



Cembre

POWER UTILITIES CATALOG



Certified Quality
Management System



Certified Environmental
Management System



Certified Occupational
Health & Safety
Management System

OVERHEAD LINES



SUBSTATION



TRANSMISSION



2019
July

PRESENTATION

This catalogue illustrates the range of our products for power utilities. For each product family we indicate the principal features, and sometimes the most frequent applications and the necessary guidelines for a correct application.

Our sales personnel are at your disposal to supply more detailed information and our design and development engineers are available to study new solutions to particular applications.

On 14th December 1990 Cembre SpA Quality Management System was certified by Lloyd's Register of Quality Assurance (LRQA) according to ISO 9002-1987 EN 29002 - 1987 BS 5750: Part 2: 1987 for the manufacture of insulated and uninsulated copper crimping connectors. Then on 22nd December 1992 Cembre SpA was certified ISO 9001 for the design and manufacture of cable accessories, electrical connectors and associated tools. The activities of the



main premises in Brescia, the Italian regional offices and the subsidiary companies in Great Britain, France, Spain, Germany and USA are governed by a single Quality System, assessed by Lloyd's Register of Quality as conforming to the ISO 9001:2015 norm for the design, manufacture and sales of electrical connectors and associated tools, cable accessories, marking systems, toolings and products for railway applications. Tools for pressed joints for water, gas, steam, waste and HVAC and related accessories. In house repair, refurbishment and calibration of toolings. This guarantees a homogeneous and high quality level of the products and services that Cembre provides to its customers.



Cembre SpA has recently recognised the need to align its Environmental Management System with the spirit and content of UNI EN ISO 14001: 2015 as fundamental to future development.

To this end the company undertook a wide-ranging review of all functions including development and design stages, material selection, usage and manufacturing processes. The resulting definition of operational procedures in line with these aims and provisions has enabled Cembre SpA to achieve Environmental Certification, further highlighting the company's sensitive and careful approach to environmental protection.



All Cembre products comply with Directive 2011/65/EU of the European Parliament and Council dated 8 June 2011 (and subsequent amendment).



Cembre S.p.A. has recently enhanced its business processes with the certification by Lloyd's Register of Quality Assurance, of its Management System for the Health and Safety of Workers, in accordance with the standard OHSAS18001:2012 (Occupational Health and Safety Management System).

The project, launched in early 2011, was strategically designed to facilitate the active participation of all employees at every level in the application of systems management, in order to optimise compliance of risk management capability with regard to laws and regulations concerning the health and safety of workers.

All employees have received exhaustive training and are involved, by exercising their individual responsibility and competence, as key players in the identification of residual risk situations and the proposal of corrective solutions.

For Cembre then, this certification is not only the proper recognition of the quality of work performed, but also an incentive to maintain a determined competitive advantage in increasingly difficult and aggressive international markets.



***Cembre Inc;
Edison - New Jersey***

Operative since March 1999, Cembre Inc. based in Edison, NJ, provides full stock of our products available to customers, technical assistance and repair capabilities with immediate availability of spare-parts. Our head-office in Edison serves the United States, Canada and Mexico.

***Cembre S.p.A. factory in Brescia (ITALY)
covers an area of approximately 121,000 m²***

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CEMBRE 18V CORDLESS TOOLS SMARTOOLS FEATURES



At the touch of a button, new Cembre 18V Crimping Tools display real time data on the integrated OLED screen including:

- pressure & force validation during the current operating cycle,
- no. of cycles performed & remaining to recommended maintenance
- battery status.

For added convenience, by connecting a tool via USB to a **SMARTOOL** enabled PC, the user can view and download data stored on the control card and:

- Monitor tool status
- Analyse operating performance
- Output validation reports
- Update firmware

Visit the Cembre web site and log-in to the *Software & Firmware* reserved area to download software and tool firmware updates.



Pdf downloads summarise pressure & force validation data for the last 10 crimping cycles, while the .csv format downloads all data for up to 200,000 operating cycles.

Records of malfunctions or errors during operation are easily identified for reference and investigation.

Downloads also provide tool and firmware identification details and record the no. of cycles performed & remaining to recommended maintenance and the no. of working hours.

SUPPLIED WITH

- 1 18.0 V Li-Ion high power battery (2 pcs.)
 - 2 ASC 30-36 USA/CAN 27046000 AC charger (115V). (INPUT 115 V / 60 Hz; OUTPUT 12-42 V DC / 3.0 A max.)
- Plastic carrying case or vinyl bag.



OPTIONAL ACCESSORIES

- 3 CINV 12-110IC, 12V car power inverter.

Technical Specifications:

Rated Power:	300 W
Max. Power:	350 W
Peak Power:	700 W
Input Voltage:	11-15 VDC
Output Voltage:	110 V
Output Frequency:	50Hz or 60 Hz
USB Output:	5 VDC 1 A cont.
Converter Efficiency:	> 90 %
Protections:	Short circuit, overload, over temperature, low battery voltage, over battery voltage
Indicator:	Dual color LED (Green+operation, Red+shutdown)
Over Voltage Shutdown:	DC 16 V
Low Voltage Shutdown:	DC 10 V



LEGEND OF ICONS

TOOL PROPERTIES



18.0V Li-Ion battery



Protected Tool



Tool with LED working lights



Double action speed



Smart release Technology



Smartool Technology



Available in Makita and Metabo Version

RANGE OF APPLICATIONS



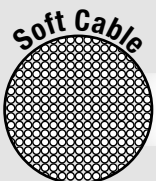
Application Tips



Suitable for cutting ACSR



Suitable for cutting Guy Wire



Suitable for cutting Soft Cable



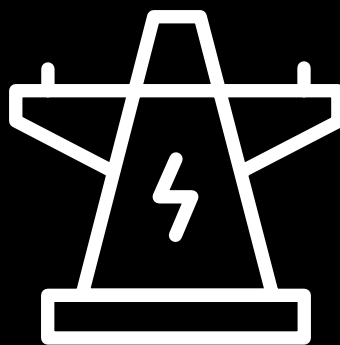
Suitable for cutting Ground Rod

MARKINGS



UL Listed

OVERHEAD TRANSMISSION



RHU1000

100 Ton Hydraulic Presshead



TOOL				
Crimping force ton	Max operating pressure psi	Dimensions in.		Weight lbs
		length	width	
100	10,000	16.3	10.9	111.5
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VAL 1000*	13.1x9.6x17.1	26.5	✓	—

The RHU1000 is a 100 ton hydraulic presshead for full tension, transmission and substation connections, complete with quick automatic coupler for connection to hydraulic pumps with a working pressure of 10.000psi max. The RHU1000 will accept all semi-circular slotted dies common to most 100 ton heads as the Alcoa ones. The die cap is easily removable for an easy connector positioning; the upper part of the cap automatically rotates during the die changing process to present the correct positioning of the die. Lifting eye included.



*Stainless Steel dies available.
RHU 1000 is supplied without dies. For die selection, please refer to chart at page 98*



VAL 1000

**Suitable for storage of the head*

Lifting eye; screwed into the base of the cylinder; allows easy transportation of the head in aerial operation.

Operable from single or double acting hydraulic power source

Insertion of the upper die:



After substitution of the dies, insert the die cap into the head.



Pull the pin.



The upper part of the cap automatically rotates...



...to the correct position.



RHU600

60 Ton Hydraulic Presshead

TOOL					
Crimping force ton	Max operating pressure psi	Dimensions in.		Weight lbs	Weight with support lbs.
		length	width		
60	10,000	17.6	9.5	41.8	49.3
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VAL 600*	18.9x9.2x10.2	18.9	✓	—	
MAIN APPLICATIONS · max size MCM					
Aluminum and Copper					
2156					

The RHU600 is a 60 ton hydraulic presshead for full tension, transmission and substation connections, complete with quick automatic coupler for connection to hydraulic pumps with a working pressure of 10.000psi max. The RHU600 will accept all semi-circular slotted dies common to most 60 ton heads as the Alcoa ones. The die cap is easily removable for the connector positioning. When used in the ground, the HS600 support supplied with the head offers stability; when used in OHL the hanger fitted at the bottom of the pump is an easy lifting point.



VAL 600

*Suitable for storage of the head



HS 600



Stainless Steel dies available.
RHU 600 is supplied without dies. For die selection, please refer to chart at page 98

OVERHEAD TRANSMISSION

B-TC450A

Hydraulic Cutting Tool - Overhead Line Application



TOOL					
Max head opening in.	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
1-3/4	length	height	width	18.0 V 4.0 Ah	14.7
	16.0	15.8	3.5		
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VALP40	20.5x17x5.0	5.7	✓	—	

- The tool is supplied as:
- Basic tool with battery and shoulder strap
 - Spare battery
 - AC charger (110-115V)
 - USB cable
 - Plastic carrying case suitable for storing the tool and accessories

 Ideal for 1590 MCM ACSR and EHS guy wire

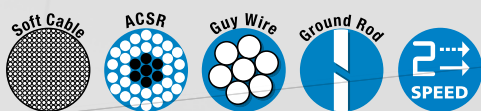
Available in
MAKITA & METABO
version

CUTTING		CAPACITY
MATERIAL	TENSILE STRENGTH (lbs./sq.in.)	MAX CUTTING DIAMETER (in)
		BTC450A HTTC041N TC041N
ROPE & CONDUCTORS	COPPER	≤ 59,450
	ALUMINIUM	≤ 29,000
	ALMELEC	≤ 49,300
	STEEL	≤ 261,000
	MULTI STRANDS STEEL (STRANDS Q.TY ≥ 200)	≤ 261,000
	ACSR	≤ 261,000
		FEW INDICATIVE EXAMPLE: 7 x 0.118 = Ø out. 0.354 19 x 0.083 = Ø out. 0.413 19 x 0.091 = Ø out. 0.453
RODS	STEEL	≤ 87,000
		≤ 60,900
	COPPER	≤ 43,000
		≤ 36,250
	ALUMINIUM	≤ 23,200

Next generation of 18.0 V cordless hydraulic cutting tool specifically designed cut copper, aldre, aluminium, aluminium-steel cables and steel ropes, aluminium and steel rods having a max overall diameter of 1-3/4".

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18 V 4.0 Ah batteries offer a high capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can

easily be opened to allow cutting of running cables. Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-TC450A is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Operating temperature: +5 to +122°F



HT-TCO41N

Hydraulic Cutting Tool - Overhead Line Application



Hand operated hydraulic tool specifically designed to cut copper, aldre, aluminum, aluminum-steel cables and steel ropes, aluminum and steel rods having a max overall diameter of 1-3/4".

This model is self contained, robust and sturdy.

The tool features a double speed action.

The blades are manufactured from high strength special steel, heat treated to ensure a long service life.

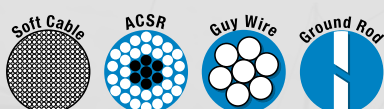
The head can rotate by 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

HT-TCO41N features an automatic safety valve to bypass oil when reaching maximum pressure; a pressure release device can also be operated at any stage of operation.

TOOL				
Max head opening in.	Dimensions in.		Weight lbs	
	length	width		
1-3/4	16.0	3.5	14.7	
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VAL P7	28.6x8x4.5	2.9	✓	—



Ideal for 1590 MCM ACSR and EHS guy wire



TCO41N

Hydraulic Cutting Head - Overhead Line Application



Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, TCO41N has the same cutting capability as HT-TCO41N.

TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
		length	width	
1-3/4	10,000	12.2	3.9	8.8
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VAL 04	13.8x4.9x2.7	4.4	✓	—



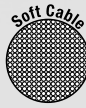
Ideal for 1590 MCM ACSR and EHS guy wire



OVERHEAD TRANSMISSION

B-TC550A

Hydraulic Cutting Tool - Overhead Line Application



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Metal carrying case suitable for storing the tool and accessories

TOOL					
Max head opening in.	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
2-3/16	length	height	width	18.0 V 4.0 Ah	19.6
STORAGE					
Type	Dimensions in.		Weight lbs	Supplied with the tool	Purchase separately
VALP40	20.5x17x5.0		5.7	✓	—



Ideal for 795 MCM ACSR Drake and EHS guy wire

Available in
MAKITA & METABO
version

CUTTING CAPACITY		
	TENSILE STRENGTH (lbs./sq.in.)	MAX CUTTING DIAMETER (in.)
		HT-TC055 TC055 B-TC550A
ROPE & CONDUCTORS	COPPER	≤ 59,450
	ALUMINUM	≤ 29,000
	ALMELEC	≤ 49,300
	STEEL	≤ 261,000
	MULTI STRANDS STEEL (STRANDS Q.TY ≥ 200)	≤ 261,000
	ACSR	≤ 261,000
	GUY WIRE (GW15-9/16-188)	Extra high strenght grade
	STEEL	≤ 87,000
	ALUMINUM	≤ 23,200
	COPPER	≤ 43,000
RODS	STEEL	≤ 60,900
	COPPER	≤ 36,250
	ALUMINUM	≤ 23,200
	COPPER	≤ 43,000

Next generation of 18.0V cordless hydraulic cutting tool. Specifically designed to cut copper, aluminum, aluminum-steel cables (ACSR) steel ropes and rods having a max overall diameter of 2-3/16". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18V 4.0 Ah batteries offer a high capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. The head can rotate through 330 degrees,

to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables. Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-TC550A is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

Operating temperature:
+5 to +122°F



HT-TC055

Hydraulic Cutting Tool - Overhead Line Application



Hand operated hydraulic tool specifically designed to cut Copper, aldre, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having a max overall diameter of 2-3/16".

The HT-TC055 is provided with a two stage hydraulic system, which advances the blades quickly to the cable. This proven system saves operator time and effort.

The HT-TC055 is provided with an automatic safety valve to bypass oil when reaching max pressure.

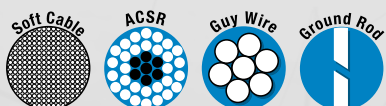
This means safety to the operator and protection to the blades.

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. The shape of the blades provides a "clean" cut.

The head can be opened to allow cutting of running cables and ropes. The head rotates 330 degrees allowing the operator to perform the cut in the most comfortable position. The tool is supplied complete with plastic case VAL P7 for protection and storage when not in use.

TOOL			
Max head opening in.	Dimensions in.		Weight lbs
	length	width	
2-3/16	23.4	5.6	18.1
STORAGE			
Type	Dimensions in.	Weight lbs	Supplied with the tool Purchase separately
VAL P7	28.6x8x4.5	2.9	✓ —

**Ideal for 795 MCM ACSR
Drake and EHS guy wire**



TC055

Hydraulic Cutting Head - Overhead Line Application



Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, TC055 has the same cutting capability as HT-TC055.

TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
		length	width	
2-3/16	10,000	14.0	4.07	14.5
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VAL TC055	15.1x9.1x5.7	8.1	✓	—



Ideal for 795 MCM ACSR Drake and EHS guy wire

OVERHEAD TRANSMISSION

RHTD

Special Tools - Nut splitting heads

RHTD1724		
Suitable for splitting nuts in.	Max operating pressure psi	Weight lbs
0.63" (M 10) ÷ 1.06" (M 18)	10,000	3.9
RHTD 3241		
Suitable for splitting nuts in.	Max operating pressure psi	Weight lbs
1.06" (M 18) ÷ 1.61" (M 27)	10,000	10.1
RHTD 410T		
Suitable for splitting square and hexagonal nuts or fastening bushes in.	Max operating pressure psi	Weight lbs
1.06" (M 18) ÷ 1.61" (M 27)	10,000	10.8
STORAGE		
Type	Dimensions in.	Weight lbs
VAL P4*	12.4x11.8x3.74	2.05

*Supplied with the head

Hydraulic nut splitting head complete with automatic quick coupler. For operating the head must be joined to a hydraulic pump developing a pressure of 10,000 psi. These heads are suitable to easily and quickly split nuts avoiding flame cut or dangerous grinding operation.

VAL P4

Supplied in a robust plastic case.



B-TD

Special Tools - Nut splitting tools

B-TD 410A		
Suitable for splitting square and hexagonal nuts or fastening bushes in.	Dimensions in.	Weight lbs
1.06" (M 18) ÷ 1.61" (M 27)	53.5 x 3.3 x 13.8	19.4

B-TD410TA

18.0 V battery operated hydraulic tool suitable for splitting fastening bushes, hexagonal and square nuts as per RHTD 410T. The "T" version when used with double blade allows to split the nut in one shot.



TOOL SETTING FOR RHTD and B-TD				
Tool Type	Hexagonal Nuts		Square Nuts	
	in.	Ø	in.	Ø
RHTD 1724 B-TD270A	0.63	M 10	0.67	M 10
	0.67	M 10	0.75	M 12
	0.71	M 12	0.87	M 14
	0.75	M 12	0.94	M 16
	0.83	M 14	1.06	M 18
	0.87	M 14		
	0.94	M 16		
	1.06	M 18	1.06	M 18
RHTD 3241 RHTD 410T B-TD410TA	1.06	M 18	1.06	M 18
	1.18	M 20	1.18	M 20
	1.26	M 22	1.26	M 22
	1.34	M 22	1.34	M 24
	1.42	M 24	1.42	M 27
	1.61	M 27		



B-TD270A		
Suitable for splitting nuts in.	Dimensions in.	Weight lbs
0.63" (M 10) ÷ 1.06" (M 18)	50.9 x 3.3 x 13.8	12.1

B-TD270A

18.0 V battery operated hydraulic tool suitable for splitting fastening bushes, hexagonal and square nuts as per RHTD 1724.





NR-11P

Portable Two Cycle Gas Engine Impact Wrench



TOOL					
Impact Unit Square driver Size	Dimensions in.			Two Cycle Gas Engine	Weight (dry) lbs.
	length	height	width		
1"	24.0	10.8	16.9	55 cc	42.3
STORAGE					
Type	Dimensions in.		Weight lbs	Supplied with the tool	Purchase separately
VAL NR*	29.4x17.9x12.2		35.3	—	✓
VAL P20**	17.6x9.0x4.1		2.9	—	✓

* Steel case for storage of NR11-P and VALP20 accessories box.
** Plastic box for storage of sockets and accessories.



Use of NR-11P on transmission tower.



ACCESSORIES

Standard and long impact sockets, extensions, swivelling shaft, adapters.

MAIN SPECIFICATION:

ENGINE	Type:	Two cycle, forced-air cooled, single cylinder
	Displacement:	55 cc
IMPACT UNIT	Square driver size:	1"
	No load:	1300 rpm
TORQUE	Max:	1844 ft.lbs

AR61E - AR61DE

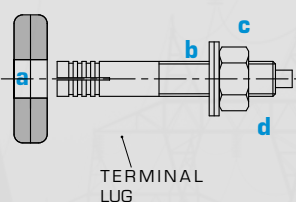
Bonding system for grounding application

Electrical Permanent Contact for type AR 61E and AR61DE for hole diameter 7/8"

The Single Side Bonding System has been designed around the same basic principles as Cembre's existing systems commonly used for railway applications such as GROUNDING, SIGNALLING and TRACTION:

- Low electrical resistance due to intimate contact between bush and hole surfaces
- Simple installation method that does not depend on operator skill
- Quick and easy to install (2 minutes for complete installation and assembly)
- does not rely on tight hole tolerances

System components are as follows:



- a - Electrolytically tin-plated copper bush type AR 61E-1
- b - M12 steel expansion bolt
- c - locking washer
- d - M12 stainless steel self-lock nut

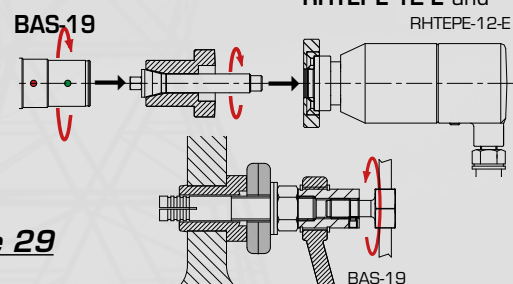
***Tools for installation at page 29**

Electrical and mechanical testing has been carried out on the system including:

- Temperature cycling
- High current loading
- Salt chamber corrosion testing
- Mechanical flexion testing

To be installed by:

Hydraulic tool type
RHTEPE-12-E and
RHTEPE-12-E



B68M-P18A

Portable cordless - Hydraulic Pump



TOOL				
Max operating pressure psi	Dimensions in.			Weight lbs
10,000	length	width	height	
	14.1	7.2	9.2	12.0
STORAGE				
Type	Dimensions in.			Weight lbs
Canvas bag 031*	22.8x11.8x12.6			4.9

*Supplied with the pump

Available in
MAKITA & METABO
version



The B68M-P18A pump is supplied with:

- Remote control provides LED working lights and an OLED display
- 6.5 FT flexible hose complete with rotatable Q14-F quick coupler on the pump and female 3/8" NPT self-lock quick couplers
- CB18.0 V - 4.0 Ah Li-Ion high power battery (2 pcs.)
- Canvas bag suitable for storing the tool and accessories
- AC charger (110-115V)
- Shoulder strap



New portable cordless-hydraulic pump B68M-P18A is battery operated for independent use.

Having the inherent strengths of the Cembre 18V tool range, the B68M-P18A is a lightweight high capacity pump equipped with an innovative remote control suitable for a wide range of applications.

New Li-Ion 18V 4.0 Ah batteries offer a high capacity, while improved operating speed results from a revitalised hydraulic system with double speed action.

A maximum pressure sensor assures greater precision and repeatability of the pressure cycle, while a security valve doubles the provision for operator safety.

The unit has a manual pressure release button in case of emergency. Easy access to the oil reservoir is by means of an oil top-up inlet.

The innovative remote control provides LED working lights and an OLED display of essential real time tool operating information including:

- Operating mode selection
- Release mode selection: Smart release, manual release
- Minimum set pressure and momentary pressure reached expressed in bar allows verification of correct operation
- Battery charge level
- No. of cycles performed
- No. of cycles before scheduled recommended maintenance
- Motor temperature

Designed with improved handling characteristics, B68M-P18A is easily manageable during the operating process and has a fibreglass-plastic shell with high resistance to wear and damage.

The pump features a rubber pocket to store and protect the remote control.

Low noise levels aid operator comfort while additional convenience and safety are provided by LED lighting on the remote control. Selecting the SMART release mode on the OLED display allows the operating pressure to be maintained until the operating button is released, thus allowing the operator to make a visual check of, say, the crimped connection.

Releasing the button then automatically releases the pressure.

Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface located under the battery.

Data recording and intelligent control of the correct working of the tool

The new Bilinear tools record all work cycle data and any errors / malfunctions that may occur throughout the machine life.

These data can be viewed directly on the PC through its dedicated software.



B70M-P36A

Portable cordless - Hydraulic Pump



Easily accessible oil top-up inlet



Toggle button for direct operation via the pump



Automatic battery connection system



Display OLED multifunctional display



Smart Logo



Remote electrical hand or foot controller connection



High pressure hose connects to automatic self-lock quick coupling with protective cap



Pressure release button



Pump on (constant) In action (pulse) End of cycle Cycle error Anomaly Maintenance

New generation pumps **B70M-P36** and **B85M-P36** are powered by an all new 36.0V 6.2Ah Li-Ion high capacity rechargeable battery providing independence and portability. Fitted with a maximum pressure sensor (EPS) for enhanced precision and repeatability of the maximum pressure cycle, and a pressure relief valve providing additional safety for the operator. These units feature the Smart Release system which automatically retracts the ram at the end of the operating cycle. The manual toggle button can be used to operate and release the pressure directly from the pump. (Inhibited when the remote control is used for safety reasons). Oil top-up inlet for easy access to the oil reservoir.

