10	25M10-LB	7TCA302400R0013					48.5	18.0	15.5	1.5	8.0	
35	M6	35M6-LB	7TCA302400R0014	11	6TON11M	15511M	8.9	57.0	19.5	15.5	2.1	8.5	50
	M8	35M8-LB	7TCA302400R0015					57.0	19.5	15.5	2.1	8.5	
	M10	35M10-LB	7TCA302400R0016					57.0	19.5	15.5	2.1	8.5	
	M12	35M12-LB	7TCA302400R0017					62.5	25.0	21.5	1.5	11.5	
50	M6	50M6-LB	7TCA302410R0000	12	6TON12M	15512M	9.8	62.7	21.5	18.0	2.5	10.0	50
	M8	50M8-LB	7TCA302410R0001					62.7	21.5	18.0	2.5	10.0	
	M10	50M10-LB	7TCA302410R0002					62.7	21.5	18.0	2.5	10.0	
	M12	50M12-LB	7TCA302410R0003					66.2	25.0	23.0	1.8	11.0	
70	M6	70M6-LB	7TCA302410R0004	14.5	6TON145M	155145M	12.2	68.0	26.0	20.8	2.9	11.5	25
	M8	70M8-LB	7TCA302410R0005					68.0	26.0	20.8	2.9	11.5	
	M10	70M10-LB	7TCA302410R0006					68.0	26.0	20.8	2.9	11.5	
	M12	70M12-LB	7TCA302410R0007					68.0	26.0	20.8	2.8	11.5	
95	M8	95M8-LB	7TCA302410R0008	15	6TON15M	15515M	13.5	79.0	27.5	24.5	3.1	13.0	25
	M10	95M10-LB	7TCA302410R0009					79.0	27.5	24.5	3.1	13.0	
	M12	95M12-LB	7TCA302410R0010					79.0	27.5	24.5	3.0	13.0	
	M16	95M16-LB	7TCA302410R0011					79.0	27.5	24.5	2.9	13.0	

Spec-Kon® lugs

Copper / Straight long barrel – one hole type



Application

- Copper tin plated Metric Compression Lug for power cables for rated voltage up to 36kV. From 6 to 400 mm²
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- Straight long barrel - one hole lug with die code marking to assist installation work and inspection
- Hole inspection to ease installation control
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

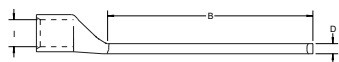
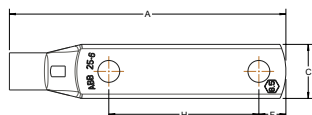
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60288



Nominal X-Section	Stud Bolt Size	Part Number	GID Number	Die selection			Dimensions						PCs per box
				Die code	Compression Tooling		I	A	B	C	D	F	
[mm ²]					H-CK licht B-CK licht T-CK licht	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
120	M8	120M8-LB	7TCA302410R0012	18	6TON18M	15518M	15.2	80.0	28.0	27.5	3.5	13.5	25
	M10	120M10-LB	7TCA302410R0013					80.0	28.0	27.5	3.5	13.5	
	M12	120M12-LB	7TCA302410R0014					80.0	28.0	27.5	3.5	13.5	
	M16	120M16-LB	7TCA302410R0015					80.0	28.0	27.5	3.4	13.5	
150	M8	150M8-LB	7TCA302420R0000	21	6TON21M	15521M	16.5	100.0	33.5	30.5	4.5	15.5	20
	M10	150M10-LB	7TCA302420R0001					100.0	33.5	30.5	4.5	15.5	
	M12	150M12-LB	7TCA302420R0002					100.0	33.5	30.5	4.5	15.5	
	M16	150M16-LB	7TCA302420R0003					100.0	33.5	30.5	4.3	15.5	
185	M20	150M20-LB	7TCA302420R0004	23	6TON23M	15523M	18.6	103.5	37.0	30.5	4.3	15.5	20
	M10	185M10-LB	7TCA302420R0005					100.3	33.5	33.5	4.6	16.0	
	M12	185M12-LB	7TCA302420R0006					100.3	33.5	33.5	4.6	16.0	
	M16	185M16-LB	7TCA302420R0007					100.3	33.5	33.5	4.4	16.0	
240	M20	185M20-LB	7TCA302420R0008	26	15526M	15526M	20.8	105.3	38.5	33.5	4.4	17.5	10
	M10	240M10-LB	7TCA302420R0009					115.0	39.0	37.5	5.3	18.0	
	M12	240M12-LB	7TCA302420R0010					115.0	39.0	37.5	5.3	18.0	
	M16	240M16-LB	7TCA302420R0011					115.0	39.0	37.5	5.3	18.0	
300	M20	240M20-LB	7TCA302420R0012	29	15529M	15529M	23.5	115.0	39.0	37.5	5.2	18.0	10
	M10	300M10-LB	7TCA302420R0013					122.7	39.0	42.5	5.4	18.0	
	M12	300M12-LB	7TCA302420R0014					122.7	39.0	42.5	5.4	18.0	
	M16	300M16-LB	7TCA302420R0015					122.7	39.0	42.5	5.4	18.0	
400	M20	300M20-LB	7TCA302420R0016	36	15536M	15536M	27.0	122.7	39.0	42.5	5.3	18.0	5
	M12	400M12-LB	7TCA302420R0017					127.2	44.0	49.5	7.5	20.0	
	M16	400M16-LB	7TCA302420R0018					127.2	44.0	49.5	7.5	20.0	
	M20	400M20-LB	7TCA302420R0019					127.2	44.0	49.5	7.5	20.0	

Spec-Kon® lugs

Copper / Straight – two hole type



Application

- Copper tin plated Metric Compression Lug for power cables for rated voltage up to 36kV. From 25 to 400 mm²
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- Straight - two hole lug with die code marking to assist installation work and inspection
- Hole inspection to ease installation control
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

