

MAGAZINE
SPECIAL POWER

**SAFE SOLUTIONS FOR CUTTING,
CONNECTING & LABELLING**
OVERHEAD TRANSMISSION LINES
DISTRIBUTION UNDERGROUND

SPECIAL POWER

**SAFE SOLUTIONS FOR CUTTING,
CONNECTING & LABELLING**
SUBSTATIONS AND CABIN'S
GROUNDING SYSTEMS

SPECIAL POWER

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A SOLUTION FOR EVERY APPLICATION FULL EQUIPMENT FOR CABLING

WHAT CEMBRE OFFERS

Making the right connection in an industrial, domestic or utility environment is a job that requires knowledge and skill, precision and adequate tooling.

Making the right connections is our motto at CEMBRE. Every product and every tool is designed to guarantee the user the best solutions in terms of **cutting, compression, connection and marking of wires and conductors.**

CEMBRE offers a wide range of ideal solutions for these types of applications in low, medium and high voltage electricity transmission and distribution infrastructures.

There are three main applications covered by the CEMBRE catalogue:

- **Overhead power distribution lines**
- **Underground power distribution lines**
- **Transmission networks**

In addition to products of the highest quality and technology, CEMBRE solutions also feature a particularly extensive range and superior flexibility.



CRIMPING
CUTTING
PUNCHING
PIERCING

CONNECTION SYSTEMS



Connectors

Tools

Dies

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CUT, CRIMP, IDENTIFY AND LIGHT WITH UNIQUE BATTERY PLATFORM

**ONE BATTERY
PLATFORM
18V**



CBLIGHT

CBLIGHT HD
Portable LED
Lights

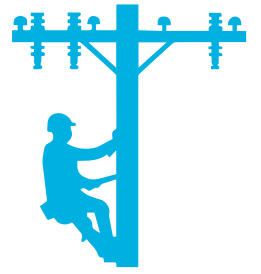
 **Bluetooth®**



The new **CEMBRE SERIES CBLIGHT HD** includes a wide range of work lights and lamps that are **built to work and last**. **CBLIGHT HD** work lamps are designed to ensure **extreme durability and performance**. All products in the range are robust and **capable of operating reliably in very harsh working environments**, in which both professional operators and their tools are exposed to extreme conditions such as moisture and contaminants. **The lamps are IP65 rated** to ensure use in a variety of environments.

WHAT CEMBRE OFFERS

HIGH VOLTAGE OVERHEAD LINE HIGH VOLTAGE SOLUTIONS FOR CUTTING AND CONNECTING



OVERHEAD DISTRIBUTION LINES

High voltage electric transmission networks use conductors with large diameters and cross sectional areas. Cutting and compressing these large conductors requires tools of high performance and power. The CEMBRE catalogue offers a range of pumps and heads for compressing and cutting this type of conductor, in aluminium and aluminium-steel. The assembly B70M-P36 battery pump and RHU520, RHU600 and RHU1000 compression heads are an example of a high-performance CEMBRE system comprising of a hydraulic battery pump and compression heads, reaching compression forces up to 100 t.

B-TC500Y

18.0 V CORDLESS HYDRAULIC CUTTING TOOL, specifically designed to cut Copper, Aluminum, Aluminum-Steel conductors (ACSR) having Ø max 50 mm

B-TC550

18.0 V CORDLESS HYDRAULIC CUTTING TOOL, specifically designed to cut Copper and Aluminium conductors as well as telecommunication cables having Ø max 55 mm

HT-TC041N

HYDRAULIC CUTTING TOOL, specifically designed to cut Copper, Aldrey, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having Ø max 45 mm

RHU600

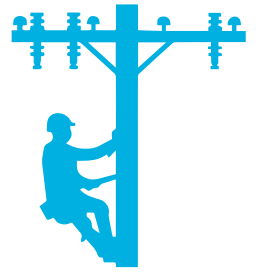
HYDRAULIC PRESSHEAD suitable for the installation of electrical compression connectors. Crimping force up to 600 kN