Extremely compact and suitable for a wide range of applications. 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. The new design and ergonomic weight distribution allows the pump to be easily handled during use. The rigid structure of the plastic body ensures adequate mechanical protection and guarantees **IP44M** protection due to the presence of gaskets at the interface of the body shells.

The ergonomically designed handle helps to increase operator comfort when moving the pump.

Quieter operation, and the absence of vibrations ensure maximum operator comfort. Equipped with a 10 ft long high pressure hose complete with a male quick coupling on the pump and a self-locking female quick coupling. The pressure can be released at any time using the pressure release button. The unit features an OLED display to provide essential real time tool operating information including:

- Operating mode selection (cutting, crimping or piercing)
- Release mode selection (Smart release, manual release)
- Minimum set pressure and snapshot pressure reached in bar/psi to allow verification of correct operation
- Battery charge level
- No. of cycles performed
- No. of cycles before scheduled recommended maintenance
- Motor temperature
- Operational command (hand controller or manual on the pump)



Can be used in vertical or horizontal position

B70M-P36A

Portable cordless - Hydraulic Pump

- 1 Portable electro-hydraulic pump, 36V Li-Ion battery for independent use
- 2 Battery CB 3662L, 36V - 6,2 Ah Li-Ion with LED residual charge indicator
- 3 Battery charger ASC-ULTRA-US/CA
- 4 USB Cable
- 5 Shoulder strap
- 6 CVB-037 Canvas rucksack
- 7 TF300-Q38FM 10 ft flexible hose
- 8 ERCH Remote control



TECHNICAL FEATURES	
Operating pressure psi	10,000
Dimensions inches	
Length	16
Width	6.3
Height	12.9
Battery	36V 6.2Ah
Weight lbs (with battery)	22.0*

*without accessories

B70M-P36A-CH

Portable cordless - Hydraulic Pump

- 1 Portable electro-hydraulic pump, 36V Li-Ion battery for independent use
- 2 Battery CB 3662L, 36V - 6,2 Ah Li-Ion with LED residual charge indicator
- 3 Battery charger ASC-ULTRA-US/CA
- 4 USB Cable
- 5 Shoulder strap
- 6 CVB-037 Canvas rucksack
- 9 ERCH-WH Remote hand controller integrated with 10 ft length flexible hose complete with male + female 3/8» NPT self-lock quick couplers

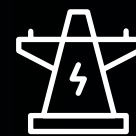


TECHNICAL FEATURES	
Operating pressure psi	10,000
Dimensions inches	
Length	16
Width	6.3
Height	12.9
Battery	36V 6.2Ah
Weight lbs (with battery)	22,0*

*without accessories

Supplied with:





Accessories to be ordered separately

TRS-B70

Rucksack
For carrying the pump



SH-B70

Hook for hanging the pump
from a ladder.



RCP-B70

Portable remote foot control



ERCH-WH

Control handle for flex hoses

Operating
push-button
Pressure
release button



VAL-P18

Durable case for pump and accessories.



CPE-1-110

Electric Hydraulic Pump



TOOL				
Max operating pressure psi	Dimensions in.			Weight lbs
	length	width	height	
10,000	14.6	8.8	18.8	46.2

Electrically driven hydraulic pump, powered by a 110-115V / 50-60Hz single-phase electrical motor.
The remote hand controller allows advancement and pressure release on completion of the crimping operation.
The mechanically actuated emergency button located on the pump body, allows the pressure release at any time also in case of power shortage.
This model is IP 55 rated.

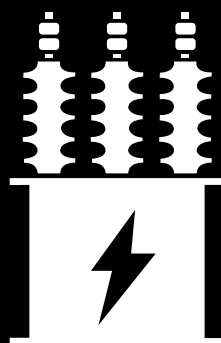
- The pump is supplied with:**
- high pressure flexible hose with male and female automatic quick coupler
 - remote hand controller
 - external supply connection cable

- Available as optional accessories:**
- Remote foot controller **RCP-B70**.
 - Transportation trolley **CS-CPE-1**
 - Control handle integrated with 10 ft length flex hoses **ERCH-WH**

- Technical details:**
- Oil in the reservoir: 0.52 gallons
 - Power of motor: 1,050 W
 - Delivery of oil: 0.21 Gpm at no load

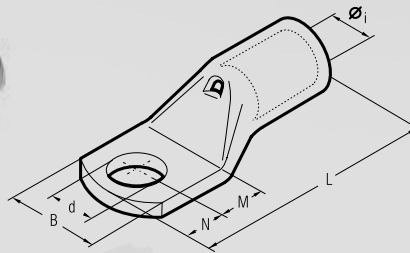
Accessories to be ordered separately





A-M

Copper tube crimping lugs for copper conductors



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

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

Cembre lugs are annealed to guarantee optimum ductility, an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

In applications subject to vibration, terminals still have to perform a reliable connection, annealing plays a vital role in avoiding cracking or breaks between the barrel and palm.

The presence of an inspection hole facilitates full insertion of the conductor, whilst the barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

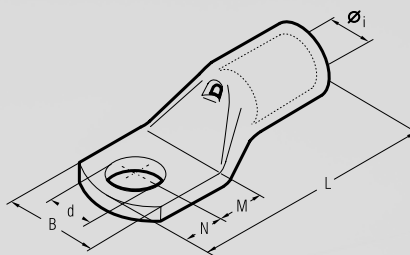
Lugs are electrolytically tinplated to avoid oxidation.

A-M series lugs form an important part of Cembre crimping systems for power carrying conductors, whilst our technicians are always available to provide any technical advice which may be required.

The enclosed table is only indicative of the range and many variations in stud fixing and palm lengths are also available.

UL listed for US and Canada per UL486A up to 35 KV.

Cond. Size AWG	Ø Stud in.	Ref.	Dimensions in.						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Øi	B	M	N	L	d			
22÷16	#4	A 03-M 3♦	0.07	0.24	0.18	0.14	0.63	0.13	5,000/100		
	#6	A 03-M 3.5♦	0.07	0.26	0.18	0.14	0.63	0.15	5,000/100		
	#8	A 03-M 4♦	0.07	0.26	0.20	0.16	0.67	0.17	5,000/100		
	#10	A 03-M 5♦	0.07	0.30	0.22	0.18	0.71	0.21	5,000/100		
	1/4"	A 03-M 6♦	0.07	0.35	0.24	0.20	0.75	0.25	5,000/100		
16÷14	#4	A 06-M 3♦	0.09	0.24	0.18	0.14	0.67	0.13	4,000/100		
	#6	A 06-M 3.5♦	0.09	0.26	0.18	0.14	0.67	0.15	4,000/100		
	#8	A 06-M 4♦	0.09	0.30	0.20	0.16	0.71	0.17	4,000/100		
	#10	A 06-M 5♦	0.09	0.33	0.22	0.18	0.75	0.21	4,000/100		
	1/4"	A 06-M 6♦	0.09	0.35	0.24	0.20	0.79	0.25	4,000/100		
12÷10	5/16"	A 06-M 8♦	0.09	0.47	0.35	0.31	1.02	0.33	2,500/100		
	#4	A 1-M 3	0.14	0.30	0.18	0.14	0.81	0.13	2,000/100		
	#6	A 1-M 3.5	0.14	0.30	0.18	0.14	0.81	0.15	2,000/100		
	#8	A 1-M 4	0.14	0.31	0.20	0.16	0.85	0.17	2,000/100		
	#10	A 1-M 5	0.14	0.35	0.26	0.24	0.98	0.21	2,000/100		
8	1/4"	A 1-M 6	0.14	0.43	0.28	0.24	1.00	0.25	2,000/100		
	5/16"	A 1-M 8	0.14	0.55	0.35	0.31	1.16	0.33	1,500/100		
	3/8"	A 1-M 10	0.14	0.65	0.43	0.39	1.32	0.41	1,000/100		
	1/2"	A 2-M 12	0.18	0.75	0.55	0.47	1.56	0.52	500/100		
	#8	A 2-M 4	0.18	0.39	0.20	0.16	0.89	0.17	1,500/100		
6	#10	A 2-M 5	0.18	0.39	0.26	0.24	1.02	0.21	1,500/100		
	1/4"	A 2-M 6	0.18	0.43	0.28	0.24	1.04	0.25	1,500/100		
	5/16"	A 2-M 8	0.18	0.59	0.35	0.31	1.20	0.33	1,000/100		
	3/8"	A 2-M 10	0.18	0.71	0.43	0.39	1.36	0.41	1,000/100		
	1/2"	A 3-M 12	0.23	0.79	0.55	0.47	1.73	0.52	500/100		
4	#8	A 3-M 4	0.23	0.45	0.20	0.16	1.00	0.17	1,000/100		
	#10	A 3-M 5	0.23	0.45	0.26	0.24	1.14	0.21	1,000/100		
	1/4"	A 3-M 6	0.23	0.45	0.28	0.24	1.16	0.25	1,000/100		
	5/16"	A 3-M 8	0.23	0.59	0.35	0.31	1.32	0.33	500/100		
	3/8"	A 3-M 10	0.23	0.71	0.43	0.39	1.48	0.41	500/100		
2	1/2"	A 5-M 12	0.28	0.83	0.55	0.47	1.77	0.52	500/100		
	#8	A 5-M 4	0.28	0.55	0.20	0.16	1.10	0.17	1,000/100		
	#10	A 5-M 5	0.28	0.55	0.26	0.24	1.24	0.21	500/100		
	1/4"	A 5-M 6	0.28	0.55	0.28	0.24	1.26	0.25	500/100		
	5/16"	A 5-M 8	0.28	0.59	0.35	0.31	1.42	0.33	500/100		
2-1/0	3/8"	A 5-M 10	0.28	0.71	0.43	0.39	1.57	0.41	500/100		
	1/2"	A 7-M 12	0.35	0.83	0.55	0.47	1.87	0.52	300/50		
	#10	A 7-M 5	0.35	0.67	0.26	0.24	1.34	0.21	500/100		
	1/4"	A 7-M 6	0.35	0.67	0.28	0.24	1.36	0.25	500/100		
	5/16"	A 7-M 8	0.35	0.67	0.35	0.31	1.52	0.33	400/100		
1/0	3/8"	A 7-M 10	0.35	0.75	0.43	0.39	1.67	0.41	400/100		
	1/2"	A 10-M 12	0.39	0.83	0.47	0.47	1.87	0.52	200/50		
	5/8"	A 10-M 16	0.39	1.02	0.71	0.63	2.34	0.67	200/50		
	1/4"	A 14-M 6	0.44	0.83	0.31	0.28	1.73	0.25	200/50		
	5/16"	A 14-M 8	0.44	0.83	0.35	0.31	1.81	0.33	200/50		
2/0	3/8"	A 14-M 10	0.44	0.83	0.43	0.39	1.97	0.41	200/50		
	1/2"	A 14-M 12	0.44	0.87	0.55	0.47	2.17	0.52	150/50		
	5/8"	A 14-M 16	0.44	0.98	0.63	0.55	2.32	0.59	100/50		



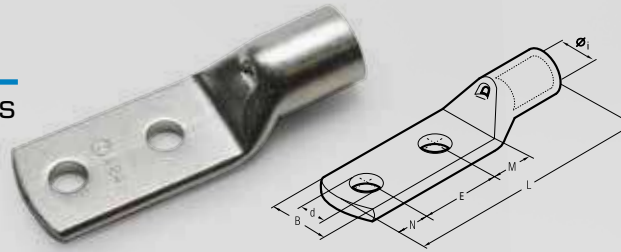
Cond. Size AWG	Ø Stud in.	Ref.	Dimensions in.						Quantity Box/Bag	
			Øi	B	M	N	L	d		
2/0 3/0	1/4"	A 19-M 6	0.53	0.98	0.31	0.28	1.99	0.25	100/25	B1500A B1300L-CA and similar tools for U dies B550CA B500nd B500 RH50
	5/16"	A 19-M 8	0.53	0.98	0.35	0.31	2.07	0.33	100/25	
	3/8"	A 19-M 10	0.53	0.98	0.43	0.39	2.22	0.41	100/25	
	1/2"	A 19-M 12	0.53	0.98	0.55	0.47	2.42	0.52	100/25	
	9/16"	A 19-M 14	0.53	0.98	0.63	0.55	2.58	0.59	100/25	
	5/8"	A 19-M 16	0.53	1.06	0.71	0.63	2.74	0.67	100/25	
3/0 250	3/4"	A 19-M 20	0.53	1.16	0.87	0.79	3.05	0.83	50/25	
	5/16"	A 24-M 8	0.60	1.12	0.35	0.31	2.13	0.33	100/25	
	3/8"	A 24-M 10	0.60	1.12	0.43	0.39	2.28	0.41	100/25	
	1/2"	A 24-M 12	0.60	1.12	0.55	0.47	2.48	0.52	100/25	
	9/16"	A 24-M 14	0.60	1.12	0.63	0.55	2.64	0.59	50/25	
	5/8"	A 24-M 16	0.60	1.12	0.71	0.63	2.80	0.67	50/25	
250 300 MCM	3/4"	A 24-M 20	0.60	1.18	0.87	0.79	3.11	0.83	50/25	
	5/16"	A 30-M 8	0.66	1.24	0.51	0.43	2.72	0.33	50/25	
	3/8"	A 30-M 10	0.66	1.24	0.51	0.43	2.72	0.41	50/25	
	1/2"	A 30-M 12	0.66	1.24	0.63	0.55	2.95	0.52	50/25	
	9/16"	A 30-M 14	0.66	1.24	0.71	0.63	3.11	0.59	50/25	
	5/8"	A 30-M 16	0.66	1.24	0.75	0.67	3.19	0.67	50/25	
300 350 MCM	3/4"	A 30-M 20	0.66	1.24	0.87	0.79	3.43	0.83	50/25	
	5/16"	A 37-M 8	0.76	1.40	0.51	0.43	2.99	0.33	50/25	
	3/8"	A 37-M 10	0.76	1.40	0.51	0.43	2.99	0.41	40/20	
	1/2"	A 37-M 12	0.76	1.40	0.63	0.55	3.23	0.52	40/20	
	9/16"	A 37-M 14	0.76	1.40	0.71	0.63	3.39	0.59	30/15	
	5/8"	A 37-M 16	0.76	1.40	0.75	0.67	3.46	0.67	30/15	
350 500 MCM	3/4"	A 37-M 20	0.76	1.40	0.87	0.79	3.70	0.83	30/15	
	5/16"	A 48-M 8	0.83	1.54	0.51	0.43	3.05	0.33	30/15	
	3/8"	A 48-M 10	0.83	1.54	0.51	0.43	3.05	0.41	30/15	
	1/2"	A 48-M 12	0.83	1.54	0.55	0.47	3.13	0.52	30/15	
	9/16"	A 48-M 14	0.83	1.54	0.71	0.63	3.62	0.59	30/15	
	5/8"	A 48-M 16	0.83	1.54	0.75	0.67	3.70	0.67	30/15	
500 600 MCM	3/4"	A 48-M 20	0.83	1.54	0.87	0.79	3.94	0.83	30/15	
	3/8"	A 60-M 10	0.93	1.73	0.79	0.43	3.78	0.41	20/10	
	1/2"	A 60-M 12	0.93	1.73	0.79	0.55	3.90	0.52	20/10	
	9/16"	A 60-M 14	0.93	1.73	0.87	0.63	4.06	0.59	20/10	
	5/8"	A 60-M 16	0.93	1.73	0.87	0.75	4.17	0.67	20/10	
	3/4"	A 60-M 20	0.93	1.73	0.94	0.91	4.41	0.83	20/10	
800 MCM	1/2"	A 80-M 12	1.06	2.01	0.87	0.75	4.45	0.52	20/5	
	9/16"	A 80-M 14	1.06	2.01	0.87	0.75	4.45	0.59	15/5	
	5/8"	A 80-M 16	1.06	2.01	0.87	0.75	4.45	0.67	15/5	
	3/4"	A 80-M 20	1.06	2.01	0.94	0.91	4.68	0.83	15/5	
1000 MCM	5/8"	A 100-M 16	1.19	2.22	0.87	0.75	4.61	0.67	15/1	
	3/4"	A 100-M 20	1.19	2.22	0.94	0.91	4.84	0.83	15/1	
1250 MCM	5/8"	A 120-M 16*	1.31	2.43	0.87	0.75	5.04	0.67	12/1	
	3/4"	A 120-M 20*	1.31	2.43	0.94	0.91	4.08	0.83	10/1	
1500 MCM	5/8"	A 160-M 16*	1.50	2.83	0.94	0.75	5.55	0.67	6/1	
	3/4"	A 160-M 20*	1.50	2.83	0.94	0.91	5.71	0.83	6/1	
2000 MCM	5/8"	A 200-M 16*	1.73	3.15	0.94	0.75	6.22	0.67	6/1	
	3/4"	A 200-M 20*	1.73	3.15	0.94	0.91	6.38	0.83	6/1	

*Not UL approved

For crimping large diameters, contact Cembre Inc.

A-2M

Double hole copper tube crimping lugs for copper conductors



A-2M series lugs are manufactured from electrolytic copper tube.

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

Cembre lugs are annealed to guarantee optimum ductility, an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

In applications subject to vibration, terminals still have to perform a reliable connection, annealing plays a vital role in avoiding cracking or breaks between the barrel and palm.

The presence of an inspection hole facilitates full insertion of the conductor, whilst the barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

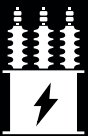
Lugs are electrolytically tin-plated to avoid oxidation.

A-2M series lugs form an important part of Cembre crimping systems for power carrying conductors, details of the appropriate crimping tools and dies are shown opposite and in detail on page 100, whilst our technicians are always available to provide any technical advice which may be required.

The enclosed table is only indicative of the range and many variations in stud fixing and palm lengths are also available.

UL listed for US and Canada per UL486A up to 35 KV.

Cond. Size AWG	Ø Stud in.	Ref.	Dimensions in.							Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Øi	B	M	N	E	L	d			
8	#8	A2-2M4-12	0.18	0.39	0.2	0.16	0.47	1.44	0.17	100	HNS	B 15MA
	5/16"	A2-2M8-20	0.18	0.59	0.43	0.43	0.79	2.26	0.33	100		
6	5/16"	A3-2M8-20	0.23	0.59	0.43	0.43	0.79	2.50	0.33	50		
	1/2"	A3-2M12-40	0.23	0.79	0.55	0.47	1.57	3.30	0.52	50/200		
4	5/16"	A5-2M8-20	0.28	0.59	0.35	0.43	0.79	2.32	0.33	100	HNS	B 15MA
	5/16"	A5-2M8-24-24	0.28	0.59	0.94	0.43	0.94	3.07	0.33	100/300		
	3/8"	A5-2M10-24-13	0.28	0.71	0.51	0.43	0.94	2.64	0.41	100/300		
	3/8"	A7-2M10-25	0.35	0.75	0.47	0.43	0.98	2.74	0.41	100		
2	1/2"	A7-2M12-25	0.35	0.83	0.63	0.55	0.98	3.01	0.52	50	HNS	B 15MA
	1/2"	A7-2M12-40	0.35	0.83	0.63	0.55	1.57	3.60	0.52	50/150		
2	1/4"	A10-2M6	0.39	0.75	0.31	0.43	1.75	3.50	0.25	50	HNS	B 15MA
	5/16"	A10-2M8-20	0.39	0.75	0.43	0.43	0.79	2.66	0.33	50/200		
	5/16"	A10-2M8-22	0.39	0.75	0.43	0.43	0.87	2.74	0.33	50/150		
	5/16"	A10-2M8-30	0.39	0.75	0.43	0.43	1.18	3.05	0.33	50/150		
1/0	5/16"	A10-2M8-24-24	0.39	0.75	0.94	0.43	0.94	3.33	0.33	50/150	HNS	B 15MA
	3/8"	A10-2M10-24-13	0.39	0.75	0.51	0.43	0.94	2.89	0.41	50/150		
2	1/2"	A10-2M12	0.39	0.83	0.63	0.55	1.75	3.94	0.52	50/100	HNS	B 15MA
	1/2"	A10-2M12-25	0.39	0.83	0.63	0.55	0.98	3.17	0.52	50		
	5/16"	A14-2M8-24-24	0.44	0.83	0.94	0.43	0.94	3.46	0.33	50/100		
	3/8"	A14-2M10-24	0.44	0.83	0.51	0.43	0.94	3.03	0.41	50/100		
1/0	1/2"	A14-2M12-25	0.44	0.87	0.63	0.55	0.98	3.31	0.52	50	HNS	B 15MA
	1/2"	A14-2M12-30-29	0.44	0.87	1.14	0.55	1.18	4.02	0.52	50/100		
2/0	1/2"	A14-2M12-40	0.44	0.87	0.63	0.55	1.57	3.90	0.52	50	HNS	B 15MA
	1/4"	A19-2M6	0.53	0.98	0.39	0.43	1.75	3.98	0.25	25		
2/0	5/16"	A19-2M8-50 S	0.53	0.98	0.59	0.59	1.97	4.55	0.33	25/75	HNS	B 15MA
	3/8"	A19-2M10-24-13	0.53	0.98	0.51	0.43	0.94	3.29	0.41	25/75		
	3/8"	A19-2M10-24-26	0.53	0.98	1.02	0.43	0.94	3.80	0.41	25/100		
	3/8"	A19-2M10-40	0.53	0.98	0.51	0.43	1.57	3.92	0.41	25/75		
3/0	1/2"	A19-2M12-25	0.53	0.98	0.63	0.55	0.98	3.56	0.52	25	HNS	B 15MA
	1/2"	A19-2M12-30-29	0.53	0.98	1.14	0.55	1.18	4.27	0.52	25/50		
3/0	9/16"	A19-2M14-25	0.53	0.98	0.71	0.63	0.98	3.72	0.59	25	HNS	B 15MA
	5/16"	A24-2M8-20	0.60	1.12	0.43	0.43	0.79	3.11	0.33	25		
	5/16"	A24-2M8-24-29	0.60	1.12	1.14	0.43	0.94	3.98	0.33	25/50		
	5/16"	A24B-2M8-25/19*	0.60	0.75	0.55	0.35	0.98	3.35	0.33	25/50		
3/0	5/16"	A24B-2M8-45/19*	0.60	0.75	0.55	0.35	1.77	4.13	0.33	25/50	HNS	B 15MA
	3/8"	A24-2M10	0.60	1.12	0.51	0.43	1.75	4.15	0.41	25/50		
	3/8"	A24-2M10-22	0.60	1.12	0.51	0.43	0.87	3.27	0.41	25		
	3/8"	A24-2M10-25/24	0.60	0.94	0.51	0.43	0.98	3.39	0.41	25/50		
250	3/8"	A24-2M10-33.5	0.60	1.12	0.51	0.43	1.32	3.72	0.41	25/50	HNS	B 15MA
	3/8"	A24L-2M10-30AS	0.60	1.12	0.51	0.43	1.18	3.58	0.41	25		
	1/2"	A24-2M12-30-29	0.60	1.12	1.14	0.55	1.18	4.33	0.52	25/50		
	1/2"	A24-2M12-40	0.60	1.12	0.63	0.55	1.57	4.21	0.52	25/50		
300	9/16"	A24-2M14	0.60	1.12	0.71	0.63	1.75	4.55	0.59	25/50	HNS	B 15MA
	5/8"	A24-2M16	0.60	1.12	0.75	0.67	1.75	4.63	0.67	25		
	5/16"	A30-2M8-20	0.66	1.24	0.51	0.43	0.79	3.50	0.33	25/50		
	3/8"	A30-2M10-24-28	0.66	1.24	1.10	0.43	0.94	4.25	0.41	25/50		
MCM	1/2"	A30-2M12-30	0.66	1.24	0.63	0.55	1.18	4.13	0.52	25/50	HNS	B 15MA
	1/2"	A30-2M12-30-29	0.66	1.24	1.14	0.55	1.18	4.65	0.52	15/30		
	1/2"	A30-2M12-40	0.66	1.24	0.63	0.55	1.57	4.53	0.52	15/30		
	9/16"	A30-2M14	0.66	1.24	0.71	0.63	1.75	4.86	0.59	25/50		
300	9/16"	A30-2M14-33.5	0.66	1.24	0.71	0.63	1.32	4.43	0.59	25/50	HNS	B 15MA
	3/8"	A37-2M10-25	0.76	1.40	0.51	0.43	0.98	3.98	0.41	15/30		
	1/2"	A37-2M12	0.76	1.40	0.63	0.55	1.75	4.98	0.52	15/30		
	1/2"	A37-2M12-32	0.76	1.40	0.63	0.55	1.26	4.49	0.52	15		
350	1/2"	A37-2M12-30-31	0.76	1.40	1.22	0.55	1.18	5.00	0.52	15/30	HNS	B 15MA
	9/16"	A37-2M14	0.76	1.40	0.71	0.63	1.75	5.14	0.59	15/30		
	9/16"	A37-2M14-35	0.76	1.40	0.71	0.63	1.38	4.76	0.59	15		
	5/8"	A37-2M16-40	0.76	1.40	0.75	0.67	1.57	5.04	0.67	15		