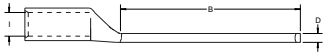
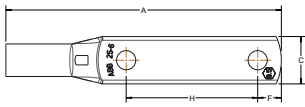
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Nominal X-Section	Stud Bolt Size	Part Number	GID Number	Die selection			Dimensions							PCs per box
				Die code	Compression Tooling		I	A	B	C	D	F	H	
[mm ²]					H-CK licht B-CK licht T-CK licht	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
25	M6	25M6-2	7TCA302430R0000	8.5	6TON085M	155085M	6.9	84.5	52.5	14.0	1.6	8.0	44.5	50
	M8	25M8-2	7TCA302430R0001				7.3	84.5	52.5	15.5	1.6	8.0	44.5	
35	M8	35M8-2	7TCA302430R0002	11	6TON11M	15511M	8.2	88.8	53.0	15.5	2.1	8.5	44.5	50
	M10	35M10-2	7TCA302430R0003				8.9	88.8	52.5	15.5	2.1	8.5	44.5	
50	M10	50M10-2	7TCA302440R0000	12	6TON12M	15512M	9.8	93.5	54.5	18.0	2.5	10.0	44.5	50
	M12	50M12-2	7TCA302440R0001					97.0	55.5	23.0	1.8	11.0	44.5	
70	M10	70M10-2	7TCA302440R0002	14.5	6TON145M	155145M	12.2	100.5	56.0	20.8	2.9	11.5	44.5	25
	M12	70M12-2	7TCA302440R0003					100.5	56.0	20.8	2.8	11.5	44.5	
95	M10	95M10-2	7TCA302440R0004	15	6TON15M	15515M	13.5	107.0	58.0	24.5	3.1	13.5	44.5	25
	M12	95M12-2	7TCA302440R0005					107.0	58.0	24.5	3.0	13.5	44.5	
120	M10	120M10-2	7TCA302440R0006	18	6TON18M	15518M	15.2	111.0	59.0	27.5	3.5	14.5	44.5	25
	M12	120M12-2	7TCA302440R0007					111.0	58.0	27.5	3.5	14.5	44.5	
150	M10	150M10-2	7TCA302450R0000	21	6TON21M	15521M	16.5	118.5	61.0	30.5	4.5	16.5	44.5	20
	M12	150M12-2	7TCA302450R0001					118.5	61.0	30.5	4.5	16.5	44.5	
185	M10	185M10-2	7TCA302450R0002	23	6TON23M	15523M	18.6	120.0	62.0	33.5	4.6	17.5	44.5	20
	M12	185M12-2	7TCA302450R0003					124.5	62.0	33.5	4.6	17.5	44.5	
240	M10	240M10-2	7TCA302450R0004	26		15526M	20.8	135.0	64.0	37.5	5.3	19.5	44.5	10
	M12	240M12-2	7TCA302450R0005					135.0	64.0	37.5	5.3	19.5	44.5	
300	M10	300M10-2	7TCA302450R0006	29		15529M	23.5	144.0	64.5	42.5	5.4	20.0	44.5	10
	M12	300M12-2	7TCA302450R0007					144.0	64.5	42.5	5.4	20.0	44.5	
400	M12	400M12-2	7TCA302450R0008	36		15536M	27.0	160.0	68.0	49.5	7.5	23.5	44.5	10

Spec-Kon® lugs

Copper / Straight long barrel – two hole type



Application

- Copper tin plated Metric Compression Lug for power cables for rated voltage up to 36kV. From 25 to 400 mm²
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- Straight long barrel - two hole lug with die code marking to assist installation work and inspection
- Hole inspection to ease installation control
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

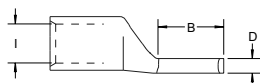
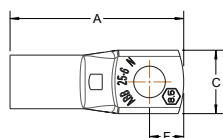
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Nominal X-Section	Stud Bolt Size	Part Number	GID Number	Die selection			Dimensions							PCs per box
				Die code	Compression Tooling		I	A	B	C	D	F	H	
[mm²]					H-CK licht B-CK licht T-CK licht	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
25	M6	25M6-2LB	7TCA302460R0000	8.5	6TON085M	155085M	6.9	93.0	52.5	14.0	1.6	8.0	44.5	50
	M8	25M8-2LB	7TCA302460R0001				7.3	93.0	52.5	15.5	1.6	8.0	44.5	
35	M8	35M8-2LB	7TCA302460R0002	11	6TON11M	15511M	8.2	101.8	53.0	15.5	2.1	8.5	44.5	50
	M10	35M10-2LB	7TCA302460R0003				8.9	101.8	52.5	15.5	2.1	8.5	44.5	
50	M10	50M10-2LB	7TCA302470R0000	12	6TON12M	15512M	9.8	107.2	54.5	18.0	2.5	10.0	44.5	50
	M12	50M12-2LB	7TCA302470R0001					110.7	55.5	23.0	1.8	11.0	44.5	
70	M10	70M10-2LB	7TCA302470R0002	14.5	6TON145M	155145M	12.2	112.5	56.0	20.8	2.9	11.5	44.5	25
	M12	70M12-2LB	7TCA302470R0003					112.5	56.0	20.8	2.8	11.5	44.5	
95	M10	95M10-2LB	7TCA302470R0004	15	6TON15M	15515M	13.5	124.0	58.0	24.5	3.1	13.5	44.5	25
	M12	95M12-2LB	7TCA302470R0005					124.0	58.0	24.5	3.0	13.5	44.5	
120	M10	120M10-2LB	7TCA302470R0006	18	6TON18M	15518M	15.2	124.5	59.0	27.5	3.5	14.5	44.5	25
	M12	120M12-2LB	7TCA302470R0007					124.5	59.0	27.5	3.5	14.5	44.5	
150	M10	150M10-2LB	7TCA302480R0000	21	6TON21M	15521M	16.5	145.5	61.0	30.5	4.5	16.5	44.5	20
	M12	150M12-2LB	7TCA302480R0001					145.5	61.0	30.5	4.5	16.5	44.5	
185	M10	185M10-2LB	7TCA302480R0002	23	6TON23M	15523M	18.6	145.3	62.0	33.5	4.6	17.5	44.5	20
	M12	185M12-2LB	7TCA302480R0003					149.8	62.0	33.5	4.6	17.5	44.5	
240	M10	240M10-2LB	7TCA302480R0004	26		15526M	20.8	160.0	64.0	37.5	5.3	19.5	44.5	10
	M12	240M12-2LB	7TCA302480R0005					160.0	64.0	37.5	5.3	19.5	44.5	
300	M10	300M10-2LB	7TCA302480R0006	29		15529M	23.5	169.2	64.5	42.5	5.4	20.0	44.5	10
	M12	300M12-2LB	7TCA302480R0007					169.2	64.5	42.5	5.4	20.0	44.5	
400	M12	400M12-2LB	7TCA302480R0008	36		15536M	27.0	177.7	68.0	49.5	7.5	23.5	44.5	10

Spec-Kon® lugs

Copper / Straight Narrow Tongue – one hole type



Application

- Copper tin plated Metric Compression Lug for Switchers and Breakers with reduced space terminal blocks. From 6 to 300 mm²
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- Straight Narrow Palm - two hole lug with die code marking to assist installation work and inspection
- Hole inspection to ease installation control
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