RHU520

HYDRAULIC PRESSHEAD suitable for the installation of electrical compression connectors. Crimping force up to 520 kN



MEDIUM VOLTAGE OVERHEAD LINES COMPLETE SYSTEM FOR CUTTING AND CONNECTING



CUTTING

CMB4N



CMB5N



CMB6N



CRIMPING

CDD6N



CDD6-6N



CDD6-8N



Interchangeable Jaws

Many different CEMBRE interchangeable crimping and cutting jaws are available upon request

B540ND6

Battery-powered hydraulic tool for use with interchangeable jaws



A unique and ergonomic solution for cutting and crimping

ELECTRO-HYDRAULIC PUMPS ROBUST AND POWERFUL B70M-P36 / B70M-P36-CH

Pumps **B70M-P36** and **B70M-P36-CH** are powered by a high capacity rechargeable battery providing independence and portability. Extremely compact and suitable for a wide range of applications. The new design and ergonomic weight distribution allows the pump to be easily handled during use. Quieter operation, and the absence of vibrations ensure maximum operator comfort. The CEMBRE logo acts as an indicator by changing colour to provide the operator with instantaneous visual confirmation of the pumps status, such as; pump ready, pump in use, end of cycle, cycle error, anomaly, maintenance required.

Special for
**OVERHEAD
LINE**



EN 60529

B70M-P36

PORTABLE ELECTRO-HYDRAULIC PUMP 36V battery for independent use, developing 700 bar pressure

HIGH CRIMPING RANGE

ECW-H3D (10-630 mm²)
RHU520 (10-1200 mm²)
RHU600 (up to 600 kN)



CRIMPING

RH50 (6-300 mm²)
RH60C (6-300 mm²)
RHC131 (10-400 mm²)
RHU131-C (10-400 mm²)



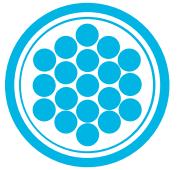
CUTTING

TC025 (Ø25 mm)
TC04N (Ø45 mm)
TC050Y (Ø50 mm)
TC065-SC (Ø65 mm)

TC085 (Ø85 mm)
TC096 (Ø95 mm)
TC120 (Ø120 mm)



OVERHEAD TRANSMISSION LINES



B68RC3

PORTABLE BATTERY HYDRAULIC CUTTING UNITS, **radio controlled for remote cutting operations.**

The heart of each unit is the new portable pump B68M-P18-KV-RC3, battery operated for independent use. Having the inherent strengths of the CEMBRE 18V tool range, the

B68M-P18-KV-RC3 is a lightweight high capacity pump equipped with an **innovative radio remote control** designed specifically for man-hole environments to allow operators to control and operate the pump out of the man-hole at a **safe distance.**



10m
high
pressure
hose

Available types	Max cutting Ø mm
B68RC3-85	85
B68RC3-96	95
B68RC3-120	120

Special
RADIO
CONTROLLED

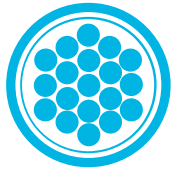


B68M-P18-KV-RC1

PORTABLE BATTERY INSULATED HYDRAULIC PUMP, **radio controlled**, 18.0V battery for independent use, developing 700 bar pressure

The B68M-P18-KV-RC1 is a lightweight high capacity pump equipped with an **innovative radio remote control** designed specifically for man-hole environments to allow operators to **control and operate the pump out of the man-hole at a safe distance.**





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SPECIAL SAFETY CUTTING



HB12N
FOR VULCANIZED EXTRUDED SEMICONDUCTOR.
Safe and convenient, it can be used on conductors with a semi-con diameter between 18 - 60 mm.



HB23
ROUND CABLE CUTTING SYSTEM WITH INTELLIGENT, INTERCHANGEABLE BRACKET.
Supplied as standard with brackets for conductors No. 28 and 35, for the most common conductors types from 8 to 35 mm Ø.