File no. E125401

A-2M

Double hole copper tube crimping lugs
for copper conductors

Cond. Size AWG	Ø Stud in.	Ref.	Dimensions in.							Quantity Box/Bag	Hydraulic Tools
			Øi	B	M	N	E	L	d		
300 350 MCM	3/8"	A48-2M10-20	0.83	1.54	0.51	0.43	0.79	4.02	0.41	15	RH 50 B 500A B500nd B1300LCA and similar tools for U dies B1500A
	3/8"	A48-2M10-35	0.83	1.54	0.51	0.43	1.38	4.61	0.41	15	
	1/2"	A48-2M12	0.83	1.54	0.63	0.55	1.75	4.02	0.52	15/30	
	1/2"	A48-2M12-35	0.83	1.54	0.63	0.55	1.38	4.84	0.52	15/30	
	1/2"	A48-2M12-40	0.83	1.54	0.63	0.55	1.57	5.04	0.52	15/30	
	1/2"	A48-2M12-30-31	0.83	1.54	1.22	0.55	1.18	4.04	0.52	10/20	
	9/16"	A48-2M14	0.83	1.54	0.71	0.63	1.75	5.37	0.59	15/30	
	9/16"	A48-2M14-40	0.83	1.54	0.71	0.63	1.57	4.00	0.59	15/30	
500 600 MCM	1/2"	A60-2M12	0.93	1.73	0.79	0.55	1.75	5.65	0.52	5/20	
	1/2"	A60-2M12-40	0.93	1.73	0.79	0.55	1.57	5.47	0.52	5/20	
	1/2"	A60-2M12-30-38	0.93	1.73	1.50	0.55	1.18	5.79	0.52	5/20	
	9/16"	A60-2M14	0.93	1.73	0.87	0.63	1.75	5.81	0.59	5/20	
	5/8"	A60-2M16-40	0.93	1.73	0.87	0.67	1.57	5.67	0.67	5/20	
	5/8"	A60-2M16	0.93	1.73	0.87	0.67	1.75	5.85	0.67	5/20	
800 MCM	5/8"	A60-2M16-35	0.93	1.73	0.87	0.67	1.38	5.47	0.67	5/20	
	9/16"	A80-2M14	1.06	2.01	0.87	0.63	1.75	6.08	0.59	5/15	
	9/16"	A80-2M14-40	1.06	2.01	0.87	0.63	1.57	5.91	0.59	5	
	5/8"	A80-2M16-40	1.06	2.01	0.87	0.75	1.57	6.02	0.67	5/15	
	5/8"	A80B-2M16-40*	1.06	2.01	0.87	0.75	1.57	6.02	0.67	5	
	5/8"	A80-2M16-50	1.06	2.01	0.87	0.75	1.97	6.42	0.67	5	

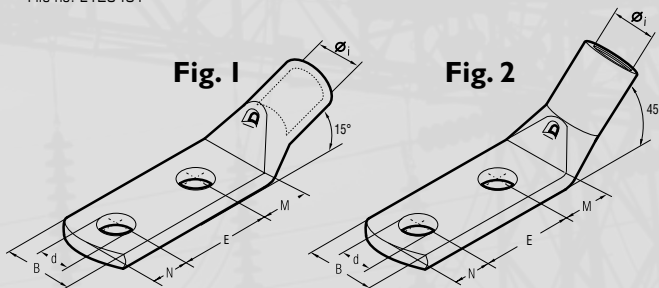
*Without inspection hole

A-2M

Double hole copper tube crimping lugs
angled 315° and 345° lugs for copper conductors



File no. E125401



Cond. Size AWG	Ø Stud in.	Ref.	Fig. N.	Dimensions in.							Quantity Box/Bag	Hydraulic Tools	
				Øi	B	M	N	E	d				
4	5/16"	A5-2M8-24-24/345°	1	0.28	0.59	0.94	0.43	0.94	0.33	100/300	B 550CA B500nd RH 50 B 500A B1300L-CA and similar tools for U dies B1500A		
	1/2"	A5-2M12-30-29/345°	1	0.28	0.83	1.14	0.55	1.18	0.52	100/200			
2 - 1/0	5/16"	A10-2M8-24-24/345°	1	0.39	0.75	0.94	0.43	0.94	0.33	50/150			
	5/16"	A14-2M8-24-24/345°	1	0.44	0.83	0.94	0.43	0.94	0.33	50/100			
1/0	3/8"	A14-2M10-24-26/315°	2	0.44	0.83	1.02	0.43	0.94	0.41	50/100			
	3/8"	A14-2M10-24-26/345°	1	0.44	0.83	1.02	0.43	0.94	0.41	50/100			
2/0	1/2"	A14-2M12-30-29/345°	1	0.44	0.87	1.14	0.55	1.18	0.52	50/100			
	5/16"	A19-2M8-24-24/345°	1	0.53	0.98	0.94	0.43	0.94	0.33	25/75			
3/0	3/8"	A19-2M10-24-26/345°	1	0.53	0.98	1.02	0.43	0.94	0.41	25			
	1/2"	A19-2M12-30-29/345°	1	0.53	0.98	1.14	0.55	1.18	0.52	25/75			
250	5/16"	A24-2M8-24-29/345°	1	0.60	1.12	1.14	0.43	0.94	0.33	25/50			
	3/8"	A24-2M10-24-29/345°	1	0.60	1.12	1.14	0.43	0.94	0.41	25/50			
250 - 300 MCM	1/2"	A24-2M12-30-29/345°	1	0.60	1.12	1.14	0.55	1.18	0.52	25/50			
	5/16"	A30-2M8-24-29/345°	1	0.66	1.24	1.14	0.43	0.94	0.33	15/30			
300 - 350 MCM	3/8"	A30-2M10-24-28/345°	1	0.66	1.24	1.10	0.43	0.94	0.41	25/50			
	1/2"	A30-2M12-30-29/345°	1	0.66	1.24	1.14	0.55	1.18	0.52	25/50			
300 - 350 MCM	3/8"	A37-2M10-25/315°	2	0.76	1.40	0.51	0.43	0.98	0.41	15			
	1/2"	A37-2M12-30-31/345°	1	0.76	1.40	1.22	0.55	1.18	0.52	15/30			
300 - 350 MCM	1/2"	A48-2M12/345°	1	0.83	1.54	0.63	0.55	1.75	0.52	10/20			
	1/2"	A48-2M12-30/45°	1	0.83	1.54	0.63	0.55	1.18	0.52	10/20			
500 - 600 MCM	1/2"	A48-2M12-30-31/345°	1	0.83	1.54	1.22	0.55	1.18	0.52	10/20			
	1/2"	A60-2M12-30-38/345°	1	0.93	1.73	1.50	0.55	1.18	0.52	10/20			



C

Color coded copper crimping lugs for copper conductors



C series lugs are manufactured from electrolytic copper tube.

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

Cembre lugs are annealed to guarantee optimum ductility, an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

In applications subject to vibration, terminals have to perform a reliable connection, the annealing process plays a vital role in avoiding cracking or breaks between the barrel and palm.

The presence of an inspection hole facilitates full insertion of the conductor. The barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

Lugs are electrolytically tin-plated to avoid oxidization. The tongue is clearly marked with wire size and die index for Cembre tools.

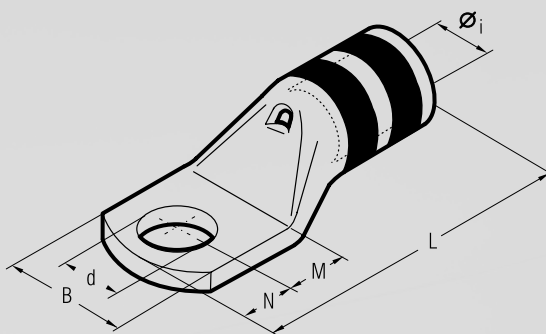
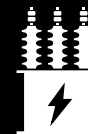
UL listed for US and Canada per UL486A up to 35 KV.

C series lugs are an important part of Cembre crimping systems for power carrying conductors.

Cembre technicians are available to provide technical advice as required.

Please consult Cembre for products not listed.

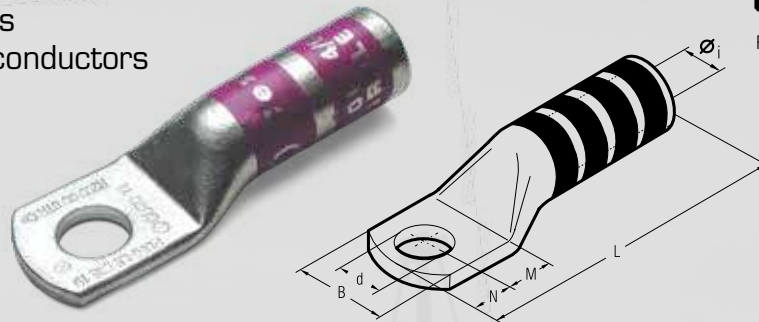
Conductor AWG		Ø Stud in	Ref.	Dimensions in.						Color Code	Quantity Box	Mechanical Tools	Hydraulic Tools				
Size	Navy			Øi	B	M	N	L	d								
8	23	# 8	C8-8	0.18	0.39	0.20	0.16	0.89	0.17	RED	600/50	HN5	B15MA				
		# 10	C8-10	0.18	0.39	0.26	0.24	1.02	0.21		600/50						
		1/4	C8-14	0.18	0.43	0.28	0.24	1.04	0.25		600/50						
		5/16	C8-516	0.18	0.59	0.35	0.31	1.20	0.33		600/50						
		3/8	C8-38	0.18	0.71	0.43	0.39	1.36	0.41		600/50						
		1/2	C8-12	0.18	0.75	0.55	0.47	1.56	0.52		600/50						
6	6	# 8	C6-8	0.23	0.45	0.20	0.16	1.00	0.17	BLUE	600/50						
		# 10	C6-10	0.23	0.45	0.26	0.24	1.14	0.21		600/50						
		1/4	C6-14	0.23	0.45	0.28	0.24	1.16	0.25		600/50						
		5/16	C6-516	0.23	0.59	0.35	0.31	1.32	0.33		600/50						
		3/8	C6-38	0.23	0.71	0.43	0.39	1.48	0.41		600/50						
		1/2	C6-12	0.23	0.79	0.55	0.47	1.67	0.52		400/50						
4	40	# 8	C4-8	0.24	0.49	0.20	0.16	1.10	0.17	GRAY	600/50						
		# 10	C4-10	0.24	0.49	0.26	0.24	1.24	0.21		600/50						
		1/4	C4-14	0.24	0.49	0.28	0.24	1.26	0.25		600/50						
		5/16	C4-516	0.24	0.59	0.35	0.31	1.42	0.33		600/50						
		3/8	C4-38	0.24	0.71	0.43	0.39	1.57	0.41		400/50						
		1/2	C4-12	0.24	0.79	0.55	0.47	1.77	0.52		400/50						
3	50	# 8	C3-8	0.28	0.55	0.20	0.16	1.10	0.17	WHITE	600/50						
		# 10	C3-10	0.28	0.55	0.26	0.24	1.24	0.21		600/50						
		1/4	C3-14	0.28	0.55	0.28	0.24	1.26	0.25		600/50						
		5/16	C3-516	0.28	0.59	0.35	0.31	1.42	0.33		600/50						
		3/8	C3-38	0.28	0.71	0.43	0.39	1.57	0.41		400/50						
		1/2	C3-12	0.28	0.83	0.55	0.47	1.77	0.52		400/50						
2	60	# 10	C2-10	0.30	0.67	0.26	0.24	1.30	0.21	BROWN	400/50						
		1/4	C2-14	0.30	0.67	0.28	0.24	1.32	0.25		400/50						
		5/16	C2-516	0.30	0.67	0.35	0.31	1.48	0.33		400/50						
		3/8	C2-38	0.30	0.75	0.43	0.39	1.63	0.41		400/50						
		1/2	C2-12	0.30	0.83	0.55	0.47	1.83	0.52		200/50						
		1/4	C1-14	0.35	0.67	0.28	0.24	1.36	0.25	GREEN	400/50						
5/16	C1-516	0.35	0.67	0.35	0.31	1.52	0.33	400/50									
3/8	C1-38	0.35	0.75	0.43	0.39	1.67	0.41	400/50									
1/2	C1-12	0.35	0.83	0.55	0.47	1.87	0.52	200/50									
1/0	100	1/4	C1/0-14	0.39	0.75	0.31	0.28	1.59	0.25	PINK	200/25						
		5/16	C1/0-516	0.39	0.75	0.35	0.31	1.67	0.33		200/25						
		3/8	C1/0-38	0.39	0.79	0.43	0.39	1.83	0.41		200/25						
		1/2	C1/0-12	0.39	0.83	0.55	0.47	2.03	0.52		200/25						
		9/16	C1/0-916	0.39	0.98	0.63	0.55	2.19	0.59		200/25						
		5/8	C1/0-58	0.39	1.02	0.71	0.63	2.34	0.67		200/25						
2/0	125	1/4	C2/0-14	0.44	0.83	0.31	0.28	1.73	0.25	BLACK	200/25						
		5/16	C2/0-516	0.44	0.83	0.35	0.31	1.81	0.33		200/25						
		3/8	C2/0-38	0.44	0.83	0.43	0.39	1.97	0.41		200/25						
		1/2	C2/0-12	0.44	0.87	0.55	0.47	2.17	0.52		200/25						
		9/16	C2/0-916	0.44	0.98	0.63	0.55	2.32	0.59		100/25						
		5/8	C2/0-58	0.44	1.02	0.71	0.63	2.48	0.67		100/25						
3/0	150	3/4	C2/0-34	0.44	1.16	0.87	0.79	2.79	0.83	ORANGE	100/25						
		1/4	C3/0-14	0.49	0.91	0.31	0.28	1.77	0.25		200/25						
		5/16	C3/0-516	0.49	0.91	0.35	0.31	1.85	0.33		200/25						
		3/8	C3/0-38	0.49	0.91	0.43	0.39	2.01	0.41		100/25						
		1/2	C3/0-12	0.49	0.94	0.55	0.47	2.20	0.52		100/25						
		9/16	C3/0-916	0.49	1.06	0.63	0.55	2.36	0.59		100/25						
		5/8	C3/0-58	0.49	1.10	0.71	0.63	2.52	0.67		100/25						
		3/4	C3/0-34	0.49	1.24	0.87	0.79	2.83	0.83		100/25						



Conductor AWG		Ø Stud in.	Ref.	Dimensions in.						Color Code	Quantity Box	Hydraulic Tools		
Size	Navy			Øi	B	M	N	L	d			HT 51	RH 50	B 500
4/0	200	1/4	C4/0-14	0.53	0.98	0.31	0.28	1.99	0.25	PURPLE	100/25			
		5/16	C4/0-516	0.53	0.98	0.35	0.31	2.07	0.33		100/25			
		3/8	C4/0-38	0.53	0.98	0.43	0.39	2.22	0.41		100/25			
		1/2	C4/0-12	0.53	0.98	0.55	0.47	2.42	0.52		100/25			
		9/16	C4/0-916	0.53	0.98	0.63	0.55	2.58	0.59		100/25			
		5/8	C4/0-58	0.53	1.06	0.71	0.63	2.74	0.67		50/25			
		3/4	C4/0-34	0.53	1.16	0.87	0.79	3.05	0.83		50/25			
250 MCM	250	1/4	C250-14	0.60	1.12	0.31	0.28	2.05	0.25	YELLOW	100/25			
		5/16	C250-516	0.60	1.12	0.35	0.31	2.13	0.33		100/25			
		3/8	C250-38	0.60	1.12	0.43	0.39	2.28	0.41		100/25			
		1/2	C250-12	0.60	1.12	0.55	0.47	2.48	0.52		50/25			
		9/16	C250-916	0.60	1.12	0.63	0.55	2.64	0.59		50/25			
		5/8	C250-58	0.60	1.12	0.71	0.63	2.80	0.67		50/25			
		3/4	C250-34	0.60	1.18	0.87	0.79	3.11	0.83		50/25			
300 MCM	300	7/8	C250-78	0.60	1.26	0.94	0.91	3.39	0.91	50/25				
		5/16	C300-516	0.66	1.24	0.51	0.43	2.72	0.33	WHITE	40/10			
		3/8	C300-38	0.66	1.24	0.51	0.43	2.72	0.41		40/10			
		1/2	C300-12	0.66	1.24	0.63	0.55	2.95	0.52		40/10			
		9/16	C300-916	0.66	1.24	0.71	0.63	3.11	0.59		40/10			
		5/8	C300-58	0.66	1.24	0.75	0.67	3.19	0.67		40/10			
		3/4	C300-34	0.66	1.24	0.87	0.79	3.43	0.83		40/10			
350 MCM	350	7/8	C300-78	0.66	1.24	0.94	0.91	3.62	0.91		40/10			
		3/8	C350-38	0.69	1.30	0.51	0.43	2.78	0.41	RED	40/20			
		1/2	C350-12	0.69	1.30	0.63	0.55	3.01	0.52		40/20			
		9/16	C350-916	0.69	1.30	0.71	0.63	3.17	0.59		40/20			
		5/8	C350-58	0.69	1.30	0.75	0.67	3.25	0.67		40/20			
		3/4	C350-34	0.69	1.30	0.87	0.79	3.48	0.83		40/20			
		7/8	C350-78	0.69	1.46	0.94	0.91	3.68	0.91		30/15			
400 MCM	400	3/8	C400-38	0.76	1.40	0.51	0.43	2.99	0.41		BLUE	40/20		
		1/2	C400-12	0.76	1.40	0.63	0.55	3.23	0.52	40/20				
		9/16	C400-916	0.76	1.40	0.71	0.63	3.39	0.59	40/20				
		5/8	C400-58	0.76	1.40	0.75	0.67	3.46	0.67	40/20				
		3/4	C400-34	0.76	1.40	0.87	0.79	3.70	0.83	40/20				
		7/8	C400-78	0.76	1.40	0.94	0.91	3.90	0.91	40/20				
		500 MCM	500	3/8	C500-38	0.83	1.54	0.51	0.43	3.23		0.41	BROWN	30/15
1/2	C500-12			0.83	1.54	0.63	0.55	3.46	0.52	30/15				
9/16	C500-916			0.83	1.54	0.71	0.63	3.62	0.59	30/15				
5/8	C500-58			0.83	1.54	0.75	0.67	3.70	0.67	30/15				
3/4	C500-34			0.83	1.54	0.87	0.79	3.94	0.83	20/10				
7/8	C500-78			0.83	1.54	0.94	0.91	4.13	0.91	20/10				
600 MCM	600			1/2	C600-12	0.93	1.73	0.79	0.55	3.90	0.52	GREEN		20/10
		9/16	C600-916	0.93	1.73	0.87	0.63	4.06	0.59	20/10				
		5/8	C600-58	0.93	1.73	0.87	0.75	4.17	0.67	20/10				
		3/4	C600-34	0.93	1.73	0.94	0.91	4.41	0.83	10/5				
		7/8	C600-78	0.93	1.73	0.94	0.91	4.41	0.91	10/5				
		750 MCM	750	1/2	C750-12	1.02	1.89	0.87	0.75	4.45	0.52		BLACK	10/5
				5/8	C750-58	1.02	1.89	0.87	0.75	4.45	0.67			10/5
3/4	C750-34			1.02	1.89	0.94	0.91	4.69	0.83	10/5				
7/8	C750-78			1.02	1.89	0.94	0.91	4.69	0.91	10/5				

CL

Color coded copper crimping lugs
one hole long barrel for copper conductors



CL series lugs are manufactured from electrolytic copper tube for use in heavy duty applications.

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

Cembre lugs are annealed to guarantee optimum ductility which is an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

In applications subject to vibration, terminals have to perform a reliable connection, the annealing process plays a vital role in avoiding cracking or breaks between the barrel and palm. The long barrel provides better mechanical pull-out strength.

Lugs are electrolytically tin-plated to avoid oxidization.

The tongue is clearly marked with wire size and die index for Cembre tools.

UL listed for US and Canada per UL486A up to 35 KV.

CL series lugs are an important part of Cembre crimping systems for power carrying conductors.

Cembre technicians are available to provide technical advice as required.

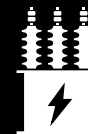
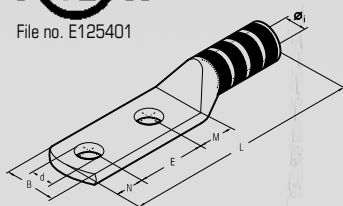
Please consult Cembre for products not listed.