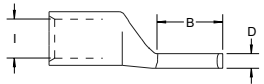
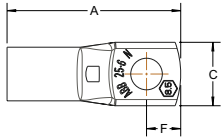
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Nominal X-Section	Stud Bolt Size	Part Number	GID Number	Die selection			Dimensions						PCs per box
				Die code	Compression Tooling		I	A	B	C	D	F	
[mm²]					H-CK licht B-CK licht T-CK licht	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
6	M5	6M5-NP	7TCA302490R0000	6	6TON06M		3.8	27.5	13.3	10.0	1.2	5.5	50
	M6	6M6-NP	7TCA302490R0001					27.5	13.3	10.0	1.2	5.5	
10	M5	10M5-NP	7TCA302490R0002	7	6TON07M	15507M	4.5	31.8	15.3	11.0	1.3	5.5	50
	M6	10M6-NP	7TCA302490R0003					31.8	15.3	11.0	1.3	5.5	
16	M5	16M5-NP	7TCA302490R0004	7.5	6TON075M	155075M	6.0	33.4	14.5	12.0	1.4	5.5	50
	M6	16M6-NP	7TCA302490R0005					33.4	14.5	12.0	1.4	5.5	
25	M6	25M6-NP	7TCA302490R0006	8.5	6TON085M	155085M	7.3	35.5	14.5	13.0	1.8	5.5	25
	M8	25M8-NP	7TCA302490R0007					39.5	18.5	13.0	1.8	7.5	
35	M6	35M6-NP	7TCA302490R0008	11	6TON11M	15511M	8.9	37.2	14.5	14.0	2.2	5.5	25
	M8	35M8-NP	7TCA302490R0009					41.2	18.5	14.0	2.2	7.5	
50	M6	50M6-NP	7TCA302500R0000	12	6TON12M	15512M	9.8	41.2	14.5	14.0	3.1	5.5	25
	M8	50M8-NP	7TCA302500R0001					45.2	18.5	14.0	3.1	7.5	
	M10	50M10-NP	7TCA302500R0002					45.2	18.5	16.5	2.6	7.5	
	M6	70M6-NP	7TCA302500R0003					43.2	14.5	15.0	4.0	5.5	
70	M8	70M8-NP	7TCA302500R0004	14.5	6TON145M	155145M	12.2	47.2	18.5	15.0	4.0	7.5	25
	M10	70M10-NP	7TCA302500R0005					47.2	18.5	15.0	4.0	7.5	
95	M8	95M8-NP	7TCA302500R0006	15	6TON15M	15515M	13.5	52.0	18.5	16.5	4.3	7.5	25
	M10	95M10-NP	7TCA302500R0007					55.5	22.0	16.5	4.3	9.5	
	M12	95M12-NP	7TCA302500R0008					55.5	22.0	16.5	4.3	9.5	

Spec-Kon® lugs

Copper / Straight Narrow Tongue – one hole type



Application

- Copper tin plated Metric Compression Lug for Switchers and Breakers with reduced space terminal blocks. From 6 to 300 mm²
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- Straight Narrow Palm - two hole lug with die code marking to assist installation work and inspection
- Hole inspection to ease installation control
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

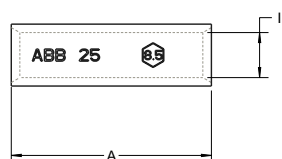
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Nominal X-Section	Stud Bolt Size	Part Number	GID Number	Die selection				Dimensions						PCs per box
				Die code	Compression Tooling		I	A	B	C	D	F		
[mm²]					H-CK licht B-CK licht T-CK licht	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		
120	M8	120M8-NP	7TCA302500R0009	18	6TON18M	15518M	15,2	57,0	18,5	18,6	4,9	7,5	10	
	M10	120M10-NP	7TCA302500R0010					60,5	22,0	18,6	4,9	9,5		
	M12	120M12-NP	7TCA302500R0011					60,5	22,0	18,6	4,9	9,5		
150	M8	150M8-NP	7TCA302510R0000	21	6TON21M	15521M	16,5	58,0	18,5	21,0	6,3	7,5	10	
	M10	150M10-NP	7TCA302510R0001					61,5	22,0	21,0	6,3	9,5		
	M12	150M12-NP	7TCA302510R0002					61,5	22,0	21,0	6,3	9,5		
185	M8	185M8-NP	7TCA302510R0003	23	6TON23M	15523M	18,6	60,0	18,5	23,0	6,2	7,5	10	
	M10	185M10-NP	7TCA302510R0004					63,3	22,0	23,0	6,2	9,5		
	M12	185M12-NP	7TCA302510R0005					63,3	22,0	23,0	6,2	9,5		
240	M10	240M10-NP	7TCA302510R0006	26	15526M	15526M	20,8	72,0	22,0	26,0	7,3	9,5	5	
	M12	240M12-NP	7TCA302510R0007					72,0	22,0	26,0	7,3	9,5		
	M16	240M16-NP	7TCA302510R0008					75,5	25,5	26,0	7,3	9,5		
300	M10	300M10-NP	7TCA302510R0009	29	15529M	15529M	23,5	79,5	22,0	29,0	7,8	9,5	5	
	M12	300M12-NP	7TCA302510R0010					79,5	22,0	29,0	7,8	9,5		
	M16	300M16-NP	7TCA302510R0011					83,0	25,5	29,0	7,8	9,5		

Spec-Kon® lugs

Copper / Butt splices



Application

- Copper tin plated Metric Compression Butt Splices for power cables for rated voltage up to 36kV. From 6 to 400 mm²
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- Die code marking to assist installation work and inspection
- Hole inspection to ease installation control
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

②-⑤
60288



Nominal X-Section	Part Number	GID Number	Die selection			Dimensions		PCs per box
			Die code	Compression Tooling		I	A	
[mm²]				H-CK licht B-CK licht T-CK licht	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	
6	6-BS	7TCA302520R0000	6	6TON06M		3.8	30.0	100
10	10-BS	7TCA302520R0001	7	6TON07M	15507M	4.5	30.0	100
16	16-BS	7TCA302520R0002	8	6TON075M	155075M	6.0	35.0	100
25	25-BS	7TCA302520R0003	8.5	6TON085M	155085M	7.3	36.0	100
35	35-BS	7TCA302520R0004	11	6TON11M	15511M	8.9	36.0	100
50	50-BS	7TCA302530R0000	12	6TON12M	15512M	9.8	49.0	50
70	70-BS	7TCA302530R0001	14.5	6TON145M	155145M	12.2	52.0	50
95	95-BS	7TCA302530R0002	15	6TON15M	15515M	13.5	54.0	25
120	120-BS	7TCA302530R0003	18	6TON18M	15518M	15.2	57.0	25
150	150-BS	7TCA302540R0000	21	6TON21M	15521M	16.5	57.0	20
185	185-BS	7TCA302540R0001	23	6TON23M	15523M	18.6	61.0	20
240	240-BS	7TCA302540R0002	26		15526M	20.8	72.0	20
300	300-BS	7TCA302540R0003	29		15529M	23.5	75.0	10
400	400-BS	7TCA302540R0004	36		15536M	27.0	95.0	5

Color-Keyed® lugs

Quick guide

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60288



Color-Keyed® lugs	Type	Wire sizes in mm²													
		6	10	16	25	35	50	70	95	120	150	185	240	300	400
	One hole	Straight	x	x	x	x	x	x	x	x	x	x	x	x	x
		45°	x	x	x	x	x	x	x	x	x	x	x		
		90°	x	x	x	x	x	x	x	x	x	x	x		
	Two holes	Straight				x	x	x	x	x	x	x	x	x	

Color-Keyed® die selector

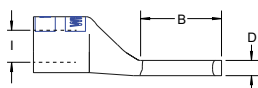
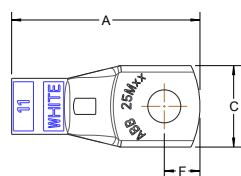
Quick guide