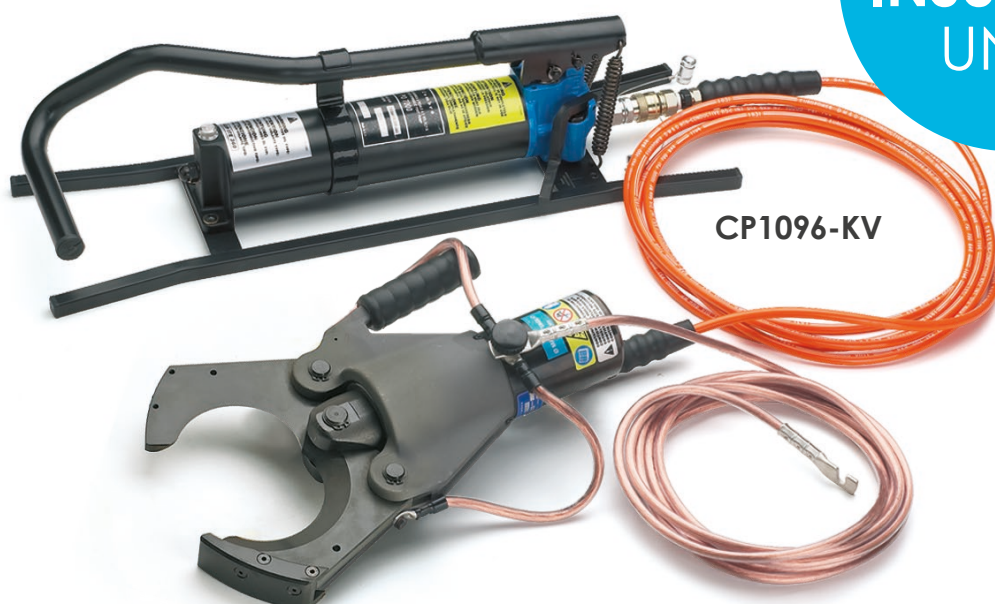


B-TC950
18.0 V CORDLESS HYDRAULIC CUTTING TOOL, specifically designed to cut Copper and Aluminium conductors as well as telecommunication cables having Ø max 95 mm



B-TC320ND
18.0 V CORDLESS HYDRAULIC CUTTING TOOL, specifically designed to cut Copper, Aldrey, Aluminium, Aluminium-Steel conductors and Steel ropes, Aluminium and Steel rods having Ø max 32 mm

CP1096-KV
HYDRAULIC CUTTER INSULATED, Insulated cutter suitable for LV / MV works where there may be a risk of an operating voltage (Max voltage 60kV).



CP1096-KV

CP1300P-96-KV

CUTTING INSULATED UNITS

CP1300P-KV
PORTABLE BATTERY HYDRAULIC CUTTING UNITS.
This insulated units are composed of 2 elements, the pump common to all cutting heads, and the heads. The battery-powered pump for autonomous use is among the

lightest on the market; powered by 18V - 8Ah lithium ion batteries, they provide high capacity while a double-speed hydraulic system guarantees rapid execution of the work cycle.

Available types	Max cutting Ø mm
CP1300P-85-KV	85
CP1300P-96-KV	95
CP1300P-120-KV	120

UNDERGROUND



**Special
CONNECTION**

DISTRIBUTION UNDERGROUND



CEMBRE is a single supplier.

Customers refer to CEMBRE with the certainty of finding a competent and reliable supplier of connectors, cutters, crimping tools and markers of wires/conductors, thanks to over 50 years of experience and millions of connections every day.

The versatility of the 18V battery system adopted by CEMBRE for its tools and printers allows the use of the same batteries and battery chargers for multiple tools.



B500-KV
18.0 V CORDLESS HYDRAULIC
CRIMPING TOOLS
suitable for a wide range of
connectors up to 300 sqmm
using die sets common to the
CEMBRE 50 kN tooling range.



B1350-C-KV
18.0 V CORDLESS HYDRAULIC
CRIMPING TOOLS
suitable for a wide range of
connectors up to 400 sqmm using
die sets common to the CEMBRE
130 kN tooling range.