Conductor AWG		Ø Stud in.	Ref.	Dimensions in.						Color Code	Quantity Box	Mechanical Tools	Hydraulic Tools																																																												
Size	Navy			Øi	B	M	N	L	d																																																																
8	23	# 10 fh		0.18	10,0	6,5	6,0	37,5	5,3	RED	400/50	HN5	B15MD																																																												
		1/4 CL8-14	0.18	11,0	7,0	6,0	38,0	6,4	400/50																																																																
		3/8 CL8-38	0.18	18,0	11,0	10,0	46,0	10,5	400/50																																																																
6		# 10 CL6-10	0.22	11,5	6,5	6,0	40,0	5,3	BLUE	400/50																																																															
		1/4 CL6-14	0.22	11,5	7,0	6,0	40,5	6,4		400/50																																																															
		1/2 CL6-12	0.22	20,0	14,0	12,0	53,5	13,2		400/50																																																															
4	40	# 10 CL4-10	0.24	12,5	6,5	6,0	47,0	5,3	GRAY	400/50																																																															
		1/4 CL4-14	0.24	12,5	7,0	6,0	47,5	6,4		400/50																																																															
		3/8 CL4-38	0.24	18,0	11,0	10,0	55,5	10,5		400/50																																																															
		1/2 CL4-12	0.24	20,0	14,0	12,0	60,5	13,2		400/50																																																															
3	50	1/4 CL3-14	0.27	14,0	7,0	6,0	47,5	6,4	WHITE	200/100																																																															
		5/16 CL3-516	0.27	15,0	9,0	8,0	51,5	8,4		200/100																																																															
		3/8 CL3-38	0.27	18,0	11,0	10,0	55,5	10,5		200/100																																																															
		1/2 CL3-12	0.27	21,0	14,0	12,0	60,5	13,2		200/100																																																															
2	60	# 10 CL2-10	0.29	17,0	6,5	6,0	46,0	5,3	BROWN	200/50																																																															
		1/4 CL2-14	0.29	17,0	7,0	6,0	46,5	6,4		200/50																																																															
		5/16 CL2-516	0.29	17,0	9,0	8,0	50,5	8,4		200/50																																																															
		1/2 CL2-12	0.29	21,0	14,0	12,0	59,5	13,2		200/50																																																															
1	75	# 10 CL1-10	0.35	17,0	6,5	6,0	48,0	5,3	GREEN	200/50																																																															
		5/16 CL1-516	0.35	17,0	9,0	8,0	52,5	8,4		200/50																																																															
		1/2 CL1-12	0.35	21,0	14,0	12,0	61,5	13,2		200/50																																																															
1/0	100	# 10 CL1/0-10	0.39	19,0	8,0	7,0	53,5	5,3	PINK	100/50																																																															
		5/16 CL1/0-516	0.39	19,0	9,0	8,0	55,5	8,4		100/50																																																															
		3/8 CL1/0-38	0.39	20,0	11,0	10,0	59,5	10,5		100/50																																																															
		1/2 CL1/0-12	0.39	21,0	14,0	12,0	64,5	13,2		100/50																																																															
2/0	125	3/8 CL2/0-38	0.44	21,0	11,0	10,0	67,5	10,5	BLACK	100/50																																																															
		1/2 CL2/0-12	0.44	22,0	14,0	12,0	72,5	13,2		100/50																																																															
3/0	150	1/2 CL3/0-12	0.48	24,0	14,0	12,0	71,5	13,2	ORANGE	100/50																																																															
4/0	200	3/8 CL4/0-38	0.53	25,0	11,0	10,0	73,5	10,5	PURPLE	60/30																																																															
		1/2 CL4/0-12	0.53	25,0	14,0	12,0	78,5	13,2		60/30																																																															
250 MCM	250	1/2 CL250-12	0.59	28,5	14,0	12,0	84,0	13,2	YELLOW	50/25																																																															
300 MCM	300	1/2 CL300-12	0.65	31,5	16,0	14,0	98,0	13,2	WHITE	30/15																																																															
350 MCM	350	1/2 CL350-12	0.69	33,0	16,0	14,0	98,0	13,2	RED	30/15																																																															
400 MCM	400	1/2 CL400-12	0.75	35,5	16,0	14,0	107,0	13,2	BLUE	20/10																																																															
		5/8 CL400-58	0.75	35,5	19,0	17,0	113,0	17,0		20/10																																																															
500 MCM		1/2 CL500-12	0.83	39,0	16,0	14,0	108,0	13,2	BROWN	20/10																																																															
		5/8 CL500-58	0.83	39,0	19,0	17,0	114,0	17,0		20/10																																																															
600 MCM		1/2 CL600-12	0.93	44,0	20,0	14,0	128,5	13,2	GREEN	10/5																																																															
750 MCM		5/8 CL600-58	0.93	44,0	22,0	19,0	135,5	17,0		10/5																																																															
750 MCM		1/2 CL750-12	1.02	48,0	22,0	19,0	140,5	13,2	BLACK	10/5																																																															
		5/8 CL750-58	1.02	48,0	22,0	19,0	140,5	17,0		10/5																																																															

Also available with inspection hole.

In case of order, add suffix IH to the part number.

E.g.: CL250IH-12

**CL-D**

Color coded copper crimping lugs double hole long barrel for copper conductors

Conductor AWG		Ø Stud in.	Ref.	Dimensions in.							Color Code	Quantity Box	Mechanical Tools	Hydraulic Tools
Size	Navy			Øi	B	M	E	N	L	d				
8	23	1/4	CL8-D14	0.18	0.43	0.28	5/8"	0.24	2.09	0.25	RED	400/50	HMS	B15WD
		1/4	CL8-D141	0.18	0.43	0.28	3/4"	0.24	2.20	0.25	RED	400/50		
		3/8	CL8-D38	0.18	0.71	0.43	1"	0.39	2.78	0.41	RED	400/50		
6		1/4	CL6-D14	0.23	0.45	0.28	5/8"	0.24	2.15	0.25	BLUE	400/50		
		1/4	CL6-D141	0.23	0.45	0.28	3/4"	0.24	2.26	0.25	BLUE	400/50		
		3/8	CL6-D38	0.23	0.71	0.43	1"	0.39	2.83	0.41	BLUE	400/50		
		1/2	CL6-DN	0.23	0.79	0.55	1 3/4"	0.47	3.78	0.52	BLUE	400/50		
4	40	1/4	CL4-D14	0.24	0.49	0.28	5/8"	0.24	2.44	0.25	GRAY	200/50		
		1/4	CL4-D141	0.24	0.49	0.28	3/4"	0.24	2.56	0.25	GRAY	200/50		
		3/8	CL4-D38	0.24	0.71	0.43	1"	0.39	3.13	0.41	GRAY	200/50		
		1/2	CL4-DN	0.24	0.79	0.55	1 3/4"	0.47	4.07	0.52	GRAY	200/50		
3	50	3/8	CL3-D38	0.28	0.71	0.43	1"	0.39	3.13	0.41	WHITE	200/50		
		1/2	CL3-DN	0.28	0.83	0.55	1 3/4"	0.47	4.07	0.52	WHITE	200/50		
2	60	1/4	CL2-D14	0.30	0.67	0.28	5/8"	0.24	2.40	0.25	BROWN	200/50		
		1/4	CL2-D141	0.30	0.67	0.28	3/4"	0.24	2.52	0.25	BROWN	200/50		
		3/8	CL2-D38	0.30	0.75	0.43	1"	0.39	3.09	0.41	BROWN	100/50		
		1/2	CL2-DN	0.30	0.83	0.55	1 3/4"	0.47	4.04	0.52	BROWN	100/50		
1	75	1/4	CL1-D14	0.35	0.67	0.28	5/8"	0.24	2.48	0.25	GREEN	200/50		
		1/4	CL1-D141	0.35	0.67	0.28	3/4"	0.24	2.60	0.25	GREEN	200/50		
		3/8	CL1-D38	0.35	0.75	0.43	1"	0.39	3.17	0.41	GREEN	100/25		
		1/2	CL1-DN	0.35	0.83	0.55	1 3/4"	0.47	4.11	0.52	GREEN	100/25		
1/0	100	1/4	CL1/O-D14	0.39	0.75	0.31	5/8"	0.28	2.68	0.25	PINK	100/25		B550CA B550CA B550CA B550CA B550CA B550CA B550CA B550CA B550CA B550CA B550CA B550CA
		1/4	CL1/O-D141	0.39	0.75	0.31	3/4"	0.28	2.80	0.25	PINK	100/25		
		3/8	CL1/O-D38	0.39	0.79	0.43	1"	0.39	3.29	0.41	PINK	100/25		
		1/2	CL1/O-DN	0.39	0.83	0.55	1 3/4"	0.47	4.23	0.52	PINK	100/25		
2/0	125	1/4	CL2/O-D14	0.44	0.83	0.31	5/8"	0.28	2.99	0.25	BLACK	60/30		
		1/4	CL2/O-D141	0.44	0.83	0.31	3/4"	0.28	3.11	0.25	BLACK	60/30		
		3/8	CL2/O-D38	0.44	0.83	0.43	1"	0.39	3.60	0.41	BLACK	60/30		
		1/2	CL2/O-DN	0.44	0.87	0.55	1 3/4"	0.47	4.55	0.52	BLACK	60/30		
3/0	150	1/4	CL3/O-D141	0.49	0.91	0.31	3/4"	0.28	3.23	0.25	ORANGE	60/30		
		3/8	CL3/O-D38	0.49	0.91	0.43	1"	0.39	3.72	0.41	ORANGE	60/30		
		1/2	CL3/O-DN	0.49	0.94	0.55	1 3/4"	0.47	4.67	0.52	ORANGE	60/30		
4/0	200	1/4	CL4/O-D141	0.53	0.98	0.51	3/4"	0.43	3.70	0.25	PURPLE	50/25		
		3/8	CL4/O-D38	0.53	0.98	0.43	1"	0.39	3.84	0.41	PURPLE	50/25		
		3/8	CL4/O-DN38	0.53	0.98	0.43	1 3/4"	0.39	4.59	0.41	PURPLE	50/25		
		1/2	CL4/O-DN	0.53	0.98	0.55	1 3/4"	0.47	4.78	0.52	PURPLE	50/25		
250 MCM	250	3/8	CL250-D38	0.60	1.12	0.43	1"	0.39	4.06	0.41	YELLOW	40/20		
		1/2	CL250-DN	0.60	1.12	0.55	1 3/4"	0.47	5.00	0.52	YELLOW	40/20		
300 MCM	300	3/8	CL300-D38	0.66	1.24	0.51	1"	0.43	4.57	0.41	WHITE	30/15		
		1/2	CL300-DN	0.66	1.24	5/8"	1 3/4"	0.55	5.55	0.52	WHITE	30/15		
350 MCM	350	1/4	CL350-D141	0.69	1.30	0.51	3/4"	0.43	4.31	0.25	RED	30/15		
		3/8	CL350-D38	0.69	1.30	0.51	1"	0.43	4.57	0.41	RED	30/15		
		1/2	CL350-DN	0.69	1.30	5/8"	1 3/4"	0.55	5.55	0.52	RED	30/15		
400 MCM	400	1/4	CL400-D141	0.76	1.40	0.51	3/4"	0.43	4.67	0.25	BLUE	20/10		
		3/8	CL400-D38	0.76	1.40	0.51	1"	0.43	4.92	0.41	BLUE	20/10		
		1/2	CL400-DN	0.76	1.40	5/8"	1 3/4"	0.55	5.91	0.52	BLUE	20/10		
500 MCM		1/4	CL500-D141	0.83	1.54	0.51	3/4"	0.43	4.70	0.25	BROWN	20/10		
		3/8	CL500-D38	0.83	1.54	0.51	1"	0.43	4.96	0.41	BROWN	10/5		
		1/2	CL500-DN	0.83	1.54	5/8"	1 3/4"	0.55	5.94	0.52	BROWN	10/5		
600 MCM		3/8	CL600-D38	0.93	1.73	0.79	1"	0.43	5.89	0.41	GREEN	20/5		
		1/2	CL600-DN	0.93	1.73	0.79	1 3/4"	0.55	6.75	0.52	GREEN	20/5		
750 MCM		3/8	CL750-DN38	1.02	1.89	0.79	1 3/4"	0.43	6.83	0.41	BLACK	15/5		
		3/8	CL750-D38	1.02	1.89	0.79	1"	0.43	6.08	0.41	BLACK	15/5		
		1/2	CL750-DN	1.02	1.89	0.79	1 3/4"	0.55	6.95	0.52	BLACK	15/5		

CL series lugs are manufactured from electrolytic copper tube.

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

Cembre lugs are annealed to guarantee optimum ductility, an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

In applications subject to vibration, terminals have to perform a reliable connection, the annealing process plays a vital role in avoiding cracking or breaks between the barrel and palm.

The barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

Lugs are electrolytically tin-plated to avoid oxidization.

The tongue is clearly marked with wire size and die index for Cembre tools.

UL listed for US and Canada per UL486A up to 35 KV.

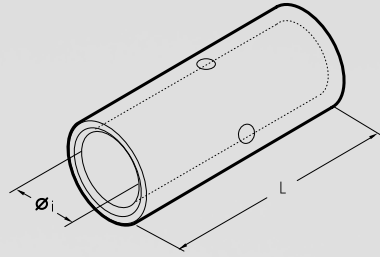
CL series lugs are an important part of Cembre crimping systems for power carrying conductors.

Cembre technicians are available to provide technical advice as required.

Please consult Cembre for products not listed.

L-M

Through Connectors



Conductor Size AWG	Ref.	Dimensions in.		Quantity Box/Bag	Mechanical Tools	Hydraulic Tools		
		Øi	L					
22÷16	L 03-M*	0.07	0.59	6,000/100		HN5	B 15MA	
16÷14	L 06-M*	0.09	0.59	4,000/100				
12÷10	L 1-M*	0.14	0.87	2,000/100				
8	L 2-M	0.18	0.98	1,000/100				
6	L 3-M	0.23	1.06	1,000/100				
4	L 5-M	0.28	1.14	500/100			RH 50 B 500A B500nd B 550CA B1300L-CA and similar tools for U B1500A	
2	L 7-M	0.35	1.30	400/100				
2-01-2000	L 10-M	0.39	1.46	200/50				
1/0-2/0	L 14-M	0.44	1.54	200/50				
2/0-3/0	L 19-M	0.53	1.69	100/25				
3/0-250	L 24-M	0.60	1.85	100/25				
250-300 MCM	L 30-M	0.66	2.28	50/25				
300-350 MCM	L 37-M	0.76	2.52	50/25				
350-500 MCM	L 48-M	0.83	2.95	30/15				
500-600 MCM	L 60-M	0.93	3.54	20/10				
800 MCM	L 80-M	1.06	3.70	15/5				
1000 MCM	L 100-M	1.19	3.86	12/1				
1250 MCM	L 120-M*	1.31	4.13	12/1				
1500 MCM	L 160-M*	1.50	4.41	9/1				
2000 MCM	L 200-M*	1.73	4.72	6/1				

For crimping large diameters, contact Cembre Inc.

L-M range of connectors are designed for jointing low voltage conductors.

Made of electrolytic copper tube having the same dimension as A-M series lugs: L-M connectors are annealed and electrolytically tin plated.

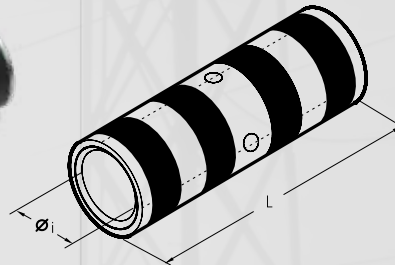
They feature an internal taper at both ends to ease the introduction of the conductor and a central stop to ensure correct positioning.

UL listed per UL486A up to 35 KV.

*Not UL approved

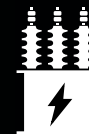
BSCL

Color Coded Splices long barrel



BSCL range of connectors are designed for jointing low voltage conductors in heavy duty applications. Made of electrolytic copper tube having the same dimension as C and CL series lugs, BSCL connectors are annealed and electrolytically tin plated. They feature an internal taper at both ends to ease the introduction of the conductor and a central stop to ensure correct positioning. **UL listed for US and Canada per UL486A up to 35 KV.**

Conductor Size AWG	Ref.	Dimensions in.		Color Code	Quantity Box	Mechanical Tools	Hydraulic Tools		
		Øi	L						
8	BSCL8	0.18	1.99	RED	600/150	HN5	B15MD	B550CA	
6	BSCL6	0.23	1.99	BLUE	400/100				
4	BSCL4	0.24	2.38	GRAY	200/100				
3	BSCL3	0.28	2.38	WHITE	200/50				
2	BSCL2	0.30	2.38	BROWN	200/50				
1	BSCL1	0.35	2.58	GREEN	200/50		RH 50 B 500 B500nd B 550CA B1300L-CA and similar tools for U B1500A		
1/0	BSCL1/0	0.39	2.87	PINK	200/50				
2/0	BSCL2/0	0.44	3.11	BLACK	100/50				
3/0	BSCL3/0	0.49	3.11	ORANGE	80/40				
4/0	BSCL4/0	0.53	3.37	PURPLE	50/25				
250 MCM	BSCL250	0.60	3.37	YELLOW	50/25				
300 MCM	BSCL300	0.66	4.11	WHITE	40/20				
350 MCM	BSCL350	0.69	4.11	RED	40/20				
400 MCM	BSCL400	0.76	4.37	BLUE	20/10				
500 MCM	BSCL500	0.83	4.61	BROWN	20/10				
600 MCM	BSCL600	0.93	5.49	GREEN	20/10				
750 MCM	BSCL750	1.02	5.87	BLACK	10/10				



AR61E - AR61DE

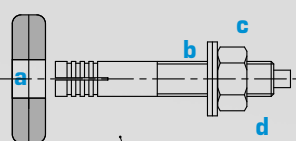
Bonding system for grounding application

Electrical Permanent Contact for type AR 61E and AR61DE for hole diameter 7/8"

The Single Side Bonding System has been designed around the same basic principles as Cembre's existing systems commonly used for railway applications such as GROUNDING, SIGNALLING and TRACTION:

- Low electrical resistance due to intimate contact between bush and hole surfaces
- Simple installation method that does not depend on operator skill
- Quick and easy to install (2 minutes for complete installation and assembly)
- does not rely on tight hole tolerances

System components are as follows:



TERMINAL LUG

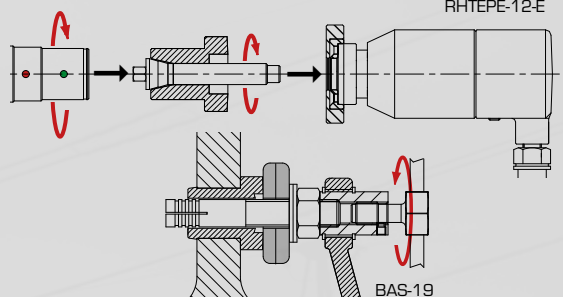
- a - Electrolytically tin-plated copper bush type **AR 61E-1**
- b - M12 steel expansion bolt
- c - locking washer
- d - M12 stainless steel self-lock nut

Electrical and mechanical testing has been carried out on the system including:

- Temperature cycling
- High current loading
- Salt chamber corrosion testing
- Mechanical flexion testing

To be installed by:

Hydraulic tool type **RHTEPE-12-E** and **BAS-19**



HTEPE12

System consisting of:

- Hydraulic tool type **HTEPE12E**, manually operated. Head connected to the pumping body through a flexible pipe 900 mm long.
- 2 units of plungers **OG 13.2** type in special Steel.
- type **CAL 19.20** gauge for both check of the rail hole and for screwing of the plunger into the **HTEPE12E** tool.
- metal case type **VAL HTEP**.

Dimensions:

Pump body:	length	10.8 in.
	width	5.11 in.
Head:	length	4.17 in.
Total weight:		6.6 lb



RHTEPE12

System consisting of:

- Hydraulic head type **RHTEPE12E** to be connected to a pump developing a nominal pressure of 700 bar
- 2 units of plungers **OG 13.2** type in special Steel
- type **CAL 19.20** gauge for both check of the rail hole and for screwing of the plungers itself into the head
- metal case type **VAL RHTEP**

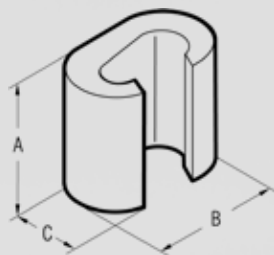
Dimensions:

length:	4.17 in.
weight:	6.6 lb



C-C

Tin plated sleeve connectors

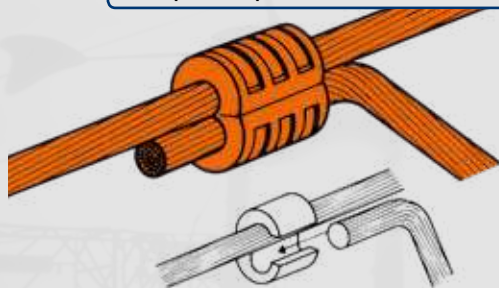


"C" connectors are manufactured from high purity copper profiles and are suitable for a variety of uses either to create an earthing network or tapping off from overhead distribution lines. Each connector is marked as follows:

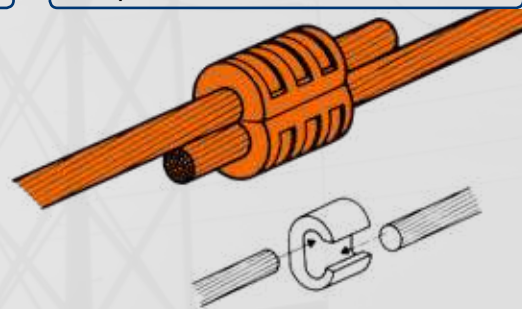
- Cembre trade mark
- Reference number
- Conductor size-Run
- Conductor size-Tap
- Number of crimps
- Die reference.