Conductor Size [mm²]	Color-Keyed®		
	Lug Part number	H-CK 240 B-CK 240 T-CK 240	H-CK 400 B-CK 400 T-CK 400
6	6Mx-A	6TON06M	
10	10Mx-A	6TON08M	15508M
16	16Mx-A	6TON09M	15509M
25	25Mx-A	6TON11M	15511M
35	35Mx-A	6TON13M	15513M
50	50Mx-A	6TON145M	155145M
70	70Mx-A	6TON17M	15517M
95	95Mx-A	6TON20M	15520M
120	120Mx-A	6TON22M	15522M
150	150Mx-A	6TON25M	15525M
185	185Mx-A	6TON27M	15527M
240	240Mx-A	6TON30M	15530M
300	300Mx-A		15532M
400	400Mx-A		15536M

* For other tools compatibility, please contact your ABB local contact or check our website for your local contact number

Color-Keyed® lugs

Copper / Straight – one hole type



Application

- Copper tin plated Metric Compression Lug for power cables for rated voltage up to 36kV. From 6 to 400 mm²
- Intended for electricity distribution or industrial networks in which they can be subjected to short-circuits of relatively high intensity and duration
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- Straight - one hole lug with Color-Keyed® technology (error-free installation)
- Hole inspection to ease installation control
- Short Circuit resistance*
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

②-⑤
60288



Nominal X-Section	Stud Bolt Size	Part Number	GID Number	Die selection				Dimensions						PCs per box
				Color code	Die code	Compression	Tooling	I	A	B	C	D	F	
[mm²]						H-CK 240 B-CK 240 T-CK 240	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
6	M4	6M4-A	7TAA302010R0054	Orange	6	6TON06M		4.0	24.3	11.0	9.4	1.7	5.0	50
	M5	6M5-A	7TAA302010R0057						25.3	12.0	9.4	1.7	5.5	
	M6	6M6-A	7TAA302010R0058						26.3	13.0	9.8	1.6	6.0	
	M8	6M8-A	7TAA302010R0055						29.3	16.0	13.0	1.2	7.0	
	M10	6M10-A	7TAA302010R0056						31.3	18.0	16.0	1.0	8.0	
10	M5	10M5-A	7TAA302010R0000	Purple	8	6TON08M	15508M	5.0	29.9	13.0	11.5	3.0	6.0	50
	M6	10M6-A	7TAA302010R0001						29.9	13.0	11.5	3.0	6.0	
	M8	10M8-A	7TAA302010R0002						32.9	16.0	13.5	2.2	7.0	
	M10	10M10-A	7TAA302010R0003						34.9	18.1	16.0	2.2	8.0	
16	M6	16M6-A	7TAA302010R0004	Yellow	9	6TON09M	15509M	60	33.0	16.0	13.0	3.0	7.0	50
	M8	16M8-A	7TAA302010R0005						33.0	16.0	13.0	3.0	7.0	
	M10	16M10-A	7TAA302010R0006						38.0	22.0	16.0	2.3	10.0	
	M12	16M12-A	7TAA302010R0007						47.0	25.0	22.0	2.3	12.0	
25	M6	25M6-A	7TAA302010R0008	White	11	6TON11M	15511M	8.0	37.0	17.0	16.0	3.0	7.0	50
	M8	25M8-A	7TAA302010R0009						38.0	18.0	16.0	3.0	8.0	
	M10	25M10-A	7TAA302010R0010						42.0	22.0	17.0	2.7	10.0	
	M12	25M12-A	7TAA302010R0011						47.0	25.0	22.0	2.7	12.0	
35	M6	35M6-A	7TAA302010R0012	Red	13	6TON13M	15513M	9.0	44.8	20.0	18.0	4.2	10.0	10
	M8	35M8-A	7TAA302010R0013						44.8	20.0	18.0	4.2	10.0	
	M10	35M10-A	7TAA302010R0014						45.8	21.0	18.0	4.2	10.0	
	M12	35M12-A	7TAA302010R0015						52.0	26.0	22.0	3.7	12.0	
50	M6	50M6-A	7TAA302010R0016	Blue	14.5	6TON145M	155145M	11.0	50.2	23.0	21.0	3.5	11.0	10
	M8	50M8-A	7TAA302010R0017						50.2	23.0	21.0	3.5	11.0	
	M10	50M10-A	7TAA302010R0018						50.2	23.0	21.0	3.5	11.0	
	M12	50M12-A	7TAA302010R0019						53.2	26.0	22.0	3.0	12.0	
70	M6	70M6-A	7TAA302010R0020	Brown	17	6TON17M	15517M	13.0	55.0	23.0	25.0	4.0	11.0	10
	M8	70M8-A	7TAA302010R0021						55.0	23.0	25.0	4.0	11.0	
	M10	70M10-A	7TAA302010R0022						55.0	23.0	25.0	4.0	11.0	
	M12	70M12-A	7TAA302010R0023						58.0	26.0	25.0	4.0	12.0	
	M16	70M16-A	7TAA302010R0024						64.0	32.0	28.0	3.7	15.0	

* Six short-circuits are applied after the 200th heat cycle (IEC 61238-1 total of 1000 Heat cycle test). The short-circuit current level shall be such that it raises the bare reference conductors from a temperature of ≤35 °C to a temperature between 250 °C and 270 °C

Color-Keyed® lugs

Copper / Straight – one hole type



Application

- Copper tin plated Metric Compression Lug for power cables for rated voltage up to 36kV. From 6 to 400 mm²
- Intended for electricity distribution or industrial networks in which they can be subjected to short-circuits of relatively high intensity and duration
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- Straight - one hole lug with Color-Keyed® technology (error-free installation)
- Hole inspection to ease installation control
- Short Circuit resistance*
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

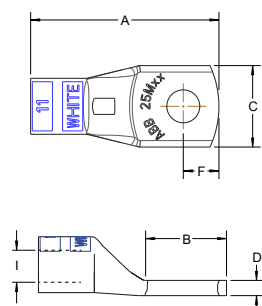
Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

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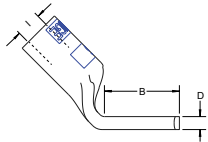
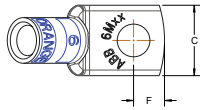