**MEDIUM VOLTAGE
ALUMINIUM THROUGH
CONNECTORS**

MTMA series through connectors are made from Aluminium of a purity equal to or greater than 99,5%. Designed to join aluminium conductors in medium voltage applications.



**MEDIUM VOLTAGE COPPER
THROUGH CONNECTORS**

MT series connectors are designed to join conductors in medium voltage applications up to 35 kV. They are manufactured from Copper with a purity greater than 99.9%, annealed and Tin plated.



CONNECTORS AL/CU FOR LV-MV CONDUCTORS MECHANICAL AND BIMETALLIC

MLA-NC, ML-C, MBS-NC
MECHANICAL LUGS AND SPLICES
for use with Copper and Aluminium
conductors, for low and medium
voltage (up to 52kV) installations, in
indoor, outdoor and underground
applications.

Up to
52 kV

Key features:

- Wide range of conductor cross sections
- Suitable for Copper and Aluminium conductors
- Tested according to IEC 61238
- Torque controlled to guarantee a good electrical contact
- Reduces inventory levels
- Easy installation - only requires a standard socket
- Reduced installation time



CAA-M, MTA-C

BIMETALLIC CONNECTORS
Copper palm/pin fixing -
Aluminium barrels.

The barrel is friction welded to the palm thus achieving the best possible transition between the Copper palm and Aluminium barrel. Barrels are capped and filled with grease so as to avoid oxidation of the Aluminium.

2A-M, 2A-2M

**HEAVY DUTY COPPER TUBE
TERMINALS**

The 2A-M and 2A-2M series cable lugs are designed for heavy duty, for grounding structures and equipment both indoors and outdoors and for medium voltage applications up to 35 kV.

Up to
35 kV

According to
DIN 46235

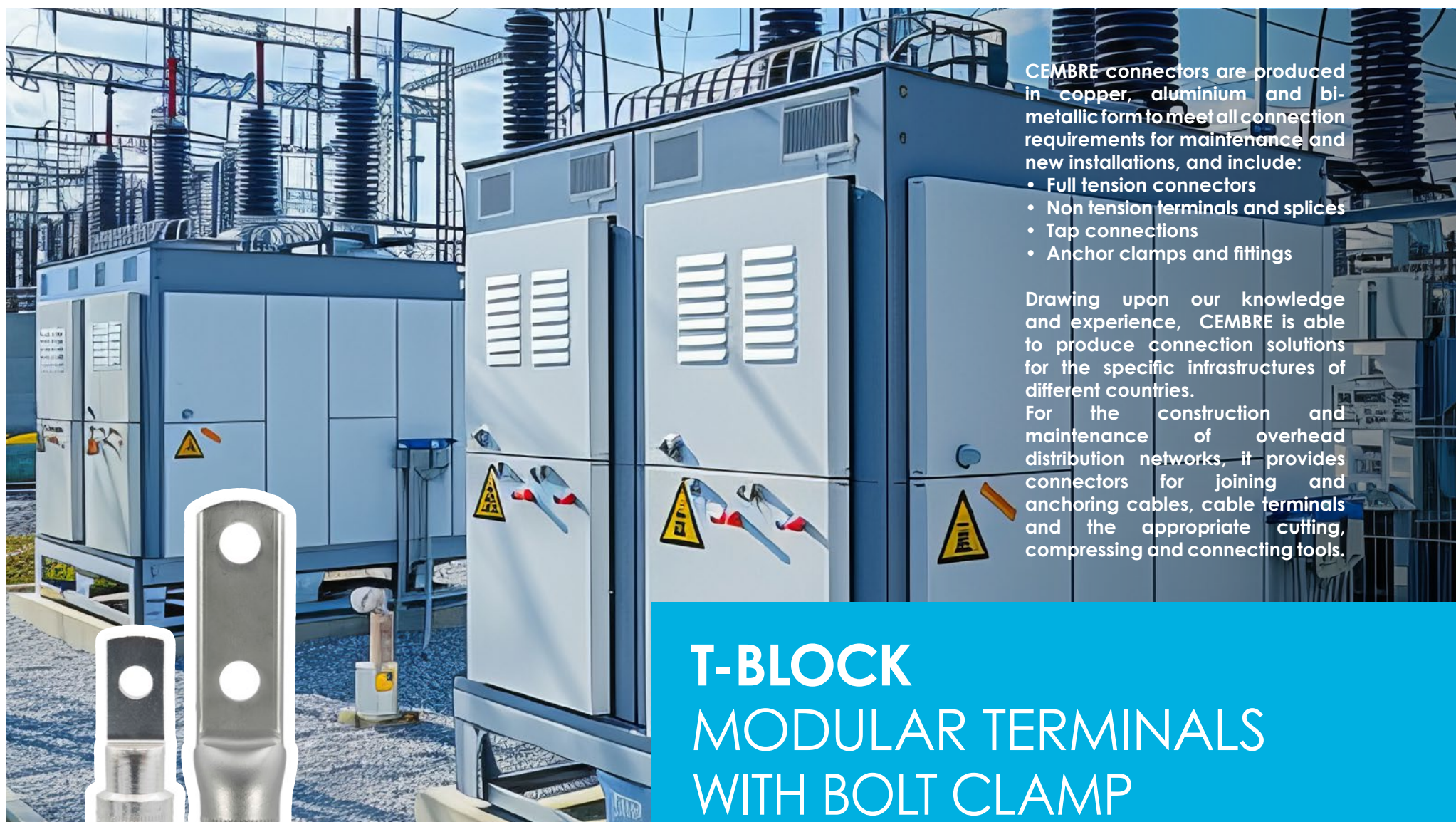
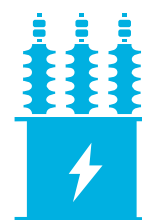
DR-N

