

PRODUCT INFORMATION

Lithium Ion Battery Tools

Installation of compression lugs on power cables



Tooling for compression power cable lugs

The ABB method is better



Lithium ion technology

Powered to perform the most difficult cuts and crimps

With lighter weight, longer run time, minimal discharge, rapid recharge and no memory effect, the 14.4V lithium-ion battery keeps you going longer. Combine that stamina with the visual indication of complete crimp compression, and the ABB lithium ion battery elevates compression connections to a new standard.

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.



Die code embossed

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 selector

Quick guide

Conductor Size [mm ²]	Lug Part number	Color-Keyed [®]	
		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

Conductor Size [mm ²]	Lug Part number	Spec-Kon [®]	
		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

BAT-Li 34 — Li-ion battery

Powerful battery for multiple tools



Product Ref.
GID Number

Bat-Li 34
7TCA131530R0010



Interchangeable
Powerful

- Batteries interchangeable with multiple tools
- 30-amp power delivery specially designed for crimping tools
- 3.3Ah capacity delivers more cuts and crimps per charge
- Low 4% discharge rate delivers on-demand power. About 2/3 full charge remains after 12 months of storage
- Working range from -20°C to +40°C

All-season use

M-Pump 1300

Hydraulics speed crimping and cutting



Product Ref.
GID Number

M-Pump 1300
7TCA131530R0008



High Speed

- Double independent pump drive delivers short crimp and cut times

Powerful

- Double BAT-Li34 batteries deliver 6.6 Ah capacity. More than 100 crimps per charge

Simple, flexible handling

- Remote control and swivel-mounted standard hydraulic coupling ease operation. Flexible oil tank allows use in any direction, including overhead. Working pressure can be set from 150 to 850 bar by the manufacturer to client specifications. Works with common cutting and crimping heads.

Easy maintenance

- Oil tank can be opened with a coin for refill.

Interchangeable power supply

- Batteries interchangeable with multiple tools.

All-season use

- Working range from -20°C to +40°C

Remote-Head Hydraulic Compression Tool

Hydraulic compression tools – Hand and remote head



T-CK 240

Product Ref.
GID Number

T-CK 240
7TCA131530R0003

T-CK 400
7TCA131530R0004

Useable dies

6 tons series

155 series

Crimping range

6 - 240 mm²

10 - 400 mm²

Crimping force

55 kN

108 kN

Weight

1.72 kg

3.6 kg

Length

260 mm

285 mm

Operating pressure

700 bar

700 bar



T-CK 400



B-Cut 50 Cutter

Lightweight, powerful cutting



Product Ref.
GID Number

B-Cut 50
7TCA131530R0006



Lightweight, ergonomic
Broad application

Built-in damage protection

Interchangeable power
supply

- 2.1 kg unit allows one-handed operation
- Works well for 4 by 185 mm² aluminum, 4 by 150 mm² copper and round conductors up to 630 mm² copper or aluminum
- Overload protection shuts off automatically if cutting load is too high
- Batteries interchangeable with multiple tools

B-CK 240 Crimper

Big jobs in tight spaces



Product Ref.
GID Number

B-CK 240
7TCA131530R0001



Compact, lightweight
and ergonomic

Powerful
Full-control operation

Interchangeable power
supply

- One-handed operation with stick shape and small rotatable heads, ideal for working in narrow switch cabinets and other tight spaces. LED light illuminates working area
- Double-piston hydraulic drive works fast, lengthens service life
- Quick-stop feature allows operator to stop crimp process at any time. Piston can be reversed manually
- Batteries interchangeable with multiple tools

B-CK 400 Crimper

Compact tool for the biggest jobs



Product Ref.
GID Number

B-CK 400
7TCA131530R0002



Full-control

Compact and ergonomic

Fast, powerful, secure

Interchangeable power
supply

- Quick-stop button with manual reverse allows for precise corrections and serial crimps. ELWA basic[®] function controls quality of crimp and battery status
- Lightweight, well-balanced design allows for one-handed use. Small, rotatable crimping head fits into tight spaces
- Two-step hydraulics speed crimping time
- Crimping die locks prevent shifting or loss
- Batteries interchangeable with multiple tools

—

ABB b.v.

Electrification Products
George Hintzenweg 81
NL-3068 AX Rotterdam
Tel.: +31 (0)88 2600 900

www.abb.nl/lowvoltage

ABB n.v.

Hoge Wei 27
B - 1930 Zaventem
België

www.abb.be

<http://new.abb.com/low-voltage/nl/producten/draad-en-kabelmanagement>