Nominal X-Section	Stud Bolt Size	Part Number	GID Number	Die selection				Dimensions						PCs per box
				Color code	Die code	Compression Tooling		I	A	B	C	D	F	
[mm ²]						H-CK 240 B-CK 240 T-CK 240	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
95	M8	95M8-A	7TAA302010R0025	Green	20	6TON20M	15520M	15.0	69.0	32.0	29.0	5.0	15.0	10
	M10	95M10-A	7TAA302010R0026						69.0	32.0	29.0	5.0	15.0	
	M12	95M12-A	7TAA302010R0027						69.0	32.0	29.0	5.0	15.0	
	M16	95M16-A	7TAA302010R0028						69.0	32.0	29.0	5.0	15.0	
120	M8	120M8-A	7TAA302010R0029	Pink	22	6TON22M	15522M	17.0	73.0	32.0	32.0	5.0	15.0	10
	M10	120M10-A	7TAA302010R0030						73.0	32.0	32.0	5.0	15.0	
	M12	120M12-A	7TAA302010R0031						73.0	32.0	32.0	5.0	15.0	
	M16	120M16-A	7TAA302010R0032						73.0	32.0	32.0	5.0	15.0	
150	M10	150M10-A	7TAA302010R0033	Black	25	6TON25M	15525M	19.0	80.0	32.0	36.0	6.0	15.0	10
	M12	150M12-A	7TAA302010R0034						80.0	32.0	36.0	6.0	15.0	
	M16	150M16-A	7TAA302010R0035						80.0	32.0	36.0	6.0	15.0	
	M20	150M20-A	7TAA302010R0036						87.0	39.0	36.0	6.0	19.0	
185	M10	185M10-A	7TAA302010R0037	Orange	27	6TON27M	15527M	21.0	86.0	32.0	39.0	6.0	15.0	6
	M12	185M12-A	7TAA302010R0038						86.0	32.0	39.0	6.0	15.0	
	M16	185M16-A	7TAA302010R0039						86.0	32.0	39.0	6.0	15.0	
	M20	185M20-A	7TAA302010R0040						93.0	39.0	39.0	6.0	19.0	
240	M10	240M10-A	7TAA302010R0041	Purple	30	6TON30M	15530M	24.0	95.0	39.0	44.0	6.0	19.0	6
	M12	240M12-A	7TAA302010R0042						24.0	39.0	44.0	6.0	19.0	
	M16	240M16-A	7TAA302010R0043						24.0	39.0	44.0	6.0	19.0	
	M20	240M20-A	7TAA302010R0044						24.0	39.0	44.0	6.0	19.0	
300	M10	300M10-A	7TAA302010R0045	Yellow	32		15532M	26.0	115.0	53.0	48.0	6.0	22.0	6
	M12	300M12-A	7TAA302010R0046						115.0	53.0	48.0	6.0	22.0	
	M16	300M16-A	7TAA302010R0047						115.0	53.0	48.0	6.0	22.0	
	M20	300M20-A	7TAA302010R0048						115.0	53.0	48.0	6.0	22.0	
400	M24	300M24-A	7TAA302010R0049	White	36		15536M	27.4	115.0	53.0	48.0	6.0	22.0	3
	M12	400M12-A	7TAA302010R0050						124.0	53.0	51.1	6.8	22.0	
	M16	400M16-A	7TAA302010R0051						124.0	53.0	51.1	6.8	22.0	
	M20	400M20-A	7TAA302010R0052						124.0	53.0	51.1	6.8	22.0	
	M24	400M24-A	7TAA302010R0053						124.0	53.0	51.1	6.8	22.0	

* Six short-circuits are applied after the 200th heat cycle (IEC 61238-1 total of 1000 Heat cycle test). The short-circuit current level shall be such that it raises the bare reference conductors from a temperature of ≤35 °C to a temperature between 250 °C and 270 °C

Color-Keyed® lugs

Copper / 45 degrees – one hole type



Application

- Copper tin plated Metric Compression Lug for power cables for rated voltage up to 36kV. From 6 to 240 mm²
- Intended for electricity distribution or industrial networks in which they can be subjected to short-circuits of relatively high intensity and duration
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- 45 degrees - one hole lug with Color-Keyed® technology (error-free installation)
- Hole inspection to ease installation control
- Short Circuit resistance*
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

②-⑤
60288

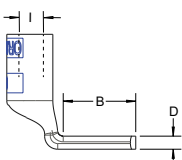
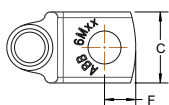


Nominal X-Section	Stud Bolt Size	Part Number	GID Number	Die selection				Dimensions					PCs per box
				Color code	Die code	Compression Tooling		I	B	C	D	F	
[mm²]						H-CK 240 B-CK 240 T-CK 240	H-CK 400 H-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	
6	M6	6M6-A-45	7TAA302030R0031	Orange	6	6TON06M		4.0	13.0	9.8	1.6	6.0	100
	M8	6M8-A-45	7TAA302030R0032						16.0	13.0	1.2	7.0	
10	M6	10M6-A-45	7TAA302030R0004	Purple	8	6TON08M	15508M	5.0	13.0	11.5	3.0	6.0	50
	M8	10M8-A-45	7TAA302030R0005						16.0	13.5	2.2	7.0	
16	M6	16M6-A-45	7TAA302030R0006	Yellow	9	6TON09M	15509M	6.0	16.0	13.0	3.0	7.0	50
	M8	16M8-A-45	7TAA302030R0007						16.0	13.0	3.0	7.0	
25	M6	25M6-A-45	7TAA302030R0008	White	11	6TON11M	15511M	8.0	17.0	16.0	3.0	7.0	50
	M8	25M8-A-45	7TAA302030R0009						18.0	16.0	3.0	8.0	
	M10	25M10-A-45	7TAA302030R0010						22.0	17.0	2.7	10.0	
35	M6	35M6-A-45	7TAA302030R0011	Red	13	6TON13M	15513M	9.0	20.0	18.0	4.2	10.0	10
	M8	35M8-A-45	7TAA302030R0012						20.0	18.0	4.2	10.0	
	M10	35M10-A-45	7TAA302030R0013						21.0	18.0	4.2	10.0	
50	M8	50M8-A-45	7TAA302030R0015	Blue	14.5	6TON145M	155145M	11.0	23.0	21.0	3.5	11.0	10
	M10	50M10-A-45	7TAA302030R0014						23.0	21.0	3.5	11.0	
	M12	50M12-A-45	7TAA302030R0000						26.0	22.0	3.0	12.0	
70	M8	70M8-A-45	7TAA302030R0026	Brown	17	6TON17M	15517M	13.0	23.0	25.0	4.0	11.0	10
	M10	70M10-A-45	7TAA302030R0027						23.0	25.0	4.0	11.0	
	M12	70M12-A-45	7TAA302030R0016						26.0	25.0	4.0	12.0	
95	M10	95M10-A-45	7TAA302030R0001	Green	20	6TON20M	15520M	15.0	32.0	29.0	5.0	15.0	10
	M12	95M12-A-45	7TAA302030R0002						32.0	29.0	5.0	15.0	
	M16	95M16-A-45	7TAA302030R0003						32.0	29.0	5.0	15.0	
120	M10	120M10-A-45	7TAA302030R0017	Pink	22	6TON22M	15522M	17.0	32.0	32.0	5.0	15.0	10
	M12	120M12-A-45	7TAA302030R0018						32.0	32.0	5.0	15.0	
	M16	120M16-A-45	7TAA302030R0019						32.0	32.0	5.0	15.0	
150	M10	150M10-A-45	7TAA302030R0020	Black	25	6TON25M	15525M	19.0	32.0	36.0	6.0	15.0	10
	M12	150M12-A-45	7TAA302030R0021						32.0	36.0	6.0	15.0	
	M16	150M16-A-45	7TAA302030R0022						32.0	36.0	6.0	15.0	
185	M10	185M10-A-45	7TAA302030R0023	Orange	27	6TON27M	15527M	21.0	32.0	39.0	6.0	15.0	6
	M12	185M12-A-45	7TAA302030R0024						32.0	39.0	6.0	15.0	
	M16	185M16-A-45	7TAA302030R0025						32.0	39.0	6.0	15.0	
240	M10	240M10-A-45	7TAA302030R0028	Purple	30	6TON30M	15530M	24.0	39.0	44.0	6.0	19.0	6
	M12	240M12-A-45	7TAA302030R0029						39.0	44.0	6.0	19.0	
	M16	240M16-A-45	7TAA302030R0030						39.0	44.0	6.0	19.0	