**COPPER TUBE CRIMPING LUGS
ACCORDING TO DIN 46235**
DR-N series lugs are manufactured from electrolytic Copper tube with a purity greater than 99.9%, and designed to obtain high electrical conductivity combined with the mechanical strength required to resist vibration and pull out.

CA-M, CA-2M

**MEDIUM VOLTAGE COPPER
TERMINALS**

Series CA-M and CA-2M terminals are designed for medium voltage applications up to 35 kV. The extended barrel enhances both electrical and mechanical performance. The absence of an inspection hole prevents moisture entry into the crimped joint and makes these terminals suitable for outdoor applications.



CEMBRE connectors are produced in copper, aluminium and bi-metallic form to meet all connection requirements for maintenance and new installations, and include:

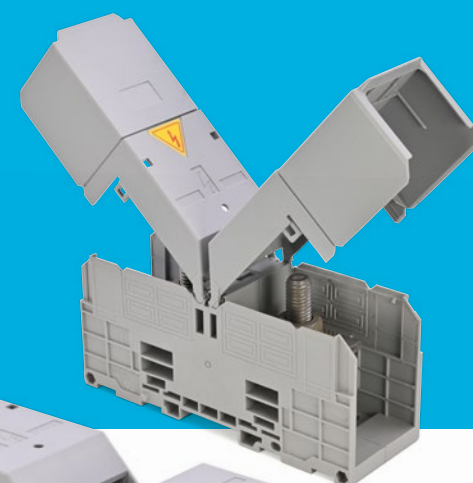
- Full tension connectors
- Non tension terminals and splices
- Tap connections
- Anchor clamps and fittings

Drawing upon our knowledge and experience, CEMBRE is able to produce connection solutions for the specific infrastructures of different countries.

For the construction and maintenance of overhead distribution networks, it provides connectors for joining and anchoring cables, cable terminals and the appropriate cutting, compressing and connecting tools.

T-BLOCK MODULAR TERMINALS WITH BOLT CLAMP

The CEMBRE catalogue offers a wide range of modular terminals providing connection solutions in various applications, for example, feed-through, grounding, and fused circuits with protection function. The range includes **screw-clamp push-in or bolt clamp connections** and are available for applications **up to 1000 V**, complying with various international standards.