Conductor Size AWG		Ref.	Dimensions in.			Quantity Box/Bag	Mechanical Tools	
Run	Tap		A	B	C			
#9÷#13	#9÷#15	C 6-C 6 ST	0.35	0.39	0.25	1,000/100	HP4-C10	B550CA
#7	#7÷#15	C 10-C 10 ST	0.47	0.50	0.33	500/100		
#5	#5÷#15	C 16-C 16 ST	0.67	0.76	0.47	500/100		
#3÷#5	#7÷#15	C 25-C 10 ST	0.67	0.78	0.51	400/50		
#3	#3÷#5	C 25-C 25 ST	0.67	0.84	0.51	300/50		
#1÷#2	#5÷#15	C 35-C 16 ST	0.83	0.97	0.61	200/25	RH 50	B500nd B500 HT 120 and tools and heads with 130 kN crimping force
#1÷#2	#1÷#3	C 35-C 35 ST	0.83	1.05	0.61	200/25		
1/0	#3÷#7	C 70-C 25 N ST	0.83	1.04	0.69	200/25		
2/0	#3÷#15	C 50-C 25 ST	0.98	1.30	0.83	100/25		
1/0	#3÷#11	C 50-C 50 ST	1.02	1.30	0.83	100/25		
2/0÷1/0	#1	C 70-C 35 ST	1.10	1.30	0.83	100/25		
2/0÷1/0	2/0÷#11	C 70-C 70 ST	1.10	1.34	0.83	100/25		
4/0	#1	C 95-C 35 ST	1.14	1.60	1.02	50/25		
4/0	2/0	C 95-C 70 ST	1.14	1.61	1.02	50/25		
4/0	4/0	C 95-C 95 ST	1.14	1.61	1.02	50/25		
250÷4/0	250÷#3	C 120-C 120 ST	1.18	1.77	1.10	50/25		
300 MCM	250÷#3	C 150-C 120 ST	1.22	1.77	1.10	50/25		
300 MCM	300 MCM	C 185-C 95 ST	1.22	1.77	1.10	50/25		
350 MCM	4/0÷#5	C 185-C 95 ST	1.22	1.77	1.10	50/25		
350÷250 MCM	350÷250 MCM	C 240-C 120 ST	0.89	2.68	1.34	50/25		

Example of tap connection

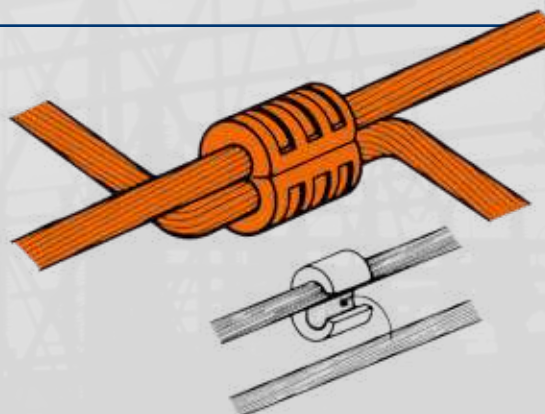


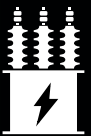
Example of joint connection



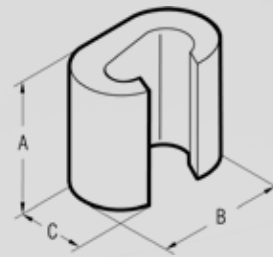
Example of joining two running conductors

Conductor Size AWG	Ref.
3-3	C 35-C 16 ST
2-2	C 35-C 35 ST
1/0-1/0	C 70-C 70 ST
2/0-2/0	C 95-C 70 ST
3/0-3/0	C 150-C 120 ST
250-250 MCM	C 150-C 150 ST
300-300 MCM	C 185-C 95 ST
250-250 MCM	C 185-C 95 ST





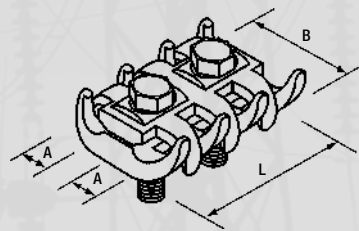
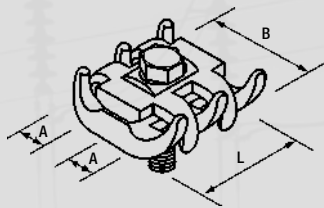
C-C



Tin plated sleeve connectors

Conductor Size AWG		Ref.	Dimensions in.			Quantity Box/Bag	Mechanical Tools	Hydraulic Tools							
Run	Tap		A	B	C										
#9÷#13	#9÷#15	C 6-C 6	0.35	0.39	0.25	1,000/100	HP4-C10	B 35-45MD B 35-50MD HT 45 B 500 RH 50 RHU 81	HT 51 HT 81-U	UT 400 UT 420 UT 430 UT 440 UT 450 UT 460 UT 470 UT 480 UT 490 UT 500 UT 510 UT 520 UT 530 UT 540 UT 550 UT 560 UT 570 UT 580 UT 590 UT 600 UT 610 UT 620 UT 630 UT 640 UT 650 UT 660 UT 670 UT 680 UT 690 UT 700 UT 710 UT 720 UT 730 UT 740 UT 750 UT 760 UT 770 UT 780 UT 790 UT 800 UT 810 UT 820 UT 830 UT 840 UT 850 UT 860 UT 870 UT 880 UT 890 UT 900 UT 910 UT 920 UT 930 UT 940 UT 950 UT 960 UT 970 UT 980 UT 990 UT 1000					
#7	#7÷#15	C 10-C 10	0.47	0.50	0.33	500/100									
#5	#5÷#15	C 16-C 16	0.67	0.76	0.47	500/100									
#3÷#5	#7÷#15	C 25-C 10	0.67	0.78	0.51	400/50									
#3	#3÷#5	C 25-C 25	0.67	0.84	0.51	300/50									
#1÷#2	#5÷#15	C 35-C 16	0.83	0.97	0.61	200/25									
#1÷#2	#1÷#3	C 35-C 35	0.83	1.05	0.61	200/25									
1/0	#3÷#7														
2/0	#3÷#15	C 70-C 25 N	0.83	1.04	0.69	200/25									
1/0	#3÷#11	C 50-C 25	0.98	1.30	0.83	100/25									
1/0	1/0÷#2	C 50-C 50	1.02	1.30	0.83	100/25									
2/0÷1/0	#1	C 70-C 35	1.10	1.30	0.83	100/25									
2/0÷1/0	2/0÷#11	C 70-C 70	1.10	1.34	0.83	100/25									
4/0	#1	C 95-C 35	1.14	1.60	1.02	50/25									
4/0	2/0	C 95-C 70	1.14	1.61	1.02	50/25									
4/0	4/0	C 95-C 95	1.14	1.61	1.02	50/25									
250÷4/0	250÷#3	C 120-C 120	1.18	1.77	1.10	50/25									
300 MCM	250÷#3	C 150-C 120	1.22	1.77	1.10	50/25									
300 MCM	300 MCM														
350 MCM	4/0÷#5	C 185-C 95	1.22	1.77	1.10	50/25									
350÷250 MCM	350÷250 MCM														
500÷300 MCM	250÷2/0	C 240-C 120	0.89	2.68	1.34	50/25									

Featuring same characteristics of tin plated version, (see opposite page).



Single bolt fixing

Conductor Size AWG	Ref.	Ø A for cable in.	Dimensions in.		Quantity Box/Bag
			B	L	
10÷6	2323	0.12÷0.20	0.94	0.79	50
6÷1/0	2326	0.20÷0.31	1.18	0.98	50
2÷2/0	2329	0.28÷0.47	1.54	1.18	25

2 bolt fixing

Conductor Size AWG	Ref.	Ø A for cable in.	Dimensions in.		Quantity Box/Bag
			B	L	
10÷6	2333	0.12÷0.20	0.96	1.18	50
6÷1/0	2336	0.20÷0.31	1.26	1.57	50/50
2÷2/0	2339	0.28÷0.47	1.54	1.69	25/25
1/0÷3/0	2342	0.31÷0.55	1.89	1.89	10
2/0÷300	2344	0.55÷0.63	2.01	2.09	20/10
300÷400-600	2346*	0.63÷0.87	2.60	2.60	5/5

* Stainless Steel bolts

Cable clamps

Tin plated sleeve connectors



Material:
Brass CB754S EN 1982
Zinc plated steel bolts.
Zinc plated steel nut.

B500nd® Series Tools

6 Ton - 18.0 V Cordless Hydraulic Crimping Tool

B500ND is the first of a new generation of hand-held cordless tools, characterized by the “**Bilinear**” structure of the tool's mechanics.

Equipped with intelligent automatic return at the end of the pressing cycle (**Smart Release**).

Equipped with Li-Ion 18 V-2Ah rechargeable high capacity batteries.

Suitable for a wide range of connectors up to 600 MCM using die sets common to the Cembre 6 ton tooling range.

Fitted with a maximum pressure sensor for enhanced precision and repeatability of the maximum pressure cycle, and a pressure relief valve providing additional safety for the operator.

Electronic Pressure System

The EPS guarantees the precision of the crimping operation, check-

ing the actual value of pressure and informing the operator about possible errors (**EPS**).

The OLED display provides essential real time operating data, including:

- crimping force generated, thus verifying accordance with best practice
- battery charge status
- general operating information
- the number of work cycles completed and remaining before recommended maintenance.

Expressed in our designs, here weight and balance have been reconfigured to yield advances in handling and convenience.

The more rigid structure of the bi-component plastic body provides greater mechanical protection while its rubber inserts boost operator safety and comfort.

Quieter operation, illumination of the working area via LED lights and a minimum of vibration make for even more practical use.



The integrated memory card enables the user to store data from up to 200,000 compression cycles for transfer to a computer via a USB communication interface.

(**SMARTOOL technology**).

B540ND is the professional tool ideal for OH lines and residential service applications.

NEW GENERATION OF CEMBRE “BILINEAR” CORDLESS CRIMPING TOOLS

Operating features:

- Bilinear structure of the tool's mechanics
- Intelligent automatic return at the end of the cycle (Smart Release)
- OLED multifunctional display with touch button
- Electronic Pressure Sensor (EPS)
- SMARTOOL technology for viewing and downloading operational data.
- 180° rotating head
- Start button protected against accidental operation
- Manual pressure release button
- 4 LED lighting of the working area
- Bi-component plastic body
- Anatomical shaping for more convenient and practical grip
- Li-Ion 18.0 V-2Ah rechargeable high capacity battery
- Automatic battery connection system with release button

Control of the correct battery operation

The tool electronics constantly monitors the battery's characteristic parameters such as generated temperature / voltage

/ current to prevent accidental damage and maximize its duration.



4 LED lighting of the working area



Manual pressure release button

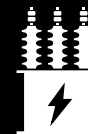


Automatic battery connection



OLED multifunctional display





Smart Release Technology

"Smart Release Technology" is an original development of a new, intelligent oil pressure release system developed by Cembre.



When "Smart Release" is selected, the motor stops at the end of the cycle and the ram retracts automatically only when the start button is released allowing the operator to visually check the press jaws have contacted before releasing.

It's worth knowing that similar tools with 'standard' automatic return do not permit this visual verification that full compression has taken place before releasing pressure.



Electronic Pressure Sensor

The EPS guarantees the precision of the crimping operation, checking the actual value of pressure and informing the operator about possible errors.



"Bilinear" Structure

To move the center of gravity of the mechanism to a position closest to the operator's wrist holding the tool, Cembre decided to opt for a misalignment between the drive mechanism of the pumping group and the hydraulic.

This also allowed for a wider support for the hand by optimizing the overall ergonomics of the tool.

Two solutions that advantageously reduce the torque generated on the operator's wrist and best distribute the stresses acting on his hand.



Data recording and intelligent control of the correct working of the tool

The new Bilinear tools record all work cycle data and any errors / malfunctions that may occur throughout the machine life.

These data can be viewed directly on the PC through its dedicated software.

B500NDA

6 Ton - 18.0V Cordless Hydraulic crimping tool



TOOL					
Crimping Force ton	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
	length	height	width		
6	5.3	15.6	3.18	18.0 V 2.0 Ah	6.6
STORAGE					
Type	Dimensions in.		Weight lbs	Supplied with the tool	Purchase separately
VALP22	18.3x12.4x4.5		5.7	✓	—
MAIN APPLICATIONS - max size MCM					
Copper lugs and splices	Insulated terminals		End sleeves	"C" sleeve connectors	
600 MCM	250 MCM		250 MCM	2/0	

The 6 ton B500ND is suitable for a wide range of connectors up to 600 MCM using die sets common to the Cembre 6 ton tooling range.

For ease of operation and comfort of the operator, the tool head rotates 180 degrees. New Li-Ion 18V 2Ah batteries offer a high capacity, while greater crimping speed and crimping force result from a revitalised hydraulic system with double speed action: a rapid approach of the dies to the connector then a slower, more powerful speed for crimping.

A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the pressure cycle and double the provision for operator safety.

The OLED display provides essential real time tool operating information data including:

- Crimping pressure and force being generated, for confirmation of adherence to norms and best practice
- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service crimping cycles
- Tool service required to maintain optimum condition.

Designed with improved balance, B500ND is easily manageable during the crimping process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

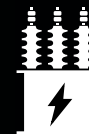
Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface.

Operating temperature:
+5 to +122°F

The tool is supplied with:

- **CB 1820L**, Battery Li-Ion 18.0 V 2.0 Ah (2 pcs.)
- **ASC30-36 USA/CAN 27046000**, charger (INPUT 115 V / 60 Hz; OUTPUT 12-42 V DC / 3.0 A max.)
- USB cable
- Shoulder strap
- Plastic carrying case suitable for the tool





B500A-KV

6 Ton - 18.0V Cordless Hydraulic crimping tool

TOOL				
Crimping Force ton	Dimensions in.			Battery Li-Ion
	length	height	width	Weight lbs (with battery)
6	11.8	13.5	3.3	18.0 V 4.0 Ah 9.2
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VALP40	20.5x17x5.0	5.7	✓	—
MAIN APPLICATIONS - max size MCM				
Copper lugs and splices	Insulated terminals	End sleeves	"C" sleeve connectors	
600 MCM	250 MCM	250 MCM	2/0	

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and 14 die sets



The next generation of Cembre cordless hydraulic tools represents a significantly advantageous evolution from current models.

Born of the renowned B51A type crimping tool, the 6 ton B500A is suitable for a wide range of connectors up to 600 MCM using die sets common to the Cembre 6 ton tooling range.

New Li-Ion 18V 4Ah batteries offer a high capacity, while greater crimping speed and crimping force result from a revitalised hydraulic system with double speed action:

a rapid approach of the dies to the connector then a slower, more powerful speed for crimping.

A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the pressure cycle and double the provision for operator safety. For ease of operation and comfort of the operator, the tool head rotates 180 degrees.

The OLED display provides essential real time tool operating information data including:

- Crimping pressure and force being generated, for confirmation of adherence to norms and best practice
- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service crimping cycles
- Tool service required to maintain optimum condition.

Designed with improved balance, B500A is easily manageable during the crimping process and, by the use of bi-component plastics, has

a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface.

Operating temperature: +5 to +122°F



B500A

6 Ton - 18.0V Cordless Hydraulic crimping tool

TOOL				
Crimping Force ton	Dimensions in.			Battery Li-Ion
	length	height	width	Weight lbs (with battery)
6	11.8	13.5	3.3	18.0 V 4.0 Ah 9.2
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VALP40	20.5x17x5.0	5.7	✓	—
MAIN APPLICATIONS - max size MCM				
Copper lugs and splices	Insulated terminals	End sleeves	"C" sleeve connectors	
600 MCM	250 MCM	250 MCM	2/0	
CRIMPS FOR CHARGE				
Terminal	Conductor (AWG)	Die Set	Approx. No of crimps	
Cembre Copper tube crimping lugs	3	ME5-50	⬡	614
	250 MCM	ME24-50	⬡	328
	500 MCM	ME48-50	⬡	252



B1300L-CA-KV

12 Ton - 18.0 V Cordless Hydraulic Crimping Tool



Available in
MAKITA & METABO
version

The next generation of Cembre cordless hydraulic tools represents a significantly advantageous evolution from current models. Born of the renowned B131LN-CA type crimping tool, B1300L-CA-KV will accept all semi-circular slotted dies, common to most 12 ton tools (U dies). **Featuring a large 1.65 in. jaw opening, for an easier introduction/removal of large size compression terminations and joints.** New Li-Ion 18 V 4.0 Ah batteries offer a high capacity, while greater

crimping speed and crimping force result from a revitalised hydraulic system with double speed action: a rapid approach of the dies to the connector then a slower, more powerful speed for crimping. A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the pressure cycle and double the provision for operator safety. For ease of operation and comfort of the operator, the tool head rotates 180 degrees. The OLED display provides essential real time

tool operating information data including:

- Crimping pressure and force being generated, for confirmation of adherence to norms and best practice
- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service crimping cycles
- Tool service required to maintain optimum condition.

Designed with improved balance, B1300L-CA-KV is easily manageable during the crimping process

and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface.

Operating temperature:
+5 to +122°F



TOOL

Crimping Force ton	Dimensions in.			Jaw Opening in.	Battery Li-Ion	Weight lbs (with battery)
12*	length	height	width	1.65	18.0 V 4.0 Ah	17.6

STORAGE

Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VALP44	26.8x18.6x5.9	8.2	✓	—

MAIN APPLICATIONS - max size MCM

Copper lugs and splices	Aluminum lugs and splices	"C" sleeve connectors
800	up to 750	350

*Conventional force

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and 12 die sets



B1300L-CA

12 Ton - 18.0 V Cordless Hydraulic Crimping Tool



TOOL

Crimping Force ton	Dimensions in.			Jaw Opening in.	Battery Li-Ion	Weight lbs (with battery)
12*	length	height	width	1.65	18.0 V 4.0 Ah	17.6

STORAGE

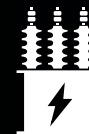
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VALP44	26.8x18.6x5.9	8.2	✓	—

MAIN APPLICATIONS - max size MCM

Copper lugs and splices	Aluminum lugs and splices	"C" sleeve connectors
800	up to 750	350

*Conventional force

Available in
MAKITA & METABO
version



B1350L-CA-KV

12 Ton - 18.0 V Cordless Hydraulic Crimping Tool

TOOL						
Crimping Force ton	Dimensions in.			Jaw Opening in.	Battery Li-Ion	Weight lbs (with battery)
	length	height	width			
12*	15.5	14.6	3.3	1.65	18.0 V 4.0 Ah	17.8
STORAGE						
Type	Dimensions in.		Weight lbs	Supplied with the tool Purchase separately		
VALP39	20.5x17x5.0		5.7	✓	—	
MAIN APPLICATIONS - max size MCM						
Copper lugs and splices		Aluminum lugs and splices		"C" sleeve connectors		
800		up to 750		350		
*Conventional force						



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and 8 sets of semi-circular slotted dies

The next generation of Cembre cordless hydraulic tools represents a significantly advantageous evolution from current models.

Born of the renowned B135LN-CA type crimping tool, B1350L-CA will accept all semi-circular slotted dies, common to most 12 ton tools (U dies).

Featuring a large 1.65 in. jaw opening, for an easier introduction/removal of large size compression terminations and joints.

For ease of operation and comfort

of the operator, the tool head rotates 180 degrees. New Li-Ion 18 V 4.0 ah batteries offer a high capacity, while greater crimping speed and crimping force result from a revitalised hydraulic system with double speed action: a rapid approach of the dies to the connector then a slower, more powerful speed for crimping.

A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the pressure cycle and double the provi-

sion for operator safety.

The OLED display provides essential real time tool operating information data including:

- Crimping pressure and force being generated, for confirmation of adherence to norms and best practice
- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service crimping cycles
- Tool service required to maintain optimum condition.

Designed with improved balance, B1350L-CA is easily manageable during the crimping process and, by the use of bi-component plastics, has

a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface.

Operating temperature:
+5 to +122°F






Available in
MAKITA & METABO
version



B1350L-CA

12 Ton - 18.0 V Cordless Hydraulic Crimping Tool

TOOL							
Crimping Force ton	Dimensions in.			Jaw Opening in.	Battery Li-Ion	Weight lbs (with battery)	
12*	15.5	14.6	3.3	1.65	18.0 V 4.0 Ah	17.8	
STORAGE							
Type	Dimensions in.			Weight lbs	Supplied with the tool Purchase separately		
VALP39	20.5x17x5.0			5.7	✓	—	
MAIN APPLICATIONS - max size MCM							
Copper lugs and splices		Aluminum lugs and splices			"C" sleeve connectors		
800		up to 750			350		
CRIMPS FOR CHARGE							
Terminal	Conductor (AWG)		Die Set		Approx. No of crimps		
Cembre Copper tube crimping lugs	3		ME5-C			150	
	250 MCM		ME24-C			116	
	500 MCM		ME48-C			95	

*Conventional force



Available in
MAKITA & METABO
version

RH50

6 Ton - Hydraulic Presshead



TOOL				
Crimping force ton	Max operating pressure psi	Dimensions in.		Weight lbs
		length	width	
6	10,000	7.7	3	3.5

STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VALP39*	17.52x11.42x3.74	2.6	✓	—
Canvas bag 007	13.78x4.13	0.3	—	✓

* Suitable for storage of the tool and 20 sets of dies.

MAIN APPLICATIONS - max size MCM			
Copper lugs and splices	Insulated terminals	End sleeves	"C" sleeve connectors
600 MCM	250 MCM	250 MCM	2/0

Hydraulic presshead complete with a 3/8" NPT male automatic coupler to be connected to a hydraulic pump developing a maximum pressure of 10,000 psi. The RH 50 head uses the same dies as the HT 51.

RHC131LN-KV

12 Ton - Hydraulic Presshead



TOOL					
Crimping force ton	Max operating pressure psi	Dimensions in.		Jaw Opening in.	Weight lbs
		length	width		
12*	10,000	11.7	4.8	1.7	11.9

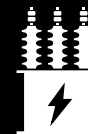
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
CVB-009	15.3x15.3x6.3	1.3	✓	—

MAIN APPLICATIONS - max size MCM		
Copper lugs and splices	Aluminum lugs and splices	"C" sleeve connectors
800	up to 750	350

Hydraulic head featuring a large 1.65 in. jaw opening; complete with quick automatic coupler for connection to a KV hydraulic pump with a working pressure of 10,000 psi max. Is suitable for installing the same range of connectors as HT 131LNC.



10ft flexible hose included, fitted by non conductive oil and fully insulated couplers



B1500A

15 Ton - 18.0 V Cordless Hydraulic Crimping Tool

Available in
MAKITA & METABO
version



TOOL					
Crimping Force ton	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
	length	height	width		
15.0	20.7	9.9	4.0	18.0 V 4.0 Ah	21.4
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VAL B1500	22.2x16.1x4.0	14.7	✓	—	
CONNECTOR RANGE					
COPPER			ALUMINUM		
#8 AWG - 1500 MCM			#8 AWG - 1250 MCM		

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Metal carrying case suitable for storing the tool and 12 die sets



P-DIES			
Copper Conductor (MCM)		DIE SET	
low stranded	multi stranded		
1000		ME 100-P	
1250	1000	ME 120-P	
—	—	MUT9930-P index 301	
—	—	MUT9931-P index 302	



The B1500A with "P" dies.



The B1500A with adapter AU150-C for accepting "U" dies.

The next generation of Cembre cordless hydraulic tools represents a significantly advantageous evolution from current models.

Born of the renowned B150-A type crimping tool, B1500A will accept directly all "P" dies commonly used in industry and, **with the AU150-C adapter, all the semi-circular slotted dies, common to most 12 ton tools (U dies).**

B1500A is able to crimp splices and lugs to 1250 MCM aluminum and 1500 MCM copper.

For ease of operation and comfort of the operator, the tool head rotates 180 degrees.

New Li-Ion 18 V 4.0 Ah batteries offer a high capacity, while greater crimping speed

and crimping force result from a revitalised hydraulic system with double speed action: a rapid approach of the dies to the connector then a slower, more powerful speed for crimping.

A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the pressure cycle and double the provision for operator safety. The OLED display provides essential real time tool operating information data including:

- Crimping pressure and force being generated, for confirmation of adherence to norms and best practice
- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service

crimping cycles

- Tool service required to maintain optimum condition.

Designed with improved balance, B1500A is easily manageable during the crimping process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

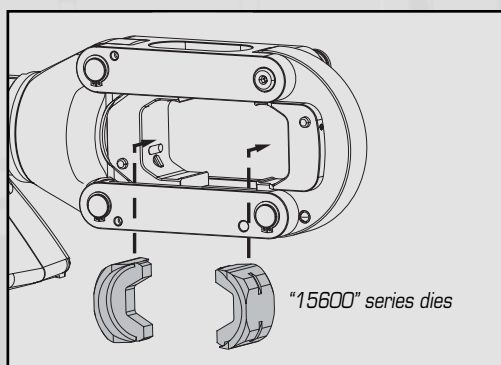
Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface.

Operating temperature: +5 to +122°F



B1500YA

15 Ton - 18.0 V Cordless Hydraulic Crimping Tool



- Uses Thomas & Betts and/or Blackburn shell die

15600 - Fits directly into tool for larger size connectors



RHU600

60 Ton Hydraulic Presshead



Stainless Steel dies available. RHU 600 is supplied without dies. For die selection, please refer to dies chart section, at page 98



VAL 600*Suitable for storage of the head

TOOL					
Crimping force ton	Max operating pressure psi	Dimensions in.		Weight lbs	Weight with support lbs.
		length	width		
60	10,000	17.6	9.5	41.8	49.3
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VAL 600*	18.9x9.2x10.2	18.9	✓	—	
MAIN APPLICATIONS - max size MCM					
Aluminum and Copper					
2156					

The RHU600 is a 60 ton hydraulic presshead for full tension, transmission and substation connections, complete with quick automatic coupler for connection to hydraulic pumps with a working pressure of 10,000psi max. The RHU600 will accept all semi-circular slotted dies common to most 60 ton heads as the Alcoa ones. The die cap is easily removable for the connector positioning. When used in the ground, the HS600 support supplied with the head offers stability; when used in OHL the hanger fitted at the bottom of the pump is an easy lifting point.