* Six short-circuits are applied after the 200th heat cycle (IEC 61238-1 total of 1000 Heat cycle test). The short-circuit current level shall be such that it raises the bare reference conductors from a temperature of ≤35 °C to a temperature between 250 °C and 270 °C

Color-Keyed® lugs

Copper / 90 degrees – one hole type



Application

- Copper tin plated Metric Compression Lug for power cables for rated voltage up to 36kV. From 6 to 240 mm²
- Intended for electricity distribution or industrial networks in which they can be subjected to short-circuits of relatively high intensity and duration
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- 90 degrees - one hole lug with Color-Keyed® technology (error-free installation)
- Hole inspection to ease installation control
- Short Circuit resistance*
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

②-⑤
60288

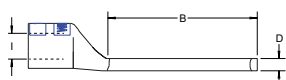
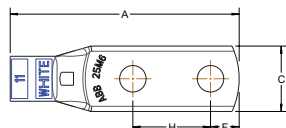


Nominal X-Section	Stud Bolt Size	Part Number	GID Number	Die selection			Dimensions					PCs per box
				Color code	Die code	Compression Tooling	I	B	C	D	F	
[mm ²]						H-CK 240 B-CK 240 T-CK 240 H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	
6	M6	6M6-A-90	7TAA302040R0031	Orange	6	6TON06M	4.0	13.0	9.8	1.6	6.0	100
	M8	6M8-A-90	7TAA302040R0032					16.0	13.0	1.2	7.0	
10	M6	10M6-A-90	7TAA302040R0000	Purple	8	6TON08M	5.0	13.0	11.5	3.0	6.0	50
	M8	10M8-A-90	7TAA302040R0001					16.0	13.5	2.2	7.0	
16	M6	16M6-A-90	7TAA302040R0002	Yellow	9	6TON09M	6.0	16.0	13.0	3.0	7.0	50
	M8	16M8-A-90	7TAA302040R0003					16.0	13.0	3.0	7.0	
25	M6	25M6-A-90	7TAA302040R0004	White	11	6TON11M	8.0	17.0	16.0	3.0	7.0	50
	M8	25M8-A-90	7TAA302040R0005					18.0	16.0	3.0	8.0	
	M10	25M10-A-90	7TAA302040R0006					22.0	17.0	2.7	10.0	
35	M6	35M6-A-90	7TAA302040R0007	Red	13	6TON13M	9.0	20.0	18.0	4.2	10.0	10
	M8	35M8-A-90	7TAA302040R0008					20.0	18.0	4.2	10.0	
	M10	35M10-A-90	7TAA302040R0009					21.0	18.0	4.2	10.0	
50	M8	50M8-A-90	7TAA302040R0010	Blue	14.5	6TON145M	11.0	23.0	21.0	3.5	11.0	10
	M10	50M10-A-90	7TAA302040R0011					23.0	21.0	3.5	11.0	
	M12	50M12-A-90	7TAA302040R0030					26.0	22.0	3.0	12.0	
70	M8	70M8-A-90	7TAA302040R0012	Brown	17	6TON17M	13.0	23.0	25.0	4.0	11.0	10
	M10	70M10-A-90	7TAA302040R0013					23.0	25.0	4.0	11.0	
	M12	70M12-A-90	7TAA302040R0026					26.0	25.0	4.0	12.0	
95	M10	95M10-A-90	7TAA302040R0014	Green	20	6TON20M	15.0	32.0	29.0	5.0	15.0	10
	M12	95M12-A-90	7TAA302040R0015					32.0	29.0	5.0	15.0	
	M16	95M16-A-90	7TAA302040R0016					32.0	29.0	5.0	15.0	
120	M10	120M10-A-90	7TAA302040R0017	Pink	22	6TON22M	17.0	32.0	32.0	5.0	15.0	10
	M12	120M12-A-90	7TAA302040R0018					32.0	32.0	5.0	15.0	
	M16	120M16-A-90	7TAA302040R0019					32.0	32.0	5.0	15.0	
150	M10	150M10-A-90	7TAA302040R0020	Black	25	6TON25M	19.0	32.0	36.0	6.0	15.0	10
	M12	150M12-A-90	7TAA302040R0021					32.0	36.0	6.0	15.0	
	M16	150M16-A-90	7TAA302040R0022					32.0	36.0	6.0	15.0	
185	M10	185M10-A-90	7TAA302040R0027	Orange	27	6TON27M	21.0	32.0	39.0	6.0	15.0	6
	M12	185M12-A-90	7TAA302040R0028					32.0	39.0	6.0	15.0	
	M16	185M16-A-90	7TAA302040R0029					32.0	39.0	6.0	15.0	
240	M10	240M10-A-90	7TAA302040R0023	Purple	30	6TON30M	24.0	39.0	44.0	6.0	19.0	6
	M12	240M12-A-90	7TAA302040R0024					39.0	44.0	6.0	19.0	
	M16	240M16-A-90	7TAA302040R0025					39.0	44.0	6.0	19.0	

* Six short-circuits are applied after the 200th heat cycle (IEC 61238-1 total of 1000 Heat cycle test). The short-circuit current level shall be such that it raises the bare reference conductors from a temperature of ≤35 °C to a temperature between 250 °C and 270 °C

Color-Keyed® lugs

Copper/Straight - two hole type



Application

- Copper tin plated Metric Compression Lug for power cables for rated voltage up to 36kV. From 25 to 300 mm²
- Intended for electricity distribution or industrial networks in which they can be subjected to short-circuits of relatively high intensity and duration
- Specially designed to accommodate both stranded (class 2) and flexible (class 5) power cables according to IEC 60228

Characteristics

- Straight - two holes lug with Color-Keyed® technology (error-free installation)
- Hole inspection to ease installation control
- Short Circuit resistance*
- Chamfer barrel to assist installation work