TBB HC

Modular terminal with bolt clamp. The range includes inputs for conductors with nominal cross sections from 120 to 300 mm²



RF BF GF

PVC insulated crimp terminals F range funnel entry, for Copper conductors



**AAC150-M10
AA150S-2M12/29ST**
for bimetallic connections in medium/low voltage cabins

DR-N

Ring terminal, for copper conductors, DIN 46235



AAD-M

Aluminium terminals



CAA-M

Bimetallic connectors, copper palm fixing - Aluminium barrels

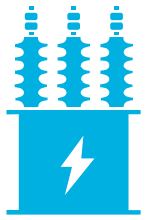


CA-M

Designed for medium voltage applications up to 35 kV.



18.0 V BATTERY-POWERED HYDRAULIC CRIMPING TOOL



The CEMBRE catalogue consists of the range of battery tools extremely robust and practical, they offer dual compression speed thanks to the two-speed hydraulic system. Powered by 18V Lithium Ion batteries, CEMBRE tools are easy to use and have long range. The ND versions with in-line structure are lightweight and easy to handle, particularly suitable for working at height.

In addition to the compression tools, there are also those cutting tools suitable for copper, aluminium, aluminium-steel conductors and steel wire ropes. Extremely robust, thanks also to the blades made of special high-strength steel.

Why choose CEMBRE tools?

- Easy to use
- Robust
- Powerful
- Lightweight
- Quiet
- Vibration-free
- Cordless

KIT-HT51-1

COMPRESSION KIT

TWO SPEED HYDRAULIC TOOL, lightweight and compact, this tool is ideal for working in confined spaces. For electrical connectors up to 240 sqmm



B500

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL 63kN, pistol, suitable for a wide range of connectors up to 300 sqmm using die sets common to the CEMBRE 50 kN tooling range

B-TC250ND

18.0 V CORDLESS HYDRAULIC CUTTING TOOL Bilinear structure, specifically designed to cut Copper, Alu, Aluminium, Aluminium-Steel conductors and Steel ropes, Aluminium and Steel rods having Ø max 25 mm

CRIMPSTAR®, ZKEN, HB, KTN MECHANICAL TOOLS

Low cost and used in various fields, such as control panels and electrical systems, for the installation of connectors suited to conductors with sections of up to 120mm². They are generally made with appropriately treated special steel and require minimal maintenance. The most practical tools are equipped with a mechanical ratchet to control the crimping; they may have one or more fixed or adjustable apertures



HB14

AUTOMATIC WIRE STRIPPER for conductors from 0,2 to 6,0 sqmm. Stripping length adjustable from 6 to 18 mm. Conductor cut from 0,2 to 2,5 sqmm.



HN-A25 CRIMPSTAR®

MECHANICAL CRIMPING TOOL for uninsulated terminals and connectors A-M, L-M and L-P series for conductor sizes 10 to 25 sqmm



KT45

MECHANICAL CUTTING TOOL for cutting conductors Cu and Al Ø max 45 mm



HP5 CRIMPSTAR®

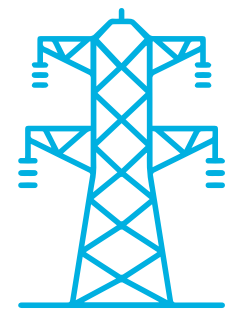
MECHANICAL CRIMPING TOOL for insulated terminals and connectors for conductor sizes 0,5 to 6 sqmm



ZKE616N

MECHANICAL CRIMPING TOOL for insulated and uninsulated end sleeves, 0,1 to 16 sqmm

TWIN CABLE TERMINAL LUGS FOR ROUND CONDUCTOR



DK-M, DK-2M
compression cable lugs for 2 copper round conductors
Tin-plated copper compression cable lugs with a copper content of 99.9% for crimping 2 round conductors.

Cable lugs with an M12 hole or with 2 slotted holes are available (see tables). The 2xM12 slotted holes ensure easy installation at different mounting points. This allows flexible use in earthing systems.



DR..-2M12-51AS
Cable lugs with 2 lug holes made of copper
Tin-plated copper cable lugs with a copper content of 99.9% for crimping round conductors. Cable lugs with two slotted holes are available (see table). The 2xM12 slotted holes ensure easy installation at different mounting points.