B-TC250YA

18.0 V Cordless Hydraulic Cutting Tool



Available in MAKITA & METABO version

TOOL					
Max head opening in.	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
1	length	height	width	18.0 V 4.0 Ah	10.5
1	12.2	13.5	3.3		
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VALP40	20.5x17x5.0	5.7	✓	—	

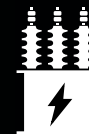
- The tool is supplied as:
- Basic tool with battery and shoulder strap
 - Spare battery
 - AC charger (110-115V)
 - USB cable
 - Plastic carrying case suitable for storing the tool and accessories



Next generation of 18.0V cordless hydraulic cutting tool specifically designed cut copper, aldre, aluminum, aluminum-steel cables, steel ropes having a max overall diameter of 1", guy wire up to 7/8" and steel ground rod up to 5/8". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18 V 4.0 Ah batteries offer a high capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables. Fitted with a maximum hydraulic pressure valve.

Designed with improved balance, B-TC250YA is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Operating temperature: +5 to +122°F





B-TC320NDA

18.0 V Cordless Hydraulic Cutting Tool

TOOL					
Max cutting Ø in.	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
	length	height	width		
1.26	17.5	5.4	3.2	18.0 V 2.0 Ah	8.7
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VALP48	24.4x14.2x5.4	5.3	✓	—	
MAIN APPLICATIONS					
Specifically designed to cut Copper, aldreY, Aluminium, Aluminium-Steel cables and Steel ropes. Aluminium and Steel rods having Ø max 1.26»					

The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and accessories



B-TC320NDA is a new generation of hand-held cordless tools, characterised by a "Bilinear" mechanical design.

B-TC320NDA is specifically designed to cut Copper, aldreY, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having a max overall diameter of 1.26».

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18.0V - 2.0Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

Fitted with a maximum hydraulic pressure valve. Weight and balance have been reconfigured to yield improvements in handling and convenience.

The more rigid structure of the bi-component plastic body provides greater mechanical protection while its rubber inserts boost operator safety and comfort. Quieter operation, illumination of the working area via LED lights and a minimum of vibration enhance the tool's practicality.

Two batteries and AC charger (110-115V) included. Same charger of all our tools.

Operating temperature: +5 to +122°F

CUTTING CAPACITY - a few examples

Section AWG/MCM	Ø		Stranding # x in.	Conductor Type
	in².	in.		
200		0,524	-	RIM120
1/0		0,350	7/0,0208	Bronze
2/0		0,405	19/0,0811	Bronze
4/0		0,492	19/0,0984	Bronze
2/0		0,421	19/0,0843	Aluminium
4/0		0,492	19/0,0984	Aluminium
300		0,620	37/0,0886	Aluminium
	0,500 (BUTTERFLY)	0,915	19/0,183	Aluminium
	0,6244 (ARBUS)	1,026	37/0,1466	Aluminium
	0,0542/0,0093	0,319	6/0,1063 + 1/0,1063	Aluminium-steel
	0,0775/0,0124	0,378	6/0,1260 + 1/0,1260	Aluminium-steel
	0,0775/0,0465	0,461	12/0,0917 + 7/0,0917	Aluminium-steel
	0,1085/0,0186	0,461	26/0,0788 + 7/0,0567	Aluminium-steel
	0,1473/0,0233	0,535	26/0,0846 + 7/0,0657	Aluminium-steel
	0,2325/0,0388	0,673	26/0,1063 + 7/0,0827	Aluminium-steel
	0,2635/0,0620	0,744	30/0,1063 + 7/0,1063	Aluminium-steel
	0,2868/0,0465	0,748	26/0,1181 + 7/0,0717	Aluminium-steel
	0,3565/0,0465	0,827	24/0,1378 + 7/0,0917	Aluminium-steel
	0,3720/0,0620	0,862	26/0,1358 + 7/0,1055	Aluminium-steel
	0,7493/0,0542	1,165	45/0,1472 + 7/0,098	Aluminium-steel
	0,4371/0,0243 (OSPPEY)	0,878	18/0,1758 + 1/0,1758	Aluminium-steel
	0,4371/0,0662 (DOVE)	0,927	26/0,1463 + 7/0,1138	Aluminium-steel
	0,3711 (POPLAR)	0,791	37/0,113	Rope Aluminium Alloy
1/0		0,433	Class 5	Aluminium flex
4/0		0,728	-	Insulated Steel flex
300		0,630	19/0,126	Cu
2/0		0,472	2214/0,0079	Cu extra flex
5		0,232	126/0,0157	Cu flex
250		0,649	608/0,0197	Cu flex
500		0,906	1221/0,0197	Cu flex

B-TC320NDFA

18.0 V Cordless Hydraulic Cutting Tool



TOOL					
Max cutting Ø in.	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
	length	height	width		
1.26	17.5	5.4	3.2	18.0 V 2.0 Ah	8.7
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool Purchase separately		
VALP48	24.4x14.2x5.4	5.3	✓	—	
MAIN APPLICATIONS					
Specifically designed to cut Copper, Aluminum and Telecommunications cable having Ø max 1.26 in.					

- The tool is supplied as:
- Basic tool with battery and wrist strap
 - Spare battery
 - AC charger (110-115V)
 - USB cable
 - Plastic carrying case suitable for storing the tool and accessories



B-TC320NDFA is a new generation of hand-held cordless tools, characterised by a "Bilinear" mechanical design.

B-TC320NDFA is specifically designed to cut Copper, Aluminum and telecommunication cable having a max overall diameter of 1.26".

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18.0V - 2.0Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

Fitted with a maximum hydraulic pressure valve.

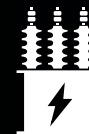
Weight and balance have been reconfigured to yield improvements in handling and convenience.

The more rigid structure of the bi-component plastic body provides greater mechanical protection while its rubber inserts boost operator safety and comfort. Quieter operation, illumination of the working area via LED lights and a minimum of vibration enhance the tool's practicality.

Two batteries and charger included.

Same charger of all our tools.

Operating temperature: +5 to +122°F



B-TC500ND-SCA

18.0V Cordless Hydraulic cutting tool

TOOL					
Max cutting Ø in.	Max operating pressure psi	Dimensions in.			Weight lbs
		length	height	width	
2.1	10,000	20.7	6.0	3.2	8.6
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VAL-P59	24.4 x 14.2 x 5.4	5.3	✓	—	
MAIN APPLICATIONS					
Specifically designed to cut Copper, Aluminum and Telecommunications cable having Ø max 2.1 in.					



The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and accessories



B-TC500ND-SCA is a new generation of hand-held cordless tools, characterised by a "Bilinear" mechanical design.

B-TC500ND-SCA is specifically designed to cut Copper, Aluminum and telecommunication cable having a max overall diameter of 2.1".

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18.0V - 2.0Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

Fitted with a maximum hydraulic pressure valve.

Weight and balance have been reconfigured to yield improvements in handling and convenience.

The more rigid structure of the bi-component plastic body provides greater mechanical protection while its rubber inserts boost operator safety and comfort. Quieter operation, illumination of the working area via LED lights and a minimum of vibration enhance the tool's practicality.

Two batteries and charger included.

Same charger of all our tools.

Operating temperature: +5 to +122°F

B-TC450A

18.0 V Cordless Hydraulic Cutting Tool



Available in
MAKITA & METABO
version

Next generation of 18.0 V cordless hydraulic cutting tool specifically designed cut copper, aldre, aluminium, aluminium-steel cables and steel ropes, aluminium and steel rods having a max overall diameter of 1-3/4". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18 V 4.0 ah batteries offer a high capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

 Ideal for 1590 ACSR and EHS guy wire

TC04N

Hydraulic Cutting Head - Overhead Line Application



 Ideal for 1590 ACSR and EHS guy wire

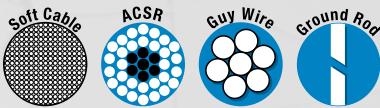


TOOL					
Max head opening in.	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
	length	height	width		
1-3/4	16.0	15.8	3.5	18.0 V 4.0 Ah	14.7
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VALP40	20.5x17x5.0	5.7	✓	—	

- The tool is supplied as:
- Basic tool with battery and shoulder strap
 - Spare battery
 - AC charger (110-115V)
 - USB cable
 - Plastic carrying case suitable for storing the tool and accessories

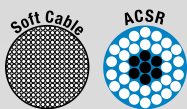
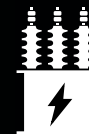


The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables. Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-TC450A is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Operating temperature: +5 to +122°F



TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
		length	width	
1-3/4	10,000	12.2	3.9	8.8
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VAL 04	13.8x4.9x2.7	4.4	✓	—

Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, TC04N has the same cutting capability as HT-TC041N.



TC050Y

Hydraulic Cutting Head - Overhead Line Application

TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
2	10,000	length	width	
		13	4.4	7.3
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
Canvas bag 011	14.2x5.4	0.3	✓	—

Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, TC 050Y features the same cutting capability as HT-TC051Y.



FOR ACSR ONLY



TOOL					
Max head opening in.	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
2	length	height	width		
	15.9	15.6	3.3	18.0 V 4.0 Ah	12.7
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VALP40	20.5x17x5.0	5.7	✓	—	

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and accessories



Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut copper, aluminum, aluminum-steel cables (ACSR) having a max overall diameter of 2". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life.

New Li-Ion 18 V 4.0 Ah batteries offer a high capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 90 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables. Fitted with a maximum hydraulic pressure valve.



FOR ACSR ONLY



B-TC500YA

18.0 V Cordless Hydraulic Cutting Tool



Available in
MAKITA & METABO
version

Designed with improved balance, B-TC500YA is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

Operating temperature:
+5 to +122°F

B-TC650A

18.0 V Cordless Hydraulic Cutting Tool

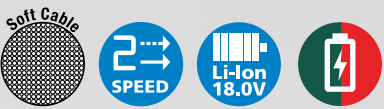


Available in
MAKITA & METABO
version

Next generation of 18.0 V cordless hydraulic cutting tool. Specifically designed to cut copper, aluminum and telecommunication cables having a max overall diameter of 2-9/16". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18 V 4.0 ah batteries offer a high capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. The head can rotate through 335 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow

cutting of running cables. Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-TC650A is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

Operating temperature:
+5 to +122°F



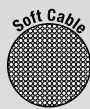
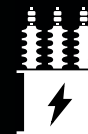
TOOL				
Max head opening in.	Dimensions in.			Weight lbs (with battery)
	length	height	width	
2-9/16	16.9	16.3	3.3	14.1
BATTERY				
				18.0 V 4.0 Ah
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VALP40	20.5x17x5.0	5.7	✓	—



- The tool is supplied as:
- Basic tool with battery and shoulder strap
 - Spare battery
 - AC charger (110-115V)
 - USB cable
 - Plastic carrying case suitable for storing the tool and accessories



Not suitable for cutting steel reinforced conductors



B-TC650-SCA

18.0 V Cordless Hydraulic Cutting Tool

TOOL					
Max head opening in.	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
2-9/16	length	height	width	18.0 V 4.0 Ah	16.9
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VAL B-TC950	22.2x16.1x4.0	14.7	✓	—	

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Metal carrying case suitable for storing the tool and accessories



Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut Copper, Aluminum and telecommunication cables having a max overall diameter of 2-9/16". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. The open head and the "scissor" movement of the blades facilitate the cutting of running cables.

For ease of operation and comfort of the operator, the tool head rotates 180 degrees. New Li-Ion 18 V 4.0 Ah batteries offer a high capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. The head can rotate through 180 degrees,



to enable the operator to work in the most position, and can easily be opened to allow running cables. Fitted with a maximum pressure valve.

Designed with improved balance, SCA is easily manageable during process and, by the use of bi-comotics, has a shell with high resistance damage. Rubber grip inserts, low noise aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

Operating temperature: +5 to +122°F

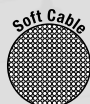
comfortable cutting of hydraulic

B-TC650- the cutting ponent plas- to wear and and minimal vibration

Available in
MAKITA & METABO
version



Not suitable for cutting steel reinforced conductors



TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
2-9/16	10,000	length	width	12.3
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VAL TC065SC	14.2x5.4	0.3	✓	—

Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, TC065 features the same cutting capability as BTC650A.



Not suitable for cutting steel reinforced conductors



TC065-SC

Hydraulic cutting head

PUMPS RECAP

B68M-P18A

Portable cordless - Hydraulic Pump



Available in
MAKITA & METABO
version



TOOL

Max operating pressure psi	length	width	height	Weight lbs
10,000	14.1	7.2	9.2	12.0

STORAGE

Type	Dimensions in.	Weight lbs
Canvas bag 031*	22.8x11.8x12.6	4.9

*Supplied with the pump

For more informations please refer to page 14

B70M-P36A

Portable cordless - Hydraulic Pump

TOOL

Max operating pressure psi	length	width	height	Weight lbs
10,000	16	6.3	12.9	22*

*without accessories

For more informations please refer to page 15



CPE-1-110

Electric Hydraulic Pump

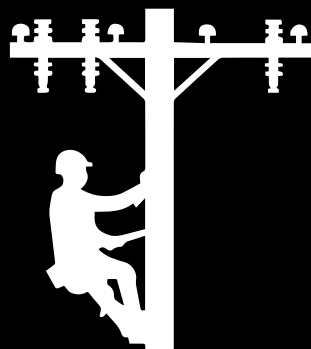
TOOL

Max operating pressure psi	length	width	height	Weight lbs
10,000	14.6	8.8	18.8	46.2

For more informations please refer to page 18



OVERHEAD DISTRIBUTION



B540nd® Series Tools

18.0 V Cordless Hydraulic Crimping Tool

B540ND is the first of a new generation of hand-held cordless tools, characterized by the “**Bilinear**” structure of the tool's mechanics.

Equipped with intelligent automatic return at the end of the pressing cycle (**Smart Release**).

Equipped with Li-Ion 18 V-2Ah rechargeable high capacity batteries.

Jaws rotate by 180° for ease of operation in confined spaces.

Fitted with a maximum pressure sensor for enhanced precision and repeatability of the maximum pressure cycle, and a pressure relief valve providing additional safety for the operator.

Electronic Pressure System

The EPS guarantees the precision of the crimping operation, checking the actu-

al value of pressure and informing the operator about possible errors (**EPS**).

The OLED display provides essential real time operating data, including:

- crimping force generated, thus verifying accordance with best practice
- battery charge status
- general operating information
- the number of work cycles completed and remaining before recommended maintenance.

Expressed in our designs, here weight and balance have been reconfigured to yield advances in handling and convenience.

The more rigid structure of the bi-component plastic body provides greater mechanical protection while its rubber inserts boost operator safety and comfort.

Quieter operation, illumination of the working area via LED lights and a minimum of vibration make for even more practical use.



The integrated memory card enables the user to store data from up to 200,000 compression cycles for transfer to a computer via a USB communication interface.

(**SMARTOOL technology**).

B540nd is the professional tool ideal for OH lines and residential service applications.

NEW GENERATION OF CEMBRE “BILINEAR” CORDLESS CRIMPING TOOLS

Operating features:

- Bilinear structure of the tool's mechanics
- Intelligent automatic return at the end of the cycle (**Smart Release**)
- OLED multifunctional display with touch button
- Electronic Pressure Sensor (EPS)
- SMARTOOL technology for viewing and downloading operational data.
- 180° rotating head
- Start button protected against accidental operation
- Manual pressure release button
- 4 LED lighting of the working area
- Bi-component plastic body
- Anatomical shaping for more convenient and practical grip
- Li-Ion 18.0 V-2Ah rechargeable high capacity battery
- Automatic battery connection system with release button

4 LED lighting of the working area



Manual pressure release button



Control of the correct battery operation

The tool electronics constantly monitors the battery's characteristic parameters such as generated temperature / voltage

/ current to prevent accidental damage and maximize its duration.



New Li-Ion 18.0 V 2.0 Ah High Capacity Battery:

- Provides 100 % of its energy between +5 and +122°F
- Electronic control of the individual cells to avoid under or overcharging
- AIR COOLED ventilated charging technology for a longer life and shorter recharge time
- Timed auto off switch to optimise energy consumption

Automatic battery connection



OLED multifunctional display





Electronic Pressure Sensor

The EPS guarantees the precision of the crimping operation, checking the actual value of pressure and informing the operator about possible errors.



Jaws rotate by 180°



Detail of the pin for the quick jaws change



"Bilinear" Structure

To move the center of gravity of the mechanism to a position closest to the operator's wrist holding the tool, Cembre decided to opt for a misalignment between the drive mechanism of the pumping group and the hydraulic.

This also allowed for a wider support for the hand by optimizing the overall ergonomics of the tool.

Two solutions that advantageously reduce the torque generated on the operator's wrist and best distribute the stresses acting on his hand.



Data recording and intelligent control of the correct working of the tool

The new Bilinear tools record all work cycle data and any errors / malfunctions that may occur throughout the machine life.

These data can be viewed directly on the PC through its dedicated software.



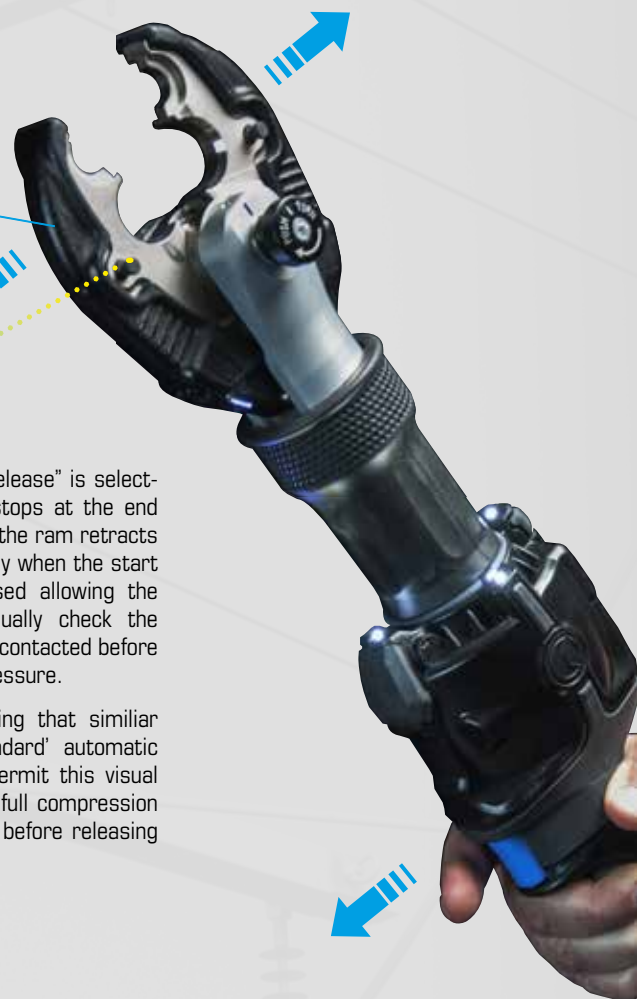
Smart Release Technology

"Smart Release Technology" is an original development of a new, intelligent oil pressure release system developed by Cembre.



When "Smart Release" is selected, the motor stops at the end of the cycle and the ram retracts automatically only when the start button is released allowing the operator to visually check the press jaws have contacted before releasing the pressure.

It's worth knowing that similar tools with 'standard' automatic return do not permit this visual verification that full compression has taken place before releasing pressure.



Shoulder Strap

A comfortable strap can hold the tool hanged to the operator's body, making it always ready for use.



OVERHEAD DISTRIBUTION

B540NDA6

BG fixed groove -D3 to accept W style dies



TOOL					
Crimping force ton	Dimensions in.			Battery Li-Ion	Weight lbs (with jaws)
	length	height	width		
6	19.48	5.7	3.46	18.0 V 2.0 Ah	7.5
STORAGE					
Type	Dimensions in.		Weight lbs	Supplied with the tool	Purchase separately
CVB-033	29.1x7.9x8.5		4	✓	—
MAIN APPLICATIONS - max section AWG					
Copper lugs and splices		Aluminum lugs and splices		Aluminum H taps	
300 MCM		4/0		4/0 - 4/0	

The professional tool ideal for OH lines and residential service applications.

Available in
MAKITA & METABO
version

Stick tool shape for better handling. Can be operated with one hand. Balanced for greater control. Jaws rotate by 180° for ease of operation in confined spaces.

The tool is fitted with a maximum pressure valve.

Extremely quiet, minimal vibration.

Durable moulded body offering high resistance to wear and damage in all operating conditions.

New Li-Ion 18V 2Ah High Power battery. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

Supplied in a robust vinyl bag to accommodate the tool and all the accessories.

Two batteries and AC charger (110-115V) included. Same charger of all our tools.

Operating temperature:
+5 to +122°F





Accessories supplied:

- CB 1820L, Li-Ion 18.0 V 2.0 A h Battery (2 pcs)
- **ASC30-36 USA/CAN 27046000**, charger (INPUT 115 V / 60 Hz; OUTPUT 12-42 V DC / 3.0 A max.)
- USB cable
- Shoulder strap
- Vinyl Bag

Available Basic Version B540ND-BVA6 see table below for the features:

	Bilinear	Smart Release	EPS	Smarttool	Display	Li-Ion Battery	4 led lighting	Manual Pressure Release	180° Rotation Head	Bicomponent Plastic Body
B540NDA6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B540ND-BVA6	✓	-	-	✓	-	✓	✓	✓	✓	✓

BATTERY VERSIONS AND CODES

	CODE	MODEL	CODE	MODEL	
	STANDARD	8504129	B540NDA6	8504133	B540NDK-6
	BASIC VERSION	8504131	B540ND-BVA6	8504135	B540NDK-BV6
METABO PLATFORM			MAKITA PLATFORM		
					



B540NDA6-8

O fixed groove - D3 to accept W style dies

TOOL					
Crimping force ton	Dimensions in.			Battery Li-Ion	Weight lbs (with jaws)
	length	height	width		
6	19.48	5.7	3.46	18.0 V 2.0 Ah	7.5
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
CVB-033	29.1x7.9x8.5	4	✓	—	
MAIN APPLICATIONS - max section AWG					
Copper lugs and splices		Aluminum lugs and splices		Aluminum H taps	
300 MCM		4/0		4/0 - 4/0	

Stick tool shape for better handling. Can be operated with one hand. Balanced for greater control. Jaws rotate by 180° for ease of operation in confined spaces. The tool is fitted with a maximum pressure valve. Extremely quiet, minimal vibration. Durable moulded body offering high resistance to wear and damage in all operating conditions.

New Li-Ion 18V 2Ah High Power battery. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. Supplied in a robust vinyl bag to accommodate the tool and all the accessories. Two batteries and AC charger (110-115V) included. Same charger of all our tools. Operating temperature: +5 to +122°F



Accessories supplied:

- CB 1820L, Li-Ion 18.0 V 2.0 A h Battery (2 pcs)
- **ASC30-36 USA/CAN 27046000**, charger (INPUT 115 V / 60 Hz; OUTPUT 12-42 V DC / 3.0 A max.)
- USB cable
- Shoulder strap
- Vinyl Bag

The professional tool ideal for OH lines and residential service applications.

Available in **MAKITA & METABO** version





CDD6-8N jaws

With "D3" groove to accept all "W" style crimping dies + "O" fixed groove.