Material

- Copper. Comply to EN13600

Surface

- Tin plated

Certification

- Comply to IEC 61238 - CE declaration

②-⑤
60288



Nominal X-Section	Stud Bolt Size	Part Number	GID Number	Die selection				Dimensions							PCs per box
				Color code	Die code	Compression Tooling	I	A	B	C	D	F	H		
[mm²]						H-CK 240 B-CK 240 T-CK 240	H-CK 400 B-CK 400 T-CK 400	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
25	M6	25M6-A-2	7TAA302020R0000	White	11	6TON11M	15511M	8.0	56.0	38.0	16.0	3.0	7.0	19.0	50
	M8	25M8-A-2	7TAA302020R0001						66.0	48.0	16.0	3.0	10.0	25.0	
35	M6	35M6-A-2	7TAA302020R0002	Red	13	6TON13M	15513M	9.0	61.6	38.0	18.0	4.2	7.0	19.0	50
	M8	35M8-A-2	7TAA302020R0003						71.7	48.0	18.0	4.2	10.0	25.0	
50	M10	50M10-A-2	7TAA302020R0004	Blue	14.5	6TON145M	155145M	11.0	73.7	46.9	21.0	3.5	8.9	25.0	10
	M12	50M12-A-2	7TAA302020R0005						96.7	70.0	22.0	3.5	15.0	40.0	
70	M10	70M10-A-2	7TAA302020R0006	Brown	17	6TON17M	15517M	13.0	80.6	49.0	25.0	4.0	11.0	25.0	10
	M12	70M12-A-2	7TAA302020R0007						101.7	70.0	25.0	4.0	15.0	40.0	
95	M10	95M10-A-2	7TAA302020R0008	Green	20	6TON20M	15520M	15.0	90.0	53.0	29.0	5.0	11.0	25.0	10
	M12	95M12-A-2	7TAA302020R0009						110.0	73.0	40.0	5.0	15.0	40.0	
120	M10	120M10-A-2	7TAA302020R0010	Pink	22	6TON22M	15522M	17.0	98.0	57.0	32.0	5.0	14.0	25.0	10
	M12	120M12-A-2	7TAA302020R0011						104.0	63.0	32.0	5.0	14.0	40.0	
150	M10	150M10-A-2	7TAA302020R0012	Black	25	6TON25M	15525M	19.0	102.6	55.0	36.0	6.0	11.0	25.0	10
	M12	150M12-A-2	7TAA302020R0013						120.7	73.0	36.0	6.0	14.0	40.0	
185	M10	185M10-A-2	7TAA302020R0014	Orange	27	6TON27M	15527M	21.0	111.0	57.0	39.0	6.0	13.0	25.0	6
	M12	185M12-A-2	7TAA302020R0015						128.6	75.0	39.0	6.0	15.0	40.0	
240	M10	240M10-A-2	7TAA302020R0016	Purple	30	6TON30M	15530M	24.0	115.0	59.0	44.0	6.0	12.0	25.0	6
	M12	240M12-A-2	7TAA302020R0017						130.0	74.3	44.0	6.0	13.0	40.0	
300	M10	300M10-A-2	7TAA302020R0019	Yellow	32	6TON32M	15532M	26.0	119.0	57.0	48.0	6.0	12.0	25.0	6
	M12	300M12-A-2	7TAA302020R0018						137.1	75.0	48.0	6.0	15.0	40.0	

* Six short-circuits are applied after the 200th heat cycle (IEC 61238-1 total of 1000 Heat cycle test). The short-circuit current level shall be such that it raises the bare reference conductors from a temperature of ≤35 °C to a temperature between 250 °C and 270 °C

Color-Keyed® lugs

Quick guide AWG copper lugs & splices



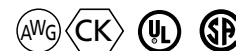
Standard barrel	Long barrel	Type	Wire sizes																							
			#10–14 AWG	#8 AWG	#6 AWG	#4 AWG	#3 AWG	#2 AWG	#1 AWG	1/0 AWG	2/0 AWG	3/0 AWG	4/0 AWG	250kcmil	300kcmil	350kcmil	400kcmil	500kcmil	600kcmil	700kcmil	750kcmil	800kcmil	900kcmil	1000kcmil		
		One hole	Straight	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
			45°		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
			90°		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
			Narrow tongue Straight				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
			Narrow tongue 45°				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
		Two holes	Straight	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
			45°		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
			90°	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x					
			Narrow tongue Straight				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
		Butt splice			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		

For other tools compatibility, please contact your ABB local contact or check our website for your local contact number

<http://new.abb.com/low-voltage/products/connectivity-grounding>

Color-Keyed® lugs

Quick guide AWG aluminium lugs & splices



Standard barrel	Type	Wire sizes																						
		#10-14 AWG	#8 AWG	#6 AWG	#4 AWG	#3 AWG	#2 AWG	#1 AWG	1/0 AWG	2/0 AWG	3/0 AWG	4/0 AWG	250kcmi	300kcmi	350kcmi	400kcmi	500kcmi	600kcmi	700kcmi	750kcmi	800kcmi	900kcmi	1000kcmi	
	One hole	Straight	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
		Narrow tongue Straight				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
	Two holes	Straight								x	x	x	x	x	x	x	x	x	x	x	x	x	x	
		Butt splice	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	

Color-Keyed® lugs

Quick guide AWG cast copper lugs & splices

Standard barrel	Type		Wire sizes																					
			#10-14 AWG	#8 AWG	#6 AWG	#4 AWG	#3 AWG	#2 AWG	#1 AWG	1/0 AWG	2/0 AWG	3/0 AWG	4/0 AWG	250kcmi	300kcmi	350kcmi	400kcmi	500kcmi	600kcmi	700kcmi	750kcmi	800kcmi	900kcmi	1000kcmi
	One hole	Straight		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
	Two holes	Straight	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
		Butt splice			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			

For other tools compatibility, please contact your ABB local contact or check our website for your local contact number

Tools and accessories

Compression tools, dies, pumps and accessories

The ABB compression tools with matching dies forms the lug and conductor into a solid, homogenous mass to provide an optimum electrical bond between lug and conductor.

Tools and accessories

Hydraulic compression tools – Battery powered



Battery Hydraulic Compression Tool Set

Product Ref.: B-CK 240
GID Number: 7TCA131530R0001

Characteristics

- Useable dies: 6 tons series
- Crimping range: 6-240 mm²
- Crimping force: 52 kN
- Weight: 2.3 kg without battery
- Length: 455 mm
- Scope of delivery: Tool, 2 batteries Bat-Li34, Charger BatC-230, Carrying case



Battery Hydraulic Compression Tool Set

Product Ref.: B-CK 400
GID Number: 7TCA131530R0002

Characteristics

- Useable dies: 155 series
- Crimping range: 10-400 mm²
- Crimping force: 140 kN
- Weight: 4.9 kg without battery
- Length: 330 mm
- Scope of delivery: Tool, 2 batteries Bat-Li34, Charger BatC-230 MC, carrying case with die box



Tools and accessories

Hydraulic compression tools – Hand and remote head



Manual Hydraulic Compression Tool

Product Ref.: H-CK 240
GID Number: 7TCA131530R0014

Characteristics

- Useable dies: 6 tons series
- Crimping range: 6 - 240 mm²
- Crimping force: 52 kN
- Weight: 2.8 kg
- Length: 480 mm



Manual Hydraulic Compression Tool

Product Ref.: H-CK 400
GID Number: 7TCA131530R0000

Characteristics

- Useable dies: 155 series
- Crimping range: 10-400 mm²
- Crimping force: 106 kN
- Weight: 6.2 kg
- Length: 580 mm