Special for
**OVERHEAD
LINE**

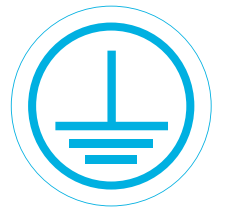
B1350L-C
18.0 V CORDLESS HYDRAULIC CRIMPING TOOL, 132kN, pistol, with large open c-head, for electrical connectors up to 400 mm²



B-TC320ND
18.0 V CORDLESS HYDRAULIC CUTTING TOOL, specifically designed to cut Copper, Aldrey, Aluminium, Aluminium-Steel conductors and Steel ropes, Aluminium and Steel rods having Ø max 32 mm



MRD-C and MRH-C
CEMBRE die sets for DK and DR connectors



**new range
H CLAMPS**

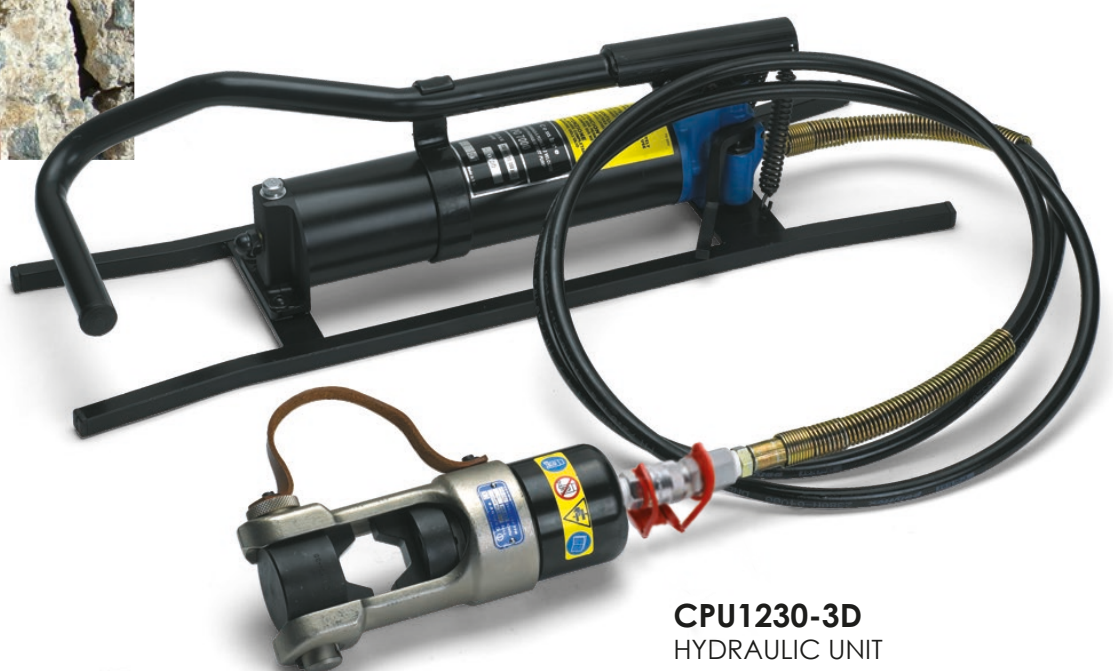
**Special for
EARTHING**



"H" connectors are manufactured from Copper profiles with a purity greater than 99.9% and **are suitable for a variety of uses or to create an earthing network.**

"H" connectors are available in uncoated and tin coated version.

**Special for
EARTH ROD**

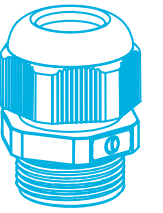


CPU1230-3D
HYDRAULIC UNIT
pump PO7000 + head ECW-H3D with Adaptor type AU230-130D is suitable for a wide range of connectors up to 630 sqmm using die sets common to the CEMBRE 130 kN tooling range.