Available Basic Version B540ND-BVA6-8 see table below for the features:

	Bilinear	Smart Release	EPS	Smarttool	Display	Li-Ion Battery	4 led lighting	Manual Pressure Release	180° Rotation Head	Bicomponent Plastic Body
B540NDA6-8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B540ND-BVA6-8	✓	-	-	✓	-	✓	✓	✓	✓	✓

BATTERY VERSIONS AND CODES

	CODE	MODEL	CODE	MODEL	
	STANDARD	8504128	B540NDA6-8	8504132	B540NDK6-8
	BASIC VERSION	8504130	B540ND-BVA6-8	8504134	B540NDK-BV6-8
METABO PLATFORM			MAKITA PLATFORM		
					

OVERHEAD DISTRIBUTION

B540NDA6-6

Single bite D3 to accept W style dies



The professional tool ideal for OH lines and residential service applications.

Available in
MAKITA & METABO
version



CDD6-6N jaws

Single bite
D3 to accept W style dies

TOOL					
Crimping force ton	Dimensions in.			Battery Li-Ion	Weight lbs (with jaws)
	length	height	width		
6	18.0	4.0	3.2	18.0 V 2.0 Ah	7.5
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
CVB-033	29.1x7.9x8.5	4	✓	—	
MAIN APPLICATIONS - max section AWG					
Copper lugs and splices		Aluminum lugs and splices		Aluminum H taps	
300 MCM		4/0		4/0- 4/0	

Stick tool shape for better handling. Can be operated with one hand. Balanced for greater control. Jaws rotate by 180° for ease of operation in confined spaces.

The tool is fitted with a maximum pressure valve.

Extremely quiet, minimal vibration.

Durable moulded body offering high resistance to wear and damage in all operating conditions.

New Li-Ion 18V 2Ah High Power battery. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

Supplied in a robust vinyl bag to accommodate the tool and all the accessories.

Two batteries and AC charger (110-115V) included. Same charger of all our tools.

Operating temperature:
+5 to +122°F




Accessories supplied:

- CB 1820L, Li-Ion 18.0 V 2.0 A h Battery (2 pcs)
- **ASC30-36 USA/CAN 27046000**, charger (INPUT 115 V / 60 Hz; OUTPUT 12-42 V DC / 3.0 A max.)
- USB cable
- Shoulder strap
- Vinyl Bag

Available Basic Version B540ND-BVA6-6 see table below for the features:

	Bilinear	Smart Release	EPS	Smartool	Display	Li-Ion Battery	4 led lighting	Manual Pressure Release	180° Rotation Head	Bicomponent Plastic Body
B540NDA6-6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B540ND-BVA6-6	✓	-	-	✓	-	✓	✓	✓	✓	✓

BATTERY VERSIONS AND CODES

	CODE	MODEL	CODE	MODEL	
	STANDARD	8504140	B540NDA6-6	8504141	B540NDK6-6
	BASIC VERSION	8504143	B540ND-BVA6-6	8504144	B540NDK-BV6-6
METABO PLATFORM			MAKITA PLATFORM		





B540ND JAWS

Full range for Crimping and Cutting

A new line of jaws has been designed to match perfectly the new bi-linear tool B540ND with an easy entry pivot:

NEW



CDD6N jaws

With "D3" groove to accept all "W" style crimping dies + "BG" fixed groove.



CDD6-6N jaws

With "D3" groove to accept all "W" style crimping dies.



CDD6-8N jaws

With "D3" groove to accept all "W" style crimping dies + "O" fixed groove.

NEW



CMB4N jaws

Cutting jaws for underground: Aluminum & Copper stranded cables. Max opening 1-1/4"



CMB5N jaws

Cutting jaws for OHL: ACSR up to 556 MCM and tree wire



CMB6N jaws

Cutting jaws for guy wires: Up to 7/16" EHS guy wire

The new Cembre bi-linear B540nd is compatible with these previous generation jaws:



CDD6 jaws

With "D3" groove to accept all "W" style crimping dies + "BG" fixed groove.



CDD6-8 jaws

With "D3" groove to accept all "W" style crimping dies + "O" fixed groove.



CDK jaws

With groove to accept all "O" style Kearny crimping dies; adapter (AU55-B) to accept all "W" style crimping dies available upon request.



CMB2N jaws

Cutting jaws for:
- # 8 Copperweld
- 4/0 Cu.
- 336 MCM Aluminium
- 477 MCM ACSR (Str. 26/7)

RHC131LN-KV

12 Ton - Hydraulic Presshead



TOOL					
Crimping force ton	Max operating pressure psi	Dimensions in.		Jaw Opening in.	Weight lbs
12*	10,000	length	width		
		11.7	4.8	1.7	11.9
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
CVB-009	15.3x15.3xh6.3	1.3	✓	—	
MAIN APPLICATIONS - max size MCM					
Copper lugs and splices		Aluminum lugs and splices		"C" sleeve connectors	
800		up to 750		350	

Hydraulic head featuring a large 1.65 in. jaw opening; complete with quick automatic coupler for connection to a KV hydraulic pump with a working pressure of 10,000 psi max. Is suitable for installing the same range of connectors as HT 131LN-C.



10ft flexible hose included, fitted by non conductive oil and fully insulated couplers

HT131LN-C

12 Ton - Hydraulic Crimping Tool



TOOL				
Crimping force ton	Dimensions in.		Jaw Opening in.	Weight lbs
	length	width		
12*	21.1	5.7	1.65	15.4
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VAL P3	24.41x14.96xh5.31	5.5	✓	—
MAIN APPLICATIONS - max size MCM				
Copper lugs and splices		Aluminum lugs and splices		"C" sleeve connectors
800		up to 750		350

Hydraulic "C" head tool with a large 1.65 in. jaw opening, for easier introduction/removal of large size compression terminations and joints. The HT131LN-C will accept all semi-circular slotted dies, common to most 12 ton tools (U dies). The tool features a double speed action: a fast advancing speed for rapid approach of the dies to the connector and a slower more powerful speed for crimping. For ease of operation and comfort of the operator the tool head can be fully rotated through 180 degrees. The built-in safety valve will by-pass the oil supply when the maximum pressure is reached, and the pressure release system can easily be operated at any stage of compression.

*Conventional force
*Suitable for storage of the tool and 14 sets of dies





TOOL					
Crimping force ton	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
	length	height	width		
6	14.1	14.0	3.3	18.0 V 4.0 Ah	11.7
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VALP40	20.5x17x5.0	5.7	✓	—	
MAIN APPLICATIONS - max size MCM					
Copper lugs and splices	Aluminum lugs and splices		H Taps	"C" sleeve connectors	
500 MCM	up to 300 MCM		up to 4/0-4/0	2/0	

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and accessories
- Canvas bag



The next generation of Cembre cordless hydraulic tools represents a significant advantageous evolution from current models.

The B550BA, with adapter AU55-K, will accept "O" dies and, with adapters AU55-K + AU55-B, will accept "W" dies.

For ease of operation and comfort of the operator, the tool head

rotates 180 degrees.

New Li-Ion 18V 4Ah batteries offer a high capacity, while greater crimping speed and crimping force result from a revitalised hydraulic system with double speed action: a rapid approach of the dies to the connector then a slower, more powerful speed for crimping.

A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the

B550BA-KV

6 Ton - 18.0 V Cordless Hydraulic Cutting Tool



Available in
MAKITA & METABO
version

pressure cycle and double the provision for operator safety. The OLED display provides essential real time tool operating information data including:

- Crimping pressure and force being generated, for confirmation of adherence to norms and best practice
- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service crimping cycles
- Tool service required to maintain optimum condition.

Designed with improved balance, B550BA is easily manageable during the crimping process and, by

the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort

while additional convenience and safety are provided by LED lighting of the working area. Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface.

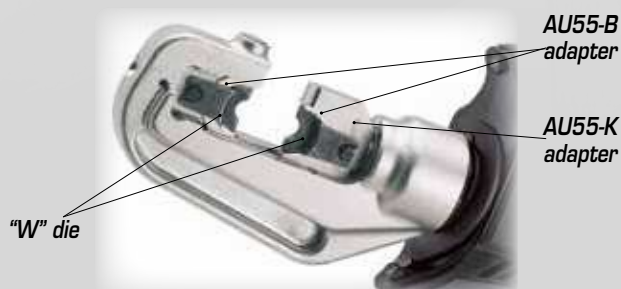
Operating temperature:
+5 to +122°F



With adapter AU55-K for accepting "O" dies.



With adapters AU55-K + AU55-B for accepting "W" dies.



B550BA

6 Ton - 18.0 V Cordless Hydraulic Cutting Tool



B1350L-CA-KV

12 Ton - 18.0 V Cordless Hydraulic Crimping Tool



Available in
MAKITA & METABO
version

The next generation of Cembre cordless hydraulic tools represents a significantly advantageous evolution from current models. Born of the renowned B135LN-CA type crimping tool, B1350L-CA will accept all semi-circular slotted dies, common to most 12 ton tools (U dies).

Featuring a large 1.65 in. jaw opening, for an easier introduction/removal of large size compression terminations and joints.

For ease of operation and comfort of the operator, the tool head rotates 180 degrees.

New Li-Ion 18 V 4.0 Ah batteries offer a high capacity, while greater crimping speed and crimping force result from a revitalised hydraulic

system with double speed action: a rapid approach of the dies to the connector then a slower, more powerful speed for crimping. A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the pressure cycle and double the provision for operator safety. The OLED display provides essential real time tool operating information data including:

- Crimping pressure and force be-

TOOL							
Crimping Force ton	Dimensions in.			Jaw Opening in.	Battery Li-Ion	Weight lbs (with battery)	
	length	height	width				
12*	15.5	14.6	3.3	1.65	18.0 V 4.0 Ah	17.8	
STORAGE							
Type	Dimensions in.		Weight lbs	Supplied with the tool	Purchase separately		
VALP39	20.5x17x5.0		5.7	✓	—		
MAIN APPLICATIONS - max size MCM							
Copper lugs and splices		Aluminum lugs and splices			"C" sleeve connectors		
800		up to 750			350		

*Conventional force

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and 8 sets of semi-circular slotted dies



ing generated, for confirmation of adherence to norms and best practice

- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service crimping cycles
- Tool service required to maintain optimum condition.

Designed with improved balance, B1350L-CA is easily manageable during the crimping process and, by the use of bi-component plastics, has a shell with high resist-

ance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface.




Operating temperature:
+5 to +122°F

B1350L-CA

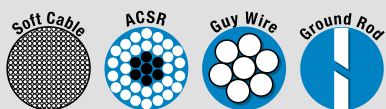
12 Ton - 18.0 V Cordless Hydraulic Crimping Tool



Available in
MAKITA & METABO
version

TOOL						
Crimping Force ton	Dimensions in.			Jaw Opening in.	Battery Li-Ion	Weight lbs (with battery)
12*	length	height	width	1.65	18.0 V 4.0 Ah	17.8
15.5	14.6	3.3				
STORAGE						
Type	Dimensions in.		Weight lbs	Supplied with the tool	Purchase separately	
VALP39	20.5x17x5.0		5.7	✓	—	
MAIN APPLICATIONS - max size MCM						
Copper lugs and splices		Aluminum lugs and splices		"C" sleeve connectors		
800		up to 750		350		
CRIMPS FOR CHARGE						
Terminal	Conductor (AWG)		Die Set	Approx. No of crimps		
Cembre Copper tube crimping lugs	3		ME5-C		150	
	250 MCM		ME24-C		116	
	500 MCM		ME48-C		95	

*Conventional force



TC025

Hydraulic Cutting Head - Overhead Line Application

TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
		length	width	
1	10,000	8.4	3.4	4.4

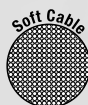
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
Canvas bag 007	13.78x4.13	0.29	✓	—

TC 025 hydraulic cutting head is specifically designed to cut copper, aldreyl, aluminum and aluminum-steel cables having a max overall diameter of 1".

This head is fitted with a male automatic coupler to be connected to a hydraulic pump developing a maximum pressure of 10,000 psi.



Ideal for EHS guy wire



TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
		length	width	
1	10,000	12.8	4.4	7

STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
Canvas bag 011	14.2x5.4	0.3	✓	—

Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max. TC050 features the same cutting capability as HT-TC051.



Not suitable for cutting steel reinforced conductors



TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
		length	width	
1	10,000	13	4.4	7.3

STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
Canvas bag 011	14.2x5.4	0.3	✓	—

Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, TC 050Y features the same cutting capability as HT-TC051Y.



For ACSR only, not suitable for cutting guy wire and ground rod.



TC050

Hydraulic Cutting Head - Overhead Line Application



TC050Y

Hydraulic Cutting Head - Overhead Line Application



OVERHEAD DISTRIBUTION

HT-TC026Y

Hydraulic Cutting Tool



TOOL				
Max head opening in.	Dimensions in.			Weight lbs
	length	width		
1	15.5	5.1		7.7
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
Canvas bag 001	16.9x6.1	0.33	✓	—



Hand operated hydraulic tool specifically designed to cut copper, aldre, aluminum, aluminum-steel cables, steel ropes having a max overall diameter of 1", guy wire up to 7/8" and steel ground rod up to 5/8". The tool features a double speed action. The blades are manufactured from high strength special steel, heat treated to ensure a long service life.

The head can rotate by 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow the cutting of running cables. HT-TC026Y features an automatic safety valve to bypass oil when reaching maximum pressure; a pressure release device can also be operated at any stage of operation.

Ideal for EHS guy wire up to 7/8" and ground rod up to 5/8"

B-TC250YA

18.0 V Cordless Hydraulic Cutting Tool



TOOL				
Max head opening in.	Dimensions in.			Weight lbs
	length	height	width	
1	12.2	13.5	3.3	10.5
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VALP40	20.5x17x5.0	5.7	✓	—

Available in
MAKITA & METABO
version

- The tool is supplied as:**
- Basic tool with battery and shoulder strap
 - Spare battery
 - AC charger (110-115V)
 - USB cable
 - Plastic carrying case suitable for storing the tool and accessories



Next generation of 18.0 V cordless hydraulic cutting tool specifically designed cut copper, aldre, aluminum, aluminum-steel cables, steel ropes having a max overall diameter of 1", guy wire up to 7/8" and steel ground rod up to 5/8". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life.

New Li-Ion 18 V 4.0 Ah batteries offer a high capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables. Fitted with a maximum

hydraulic pressure valve. Designed with improved balance, B-TC250YA is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Operating temperature: +5 to +122°F

Ideal for EHS guy wire



B-TC320NDA

18.0 V Cordless Hydraulic Cutting Tool

TOOL					
Max cutting Ø in.	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
	length	height	width		
1.26	17.5	5.4	3.2	18.0 V 2.0 Ah	8.7
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VALP48	24.4x14.2x5.4	5.3	✓	—	
MAIN APPLICATIONS					
Specifically designed to cut Copper, aldreY, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having Ø max 1.26»					

The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and accessories



B-TC320NDA is a new generation of hand-held cordless tools, characterised by a "Bilinear" mechanical design.

B-TC320NDA is specifically designed to cut Copper, aldre, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having a max overall diameter of 1.26».

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18.0V - 2.0Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

Fitted with a maximum hydraulic pressure valve. Weight and balance have been reconfigured to yield improvements in handling and convenience.

The more rigid structure of the bi-component plastic body provides greater mechanical protection while its rubber inserts boost operator safety and comfort. Quieter operation, illumination of the working area via LED lights and a minimum of vibration enhance the tool's practicality.

Two batteries and AC charger (110-115V) included. Same charger of all our tools.

Operating temperature: +5 to +122°F

CUTTING CAPACITY - a few examples

AWG/MCM	Section		Stranding # x in.	Conductor Type
	in ²	in.		
200		0,524	-	RIM120
1/0		0,350	7/0,0208	Bronze
2/0		0,405	19/0,0811	Bronze
4/0		0,492	19/0,0984	Bronze
2/0		0,421	19/0,0843	Aluminium
4/0		0,492	19/0,0984	Aluminium
300		0,620	37/0,0886	Aluminium
	0,500 (BUTTERFLY)	0,915	19/0,183	Aluminium
	0,6244 (ARBUTUS)	1,026	37/0,1466	Aluminium
	0,0542/0,0093	0,319	6/0,1063 + 1/0,1063	Aluminium-steel
	0,0775/0,0124	0,378	6/0,1260 + 1/0,1260	Aluminium-steel
	0,0775/0,0465	0,461	12/0,0917 + 7/0,0917	Aluminium-steel
	0,1085/0,0186	0,461	26/0,0788 + 7/0,0567	Aluminium-steel
	0,1473/0,0233	0,535	26/0,0846 + 7/0,0657	Aluminium-steel
	0,2325/0,0388	0,673	26/0,1063 + 7/0,0827	Aluminium-steel
	0,2635/0,0620	0,744	30/0,1063 + 7/0,1063	Aluminium-steel
	0,2868/0,0465	0,748	26/0,1181 + 7/0,0717	Aluminium-steel
	0,3565/0,0465	0,827	24/0,1378 + 7/0,0917	Aluminium-steel
	0,3720/0,0620	0,862	26/0,1358 + 7/0,1055	Aluminium-steel
	0,7493/0,0542	1,165	45/0,1472 + 7/0,098	Aluminium-steel
	0,4371/0,0243 (OSPREY)	0,878	18/0,1758 + 1/0,1758	Aluminium-steel
	0,4371/0,0662 (DOVE)	0,927	26/0,1463 + 7/0,1138	Aluminium-steel
	0,3711 (POPLAR)	0,791	37/0,113	Rope Aluminium Alloy
1/0		0,433	Class 5	Aluminium flex
4/0		0,728	-	Insulated Steel flex
300		0,630	19/0,126	Cu
2/0		0,472	2214/0,0079	Cu extra flex
5		0,232	126/0,0157	Cu flex
250		0,649	608/0,0197	Cu flex
500		0,906	1221/0,0197	Cu flex

B-TC500A

18.0 V Cordless Hydraulic Cutting Tool



Available in
MAKITA & METABO
version

Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut copper, aluminum and telecommunication cables having a max overall diameter of 2". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life.

New Li-Ion 18 V 4.0 Ah batteries offer a high capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing

the adjacent button. The head can rotate through 90 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables. Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-TC500A is easily manageable

during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Operating temperature: +5 to +122°F

Not suitable for cutting steel reinforced conductors

B-TC500YA

18.0 V Cordless Hydraulic Cutting Tool



Available in
MAKITA & METABO
version

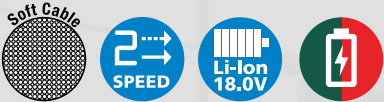
Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut copper, aluminum, aluminum-steel cables (ACSR) having a max overall diameter of 2". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life.

New Li-Ion 18 V 4.0 Ah batteries offer a high capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 90 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables. Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-TC500YA is easily manageable during the cutting process and, by

the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Operating temperature: +5 to +122°F

For ACSR only, not suitable for cutting guy wire and ground rod.



TOOL					
Max head opening in.	Dimensions in.			Battery Li-Ion	Weight lbs
	length	height	width		
2	15.9	15.6	3.3	18.0 V 4.0 Ah	12.7
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VALP40	20.5x17x5.0	5.7	✓	—	

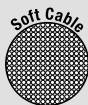
- The tool is supplied as:
- Basic tool with battery and shoulder strap
 - Spare battery
 - AC charger (110-115V)
 - USB cable
 - Plastic carrying case suitable for storing the tool and accessories



TOOL					
Max head opening in.	Dimensions in.			Battery Li-Ion	Weight lbs
	length	height	width		
2	15.9	15.6	3.3	18.0 V 4.0 Ah	12.7
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VALP40	20.5x17x5.0	5.7	✓	—	

- The tool is supplied as:
- Basic tool with battery and shoulder strap
 - Spare battery
 - AC charger (110-115V)
 - USB cable
 - Plastic carrying case suitable for storing the tool and accessories





TOOL					
Max head opening in.	Dimensions in.			Battery Li-Ion	Weight lbs
2-9/16	length	height	width	18.0 V 4.0 Ah	14.1
	16.9	16.3	3.3		
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VALP40	20.5x17x5.0	5.7	✓	—	

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and accessories



Next generation of 18.0 V cordless hydraulic cutting tool. Specifically designed to cut copper, aluminum and telecommunication cables having a max overall diameter of 2-9/16". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18 V 4.0 Ah batteries offer a high capacity, while greater

cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. The head can rotate through 335 degrees, to enable the operator to work in the most comfortable posi-

tion, and can easily be opened to allow cutting of running cables. Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-TC650A is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and

minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

Operating temperature: +5 to +122°F

B-TC650A

18.0 V Cordless Hydraulic Cutting Tool



Available in
MAKITA & METABO
version



Not suitable for cutting steel reinforced conductors



TOOL					
Max head opening in.	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
2-9/16	length	height	width	18.0 V 4.0 Ah	16.9
	19.8	18.3	4.1		
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VAL B-TC950	22.2x16.1x4.0	14.7	✓	—	

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Metal carrying case suitable for storing the tool and accessories



Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut Copper, Aluminum and telecommunication cables having a max overall diameter of 2-9/16". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. The open head and the "scissor"

movement of the blades facilitate the cutting of running cables. New Li-Ion 18 V 4.0 Ah batteries offer a high capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing

the adjacent button. The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables. Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-TC650-SCA is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while

additional convenience and safety are provided by LED lighting of the working area.

Operating temperature: +5 to +122°F

B-TC650-SCA

18.0 V Cordless Hydraulic Cutting Tool



Available in
MAKITA & METABO
version



Not suitable for cutting steel reinforced conductors

B68M-P18A

Portable cordless - Hydraulic Pump



TOOL				
Max operating pressure psi	Dimensions in.			Weight lbs
10,000	length	width	height	
	14.1	7.2	9.2	12.0
STORAGE				
Type	Dimensions in.			Weight lbs
Canvas bag 031*	22.8x11.8x12.6			4.9

*Supplied with the pump

Available in
MAKITA & METABO
version



The B68M-P18A pump is supplied with:

- Remote control provides LED working lights and an OLED display
- 6.5 FT flexible hose complete with rotatable Q14-F quick coupler on the pump and female 3/8" NPT self-lock quick couplers
- 18.0 V - 4.0 Ah Li-Ion high power battery (2 pcs.)
- Canvas bag suitable for storing the tool and accessories
- AC charger (110-115V)
- Shoulder strap



New Li-Ion 18V 4.0 Ah batteries offer a high capacity, while improved operating speed results from a revitalised hydraulic system with double speed action. A maximum pressure sensor assures greater precision and repeatability of the pressure cycle, while a security valve doubles the provision for operator safety. The unit has a manual pressure release button in case of emergency. Easy access to the oil reservoir is by means of an oil top-up inlet.

The innovative remote control provides LED working lights and an OLED display of essential real time tool operating information including:

- Operating mode selection
- Release mode selection: Smart release, manual release
- Minimum set pressure and momentary pressure reached expressed in bar allows verification of correct operation
- Battery charge level
- No. of cycles performed
- No. of cycles before scheduled recommended maintenance
- Motor temperature

Designed with improved handling characteristics, B68M-P18A is easily manageable during the operating process and has a fibreglass-plastic shell with high resistance to wear and damage.

The pump features a rubber pocket to store and protect the remote control.

Low noise levels aid operator comfort while additional convenience and safety are provided by LED lighting on the remote control. Selecting the SMART release mode on the OLED display allows the operating pressure to be maintained until the operating button is released, thus allowing the operator to make a visual check of, say, the crimped connection.

Releasing the button then automatically releases the pressure.

Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface located under the battery.

Data recording and intelligent control of the correct working of the tool

The new Bilinear tools record all work cycle data and any errors / malfunctions that may occur throughout the machine life.