Remote-Head Hydraulic Compression Tool

Product Ref.: T-CK 240
GID Number: 7TCA131530R0003

Characteristics

- Useable dies: 6 tons series
- Crimping range: 6 - 240 mm²
- Crimping force: 55 kN
- Weight: 1.72 kg
- Length: 260 mm
- Operating pressure: 700 bar



Remote-Head Hydraulic Compression Tool

Product Ref.: T-CK 400
GID Number: 7TCA131530R0004

Characteristics

- Useable dies: 155 series
- Crimping range: 10 - 400 mm²
- Crimping force: 108 kN
- Weight: 3.6 kg
- Length: 285 mm
- Operating pressure: 700 bar



Tools and accessories

Dies and die selector



155-series Set die for Metric Compression Lugs

Product Ref.: 155xxM

Characteristics

- Compatible with B-CK 400 / H-CK 400 / T-CK 400*
- From 10 to 400 mm². Comply to IEC 61238
- Available for metric Color-Keyed® and Spec-Kon®



6 ton-series Set die for Metric Compression Lugs

Product Ref.: 6tonxxM

Characteristics

- Compatible with B-CK 240 / H-CK 240 / T-CK 240*
- From 6 to 240 mm². Comply to IEC 61238
- Available for metric Color-Keyed® and Spec-Kon®

Conductor Size		Color-Keyed®			Spec-Kon®	
[mm ²]	Lug Part number	H-CK 240 B-CK 240 T-CK 240	H-CK 400 B-CK 400 T-CK 400	Lug Part number	H-CK 240 B-CK 240 T-CK 240	H-CK 400 B-CK 400 T-CK 400
6	6Mx-A	6TON06M		6Mx	6TON06M	
10	10Mx-A	6TON08M	15508M	10Mx	6TON07M	15507M
16	16Mx-A	6TON09M	15509M	16Mx	6TON075M	155075M
25	25Mx-A	6TON11M	15511M	25Mx	6TON085M	155085M
35	35Mx-A	6TON13M	15513M	35Mx	6TON11M	15511M
50	50Mx-A	6TON145M	155145M	50Mx	6TON12M	15512M
70	70Mx-A	6TON17M	15517M	70Mx	6TON145M	155145M
95	95Mx-A	6TON20M	15520M	95Mx	6TON15M	15515M
120	120Mx-A	6TON22M	15522M	120Mx	6TON18M	15518M
150	150Mx-A	6TON25M	15525M	150Mx	6TON21M	15521M
185	185Mx-A	6TON27M	15527M	185Mx	6TON23M	15523M
240	240Mx-A	6TON30M	15530M	240Mx		15526M
300	300Mx-A		15532M	300Mx		15529M
400	400Mx-A		15536M	400Mx		15536M

* For other tools compatibility, please contact your ABB local contact

Tools and accessories

Hydraulic cutting tools – Battery, hand and remote head



Battery Cutting Tool Set

Product Ref.: B-Cut 50
GID Number: 7TCA131530R0006

Characteristics

- Cutting capacity: max. 50 mm
- Cutting force: 25 kN
- Weight: 2.1 kg less battery
- Length: 355 mm
- Application: non-ferrous/ideally suited for cutting fine stranded conductors
- Features: electronic overload protection and safety control lever
- Scope of delivery: Tool, 2 batteries Bat-Li34, Charger BatC-230, Carrying case



Hand Cutting Tool Set

Product Ref.: H-Cut 22
GID Number: 7TCA131530R0005

Characteristics

- Cutting capacity: max. 22 mm
- Cutting force: 39 kN
- Weight: 2.8 kg
- Length: 390 mm
- Application: steel



Remote-Head Cutting Tool Set

Product Ref.: T-Cut 20
GID Number: 7TCA131530R0007

Characteristics

- Cutting capacity: max. 40 mm
- Cutting force: 76 kN
- Weight: 4 kg
- Length: 340 mm
- Application: steel
- Operating pressure: 700 bar



Tools and accessories

Hydraulic pumps



Mobile Battery Operated Hydraulic Pump Set

Product Ref.: M-Pump 1300
GID Number: 7TCA131530R0008

Characteristics

- Oil delivery: 1.300 ml/min (low pressure) 200 ml/ min (high pressure)
- Oil filling: 600ml (400ml useable)
- Principle: two parallel working 2-step piston pumps with rapid advance
- Power supply: 14.4 V battery (LiA-34) (useable with one or two batteries)
- Hydraulic connection: Coupling Cejn series 115
- Dimensions (LxWxH): 380 x 205 x 240 mm
- Weight: 7.7 kg less battery
- Working pressure 700bar (can be set from 150 - 850 bar by the manufacturer)
- Features: - wired remote control 5m (included) - rotatable hydraulic coupling
- Scope of delivery: - Mobile pump - 2 batteries Bat-Li 34 - 2 charger BatC-230



Mobile Battery Operated Hydraulic Pump Set

Product Ref.: F-Pump 400
GID Number: 7TCA131530R0009

Characteristics

- Oil delivery: 0.4 l/min
- Operating pressure: 700 bar (adjusted)
- Weight: 15.7 kg
- Dimensions (LxWxH): 230 x 230 x 395 mm
- Oil fill: 1.2 l (0.8 l serviceable)
- Power supply: 230 V~ (370 W)
- Operation: one-hand remote control with touch control
- Hose coupling: CEJN-coupling series 115
- Options: adjustable pump pressure from 150 to 850 bar by manufacturer
- Included in delivery: Electrohydraulic Fixed Pump, Quick coupling, Foot switch (if requested)
- There is no hose included in this item.



Tools and accessories

Accessories



Battery Charger

Product Ref.: BatC-230

GID Number: 7TCA131530R0011

Characteristics

- For recharge of BatC-230
- Power supply: 230 V / 50 Hz
- Weight: 0.5 kg
- Measures (L x W x H): 150 x 85 x 75 mm
- Recharge time: Lilon (3,3 Ah) approx. 75 min.
- NiCd (2,0 Ah) approx. 45 min.
- NiMH (3,0 Ah) approx. 90 min



Li-Ion Battery

Product Ref.: Bat-Li 34

GID Number: 7TCA131530R0010

Characteristics

- Technology: Lithium Ion
- Voltage: 14.4 V
- Capacity: 3.3 Ah
- Measures (L x W x H): 110 x 70 x 130 mm
- Weight: 0.56 kg
- Charging time: approx. 75 min.
- Useable Charger: BatC-230



Power Supply for battery tower compression tool

Product Ref.: Power-230

GID Number: 7TCA131530R0012

Characteristics

- Input: 220 - 240 V ca. 50-60 Hz 70 W - 800 W
- Output: 14.4 V - 5-60A
- Connection cable: 5 m
- Weight: 0.8 kg



Hydraulic Hose 3 m

Product Ref.: HydT-3

GID Number: 7TCA131530R0013

Characteristics

- Hose with Oilfill including coupling system (Nipple and coupler)
- Length of hose: 3 m
- Working pressure max. 1000 bar
- Coupling system Cejn Series 115

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