MAGAZINE
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CABLE GLANDS AND ACCESSORIES

QUALITY PRODUCTS FOR QUALITY WIRING



CABLE GLANDS

CABLE GLANDS WITH EXTENDED RANGE

Up to
IP68

MAXIblock®
MAXIbrass®
spiralblock®
MAXIinox

1940.M and 2940.M series

CEMBRE's MAXIblock and MAXIbrass cable gland range is expanding with a series of new products, becoming increasingly flexible and practical.

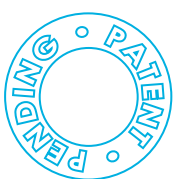
Thanks to careful product design, the 1940.M and 2940.M series are characterised by the extended cable entry compared to the standard range.

With the same threading as the standard range, the 1940.M and 2940.M fit large-diameter cables, saving space and time in installations.

Thanks to the extended cable entry it is now possible to install large-diameter cables.

Additionally, a longer thread also makes installation on thick plates easier.

EWO SYSTEM ENTRY WIRE ORGANIZER



INTUMESCENT MATERIAL
E45 & EI30 STANDARD COMPLIANT



NOW
AVAILABLE
WITH FIRE
BARRIER



Fire
prevention
gasket



Plug & Fix

Quick installation on predetermined cables for signal distribution, sensors and power supplies.

Easy to use

Frame can be fitted after laying the cables, which can also be secured with grommets in the final phase of machine wiring.

For industrial automation

Ideal for applications in industrial automation and for cable management on machinery.

Safety without compromise

Extremely safe and protected (IP66) even without an additional external seal. Grommets are perfectly enclosed by the frame, with no protrusions, ensuring IP66 protection and cable sealing in accordance with EN62444.

EWO®
EASY WIRE ORGANIZER

MAGAZINE
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FREEDOM TO PRINT EVERYWHERE



FLEXIBLE MANAGEMENT OF WORK

With MG4, projects can be set up and created from a PC with the GENIUSPRO software for managing production orders or, if necessary, via the **Geniuspro Mobile App** developed by CEMBRE for IOS and Android devices (smartphones and tablets) for the latest changes on site on the electrical panel or on board the machine.

SPEED

QUALITY

ECONOMY

CONVENIENCE

APP Geniuspro Mobile



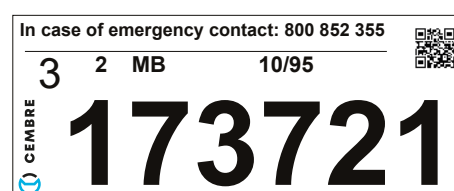
ALWAYS CONNECTED!

Today everything is connected, even MG4.

The printer has many functions that facilitate connectivity and remote data exchange.

- connected to the network
- connected to mobile

MG4



MARKINGENIUS®MG4

is the new CEMBRE solution for industrial marking. Designed to offer a very high and long-lasting print quality of text, logos, electrical symbols, QR codes and any type of vector image. It is equipped with a ribbon save system, a useful function that allows you to consume only the ribbon necessary for printing.



ROLLY

ROLLY3000

designed for high speed printing of identification and labelling media in roll format



IDENTIFICATION & LABELLING

CEMBRE offers a **reliable power tool service to provide comprehensive support to its customers.**

Qualified staff receive, **check and maintain** the tools quickly, to avoid annoying disruptions on the lines that also affect power traffic users.

Main services include **tool repair.**

CEMBRE is also able to guarantee spare parts for products and a **range of accessories and consumables** for power, all of which are manufactured by CEMBRE.



CEMBRE AT A GLANCE

INNOVATION IS IN OUR DNA



276
Patents and
filled applications

121
Registered
trademarks
in 27 States



OUR PRODUCT CODES



17.995
different product codes
sold each year

19.515
product codes are
available for
immediate dispatch

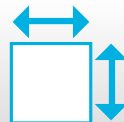


MAIN MANUFACTURING SITE, ITALY



60.000
m² of space
dedicated to offices,
factories, laboratories

121.000
m² of site



AUTOMATED WAREHOUSE



60.000
bins capacity

10.000
order lines
per working day



CEMBRE

www.cembre.com

LRQA
CERTIFIED

ISO 9001 • ISO 14001
ISO 45001

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