These data can be viewed directly on the PC through its dedicated software.



B70M-P36A

Portable cordless - Hydraulic Pump

- 1 Portable electro-hydraulic pump, 36V Li-Ion battery for independent use
- 2 Battery CB 3662L, 36V - 6,2 Ah Li-Ion with LED residual charge indicator
- 3 Battery charger ASC-ULTRA-US/CA
- 4 USB Cable
- 5 Shoulder strap
- 6 CVB-037 Canvas rucksack
- 7 TF300-Q38FM 10 ft flexible hose
- 8 ERCH Remote control



TECHNICAL FEATURES

Operating pressure psi	10,000
Dimensions inches	
Length	16
Width	6.3
Height	12.9
Battery	36V 6.2Ah
Weight lbs (with battery)	22.0*

*without accessories

B70M-P36A-CH

Portable cordless - Hydraulic Pump

- 1 Portable electro-hydraulic pump, 36V Li-Ion battery for independent use
- 2 Battery CB 3662L, 36V - 6,2 Ah Li-Ion with LED residual charge indicator
- 3 Battery charger ASC-ULTRA-US/CA
- 4 USB Cable
- 5 Shoulder strap
- 6 CVB-037 Canvas rucksack
- 9 ERCH-WH Remote hand controller integrated with 10 ft length flexible hose complete with male + female 3/8" NPT self-lock quick couplers



TECHNICAL FEATURES

Operating pressure psi	10,000
Dimensions inches	
Length	16
Width	6.3
Height	12.9
Battery	36V 6.2Ah
Weight lbs (with battery)	22.0*

*without accessories

Supplied with:



HB9

Cable Stripping Tool

Insulated knife, with curved blade and protective cover. Suitable for insulation and screen removal, equipped with blade guide to avoid damage to strands. Handle is made of a bi-component plastic material.



HB13UE

Cable Stripping Tool

Universal cable stripping tool for external sleeves of Low/Medium Voltage cables Ø 0.5 to 2.5 in. and primary insulator in XLPE max Ø 1.5 in.



KT1

Cable Cutter



CUTTING CAPACITY - SECTION COND. AWG		
Rigid	Multi-Cond.	Flexible
Cu 6	Cu 1/0	Cu 2/0
Al 2	Al 1/0	

KT2

Cable Cutter



CUTTING CAPACITY - SECTION COND. AWG		
Rigid	Multi-Cond.	Flexible
Cu 6	Cu 1/0	Cu 3/0
Al 1/0	Al 2/0	

KT3N

Cable Cutter



KT 3N

For cutting cables		
Ø max	Weight	Length
1/4 in. (600MCM)	1.3 lbs.	10.2 in.

Hand operated ratchet cable cutter for stranded and flexible copper and aluminum cables

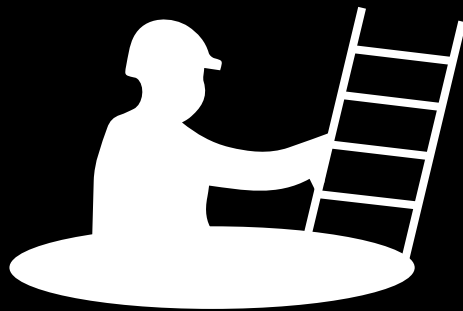
KT4N

Cable Cutter



KT 4N

For cutting cables		
Ø max	Weight	Length
max 2.4 in. (1000MCM)	1.76 lbs.	11.7 in.



B500NDA

6 Ton - 18.0V Cordless Hydraulic crimping tool



TOOL						
Crimping Force ton	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)	
	length	height	width			
6	5.3	15.6	3.18	18.0 V 4.0 Ah	6.6	
STORAGE						
Type	Dimensions in.		Weight lbs	Supplied with the tool	Purchase separately	
VALP22	18.3x12.4x4.5		5.7	✓	—	
MAIN APPLICATIONS - max size MCM						
Copper lugs and splices	Insulated terminals		End sleeves	"C" sleeve connectors		
600 MCM	250 MCM		250 MCM	2/0		

The 6 ton B500ND is suitable for a wide range of connectors up to 500 MCM using die sets common to the Cembre 6 ton tooling range.

Head can rotate by 180° for ease of operation in confined spaces. New Li-Ion 18V 4Ah batteries offer a high capacity, while greater crimping speed and crimping force result from a revitalised hydraulic system with double speed action: a rapid approach of the dies to the connector then a slower, more powerful speed for crimping. A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the pressure cycle and double the provision for operator safety.

The OLED display provides essential real time tool operating information data including:

- Crimping pressure and force being generated, for confirmation of adherence to norms and best practice
- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service crimping cycles
- Tool service required to maintain optimum condition.

Designed with improved balance, B500ND is easily manageable during the crimping process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface.

Operating temperature:
+5 to +122°F

The tool is supplied as:

- **CB 1820L**, Battery Li-Ion 18.0V 2.0 Ah (2 pcs.)
- **ASC30-36 USA/CAN 27046000**, charger (INPUT 115 V / 60 Hz; OUTPUT 12-42 V DC / 3.0 A max.)
- USB cable
- Shoulder strap
- Plastic carrying case suitable for the tool





B1350L-CA-KV

12 Ton - 18.0 V Cordless Hydraulic Crimping Tool

TOOL						
Crimping Force ton	Dimensions in.			Jaw Opening in.	Battery Li-Ion	Weight lbs (with battery)
12*	length	height	width	1.65	18.0 V 4.0 Ah	17.8
15.5	14.6	3.3				
STORAGE						
Type	Dimensions in.		Weight lbs	Supplied with the tool	Purchase separately	
VALP39	20.5x17x5.0		5.7	✓	—	
MAIN APPLICATIONS - max size MCM						
Copper lugs and splices		Aluminum lugs and splices		"C" sleeve connectors		
800		up to 750		350		

*Conventional force

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and 8 sets of semi-circular slotted dies



The next generation of Cembre cordless hydraulic tools represents a significantly advantageous evolution from current models.

Born of the renowned B135LN-CA type crimping tool, B1350L-CA will accept all semi-circular slotted dies, common to most 12 ton tools (U dies).

Featuring a large 1.65 in. jaw opening, for an easier introduction/removal of large size compression terminations

and joints.

Head can rotate by 180° for ease of operation in confined spaces. New Li-Ion 18 V 4.0 Ah batteries offer a high capacity, while greater crimping speed and crimping force result from a revitalised hydraulic system with double speed action: a rapid approach of the dies to the connector then a slower, more powerful speed for crimping.

A maximum pressure sensor and pressure relief valve assure great-

B 1350L-CA-KV
version also available for
Power Supply Companies

Available in
MAKITA & METABO
version

er precision and repeatability of the pressure cycle and double the provision for operator safety.

The OLED display provides essential real time tool operating information data including:

- Crimping pressure and force being generated, for confirmation of adherence to norms and best practice
- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service crimping cycles
- Tool service required to maintain optimum condition.

Designed with improved balance, B1350L-CA is easily manageable during the crimping process and,

by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.




Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface.

Operating temperature:
+5 to +122°F



B1350L-CA

12 Ton - 18.0 V Cordless Hydraulic Crimping Tool

TOOL						
Crimping Force ton	Dimensions in.			Jaw Opening in.	Battery Li-Ion	Weight lbs (with battery)
12*	length	height	width	1.65	18.0 V 4.0 Ah	17.8
15.5	14.6	3.3				
STORAGE						
Type	Dimensions in.		Weight lbs	Supplied with the tool Purchase separately		
VALP39	20.5x17x5.0		5.7	✓	—	
MAIN APPLICATIONS - max size MCM						
Copper lugs and splices		Aluminum lugs and splices		"C" sleeve connectors		
800		up to 750		350		
CRIMPS FOR CHARGE						
Terminal	Conductor (AWG)		Die Set	Approx. No of crimps		
Cembre Copper tube crimping lugs	3		ME5-C		150	
	250 MCM		ME24-C		116	
	500 MCM		ME48-C		95	

*Conventional force

Available in
MAKITA & METABO
version



B1500A

15 Ton - 18.0 V Cordless Hydraulic Crimping Tool

Available in
MAKITA & METABO
version



The next generation of Cem-
bre cordless hydraulic tools
represents a significantly
advantageous evolution from
current models.

Born of the renowned
B150-A type crimping tool,
B1500A will accept directly
all "P" dies commonly used
in industry and, **with the
AU150-C adapter, all the
semi-circular slotted dies,**
common to most 12 ton
tools (U dies).

B1500A is able to crimp
splices and lugs to 1250
MCM aluminum and 1500
MCM copper.

For ease of operation and
comfort of the operator,
the tool head rotates 180
degrees.

New Li-Ion 18 V 4.0 Ah bat-
teries offer a high capacity,
while greater crimping speed

and crimping force result
from a revitalised hydraulic
system with double speed
action: a rapid approach of
the dies to the connector
then a slower, more power-
ful speed for crimping.

A maximum pressure sen-
sor and pressure relief valve
assure greater precision
and repeatability of the pres-
sure cycle and double the
provision for operator safety.
The OLED display provides
essential real time tool op-
erating information data in-
cluding:

- Crimping pressure and
force being generated, for
confirmation of adherence
to norms and best practice
- Battery power availability
- Tool identification, LED
work light state, reset, no.
of operational and service

crimping cycles

- Tool service required to
maintain optimum condi-
tion.

Designed with improved bal-
ance, B1500A is easily man-
ageable during the crimping
process and, by the use of
bi-component plastics, has a
shell with high resistance to
wear and damage.

Rubber grip inserts, low
noise and minimal vibration
aid operator comfort while
additional convenience and
safety are provided by LED
lighting of the working area.
Crimping cycle data (up to
200,000 events) is auto-
matically stored on a memo-
ry card for transfer to PC by
USB interface.

Operating temperature:
+5 to +122°F



TOOL					
Crimping Force ton	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
	length	height	width		
15.0	20.7	9.9	4.0	18.0 V 4.0 Ah	21.4
STORAGE					
Type	Dimensions in.		Weight lbs	Supplied with the tool	Purchase separately
VAL B1500	22.2x16.1x4.0		14.7	✓	—
CONNECTOR RANGE					
COPPER			ALUMINUM		
#8 AWG - 1500 MCM			#8 AWG - 1250 MCM		

The tool is supplied as:

- Basic tool with battery
and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Metal carrying case suitable
for storing the tool and
12 die sets



P-DIES				
Copper Conductor (MCM)		DIE SET		
low stranded	multi stranded			
1000		ME 100-P		⊗
1250	1000	ME 120-P		⊗
—	—	MUT9930-P index 301		⊗
—	—	MUT9931-P index 302		⊗



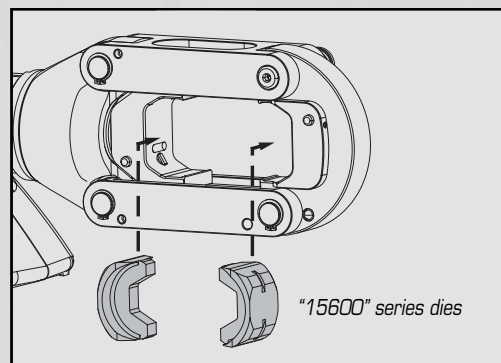
**The B1500A
with "P" dies.**



**The B 1500A
with adapter AU150-C
for accepting "U" dies.**

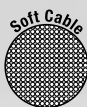
B1500YA

15 Ton - 18.0 V Cordless Hydraulic Crimping Tool



- Uses Thomas & Betts and/or Blackburn shell die

15600 - Fits directly into tool for larger size connectors



B-TC650-SCA

18.0 V Cordless Hydraulic Cutting Tool

Available in
MAKITA & METABO
version

TOOL					
Max head opening in.	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
2-9/16	length	height	width	18.0 V 4.0 Ah	16.9
	19.8	18.3	4.1		
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VAL B-TC950	22.2x16.1x4.0	14.7	✓	—	



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Metal carrying case suitable for storing the tool and accessories



Not suitable for cutting steel reinforced conductors

Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut Copper, Aluminum and telecommunication cables having a max overall diameter of 2-9/16". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life.

The open head and the "scissor" movement of the blades facilitate the cutting of running cables.

New Li-Ion 18 V 4.0 Ah batteries offer a high capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables. Fitted with a maximum hydraulic pressure valve.

Designed with improved balance, B-TC650-SCA is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

Operating temperature:

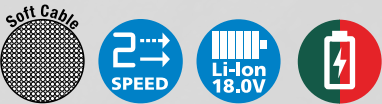
+5 to +122°F

B-TC950A

18.0 V Cordless Hydraulic Cutting Tool



Available in
MAKITA & METABO
version



TOOL					
Max head opening in.	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
	length	height	width		
3-3/4	20.4	18.4	3.3	18.0 V 4.0 Ah	17.1
STORAGE					
Type	Dimensions in.		Weight lbs	Supplied with the tool	Purchase separately
VAL B-TC950	22.2x16.1x4.0		14.7	✓	—



- The tool is supplied as:*
- Basic tool with battery and shoulder strap
 - Spare battery
 - AC charger (110-115V)
 - USB cable
 - Metal carrying case suitable for storing the tool and accessories



Not suitable for cutting steel reinforced conductors

Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut Copper, Aluminum and telecommunication cables having a max overall diameter of 3-3/4". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18 V 4.0 Ah batteries offer a high capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. The head can rotate through 335 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables. Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-TC950A is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Operating temperature: +5 to +122°F



B-TC500ND-SCA

18.0V Cordless Hydraulic cutting tool

TOOL					
Max cutting Ø in.	Max operating pressure psi	Dimensions in.			Weight lbs
		length	height	width	
2.1	10,000	20.7	6.0	3.2	8.6
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VAL-P59	24.4 x 14.2 x 5.4	5.3	✓	—	
MAIN APPLICATIONS					
Specifically designed to cut Copper, Aluminum and Telecommunications cable having Ø max 2.1 in.					



The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and accessories



B-TC500ND-SCA is a new generation of hand-held cordless tools, characterised by a "Bilinear" mechanical design.

B-TC500ND-SCA is specifically designed to cut Copper, Aluminum and telecommunication cable having a max overall diameter of 2.1".

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18.0V - 2.0Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

Fitted with a maximum hydraulic pressure valve.

Weight and balance have been reconfigured to yield improvements in handling and convenience.

The more rigid structure of the bi-component plastic body provides greater mechanical protection while its rubber inserts boost operator safety and comfort. Quieter operation, illumination of the working area via LED lights and a minimum of vibration enhance the tool's practicality.

Two batteries and charger included.

Same charger of all our tools.

Operating temperature: +5 to +122°F

B68M-P18A-KV-RC2

A Cembre safe unit of the Protectus line

New portable cordless-hydraulic pump **B68M-P18A-KV-RC2** is battery operated for independent use.

Having the inherent strengths of the Cembre 18V tool range, the **B68M-P18A-KV-RC2** 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 away from the man-hole at a safe distance.

New Li-Ion 18V 7Ah batteries provide high capacity while improved operating speed results from a revitalized hydraulic system with double speed action.

A maximum pressure sensor assures greater precision and repeatability of the pressure cycle, while a security valve doubles the provision for operator safety.

The unit is fitted with a patented unique system for stopping the pump when the cutting head sensor signals that its blades have travelled fully. At this point the LED indicator and buzzer notify the operator of the successful completion of the cutting operation.

For this reason, each pump is paired to its specific cutting head only and it must be considered as a complete unit. The unit has a manual pressure release button in case of emergency.

Easy access to the oil reservoir is by means of an oil top-up inlet.



The innovative remote control function is able to work in man-hole environment where radio communication is normally more complicated.

The unit features an OLED display to provide essential real time tool operating information including:

- Operating mode selection (cutting or crimping)
- Release mode selection (Smart release, manual release)
- Minimum set pressure and momentary pressure reached in bar/psi to allow verification of correct operation
- Battery charge level
- No. of cycles performed
- No. of cycles before scheduled recommended maintenance
- Motor temperature
- Operating command (radio or manual).

The unit has a secondary operating trigger which can be selected through the OLED display in case of need.



NEW PORTABLE CORDLESS-HYDRAULIC PUMP RADIO CONTROLLED

Operating features:

- 66 ft. radio control operating range
- Intelligent auto-return at the end of the cycle (Smart Release)
- OLED multifunctional display with touch button
- Electronic Pressure Sensor (EPS)
- SMARTOOL technology for viewing and downloading operational data.
- Wireless blade sensor (no batteries)
- Double acting with radio control or manual intervention
- Pressure release button
- Audible and visual indication of operational progress, completion and alarms
- Anatomical shaping for more convenient and practical handling
- Li-Ion 18.0 V-7Ah rechargeable high capacity battery
- Automatic battery connection system with release button



Data recording and intelligent control allow complete verification of operational parameters



LED indicators and buzzer



OLED multifunctional display



Automatic battery connection system



Pressure release button





New portable cordless hydraulic pump RC Series

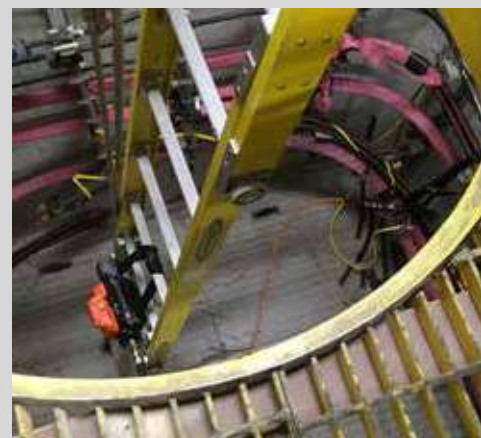
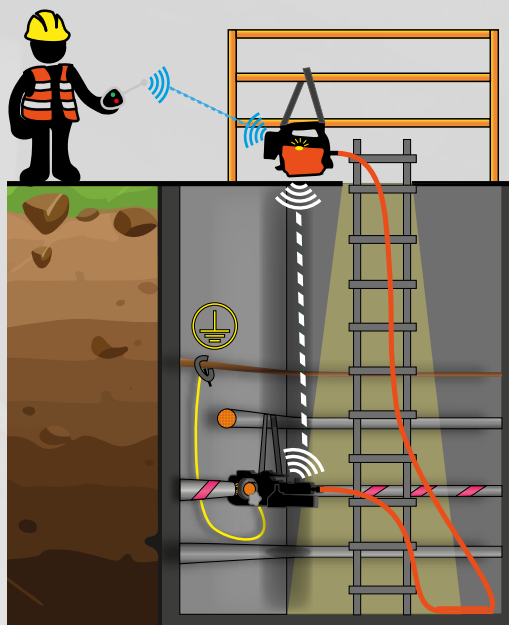
Fitted by dielectric oil for operator protection in case of cutting cables that may be accidentally live. Each radio remote control is paired to only its specific pump using approved USA frequencies. Designed with improved handling characteristics for convenience and managability, **B68M-P18A-KV-RC2** has a fibreglass-plastic shell with high resistance to wear and damage.



Selecting the **SMART RELEASE** mode on the OLED display allows the operating pressure to be maintained until the operating button is released, thus allowing blades to open automatically at the end of the cutting cycle.

When used in crimping mode this feature allows the operator to make a visual check of the crimped connection.

SMARTOOL technology enables the user to store data from up to 200,000 cycles on the integrated memory card for transfer to a computer via a USB cable. The pump is also recommended for use with Cembre KV type protected crimping heads.



B68M-P18A-KV-RC2

Portable Cordless - Hydraulic Pump



TOOL					Radio remote control	
Max operating pressure psi	Dimensions in.			Weight lbs	frequency GHz	Operating range ft.
10,000	length	width	height			
	15.9	8.3	9.3	12.8	2,4	66
STORAGE						
Type	Dimensions in.			Weight lbs	Supplied with the tool	Purchase separately
Canvas bag 031*	22.8x11.8x12.6			4.9	✓	—

*Supplied with the pump



Safe Cut Technology

Fitted with LED indicators and a buzzer to communicate during progress and at the completion of the cutting operation.

Supplied with:

- Radio remote control (2405 ÷ 2480 MHz)
- **CB 1870L**, Li-Ion 18.0 V 7.0 A h Battery (2 pcs)
- **ASC 30-36 USA/CAN 27046000**, AC charger (115V) (INPUT 115 V / 60 Hz; OUTPUT 12-42 V DC / 3.0 A max.)
- USB cable
- Shoulder strap
- **Canvas Bag 031**



Electronic Cut Sensor

The ECS guarantees the precision of the cutting operation, checking the actual value of pressure and informing the operator about possible errors.

The operator is in full control of the pump at all times as the B68M-P18A-KV-RC2 communicates the progress of the cutting operation by audible and visual indicators. All at a safe distance.

The pump is equipped with intelligent auto-return at the end of each cutting operation. Its Li-Ion 18 V-7Ah high capacity batteries provide extended autonomous capability.



Radio Remote Control

The **B68M-P18A-KV-RC2** pump introduces radio control to utility cable cutting operations in limited access locations, eg. in man-holes, to enable working from a safe distance.



TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
3-3/8	10,000	16.1 x 5.9 x 9.2		13.4
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VAL TC 085	18.3x6.1x2.6	5.3	✓	—

Hydraulic cutting heads type RC are fitted with a unique wireless sensor paired to the receiver integrated in the pump using USA frequencies (915 MHz). Each pump can accept the range of RC type heads.

The sensor is maintenance-free as it is fully protected and has battery-free technology.

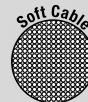
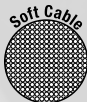
All RC heads are fitted with an eyelets to hang the head for better support during operation. A grounding point is provided to facilitate the grounding of the head when required.

TC096Y-KV-RC2

Hydraulic Cutting Head



TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
3-3/4	10,000	19.7 x 9.5 x 5.7		21
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VAL 096	17.7x10.4x5.7	15.0	✓	—



TC085Y-KV-RC2

Hydraulic Cutting Head



TC120Y-KV-RC2

Hydraulic Cutting Head



TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
4-3/4	10,000	21.1 x 7.2 x 5.5		23.7
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VAL TC 120	23.2x8.2x3.3	10.8	✓	—

ACCESSORIES AVAILABLE

VAL-P53 Rigid Chest



10 ft.



33 ft.



Flexible Hoses

SSTCY Belts



EK Grounding Wire



Grounding Pins



B68M-P18A-KV-RC1

Portable Cordless - hydraulic pump

New portable cordless-hydraulic pump **B68M-P18A-KV-RC1** is battery operated for independent use. Having the inherent strengths of the Cembre 18V tool range, the **B68M-P18A-KV-RC1** is a lightweight high capacity pump equipped with an innovative radio remote control specifically designed to work in man-hole environments; allowing operators to control and operate the pump out of the man-hole at safety distance. New Li-Ion 18V 7Ah batteries offer a high capacity, while improved operating speed results from a revitalized hydraulic system with double speed action. A maximum pressure sensor assures greater precision and repeatability of the pressure cycle, while a security valve doubles the provision for operator safety. The external led light, viewable

from the top of the man-hole and the audible buzzer are the devices to confirm that the pump has reached the maximum pressure developing the maximum cutting force.

The unit has a manual pressure release button in case of emergency. Easy access to the oil reservoir is by means of an oil top-up inlet. The innovative radio control

is able to work in man-hole scenario where radio communication is normally more complicated. The OLED display fitted on the pump provides essential real time tool operating information including:

- Operating mode selection (cutting or crimping)
- Release mode selection: Smart release, manual release
- Minimum set pressure and

momentary pressure reached expressed in bar/psi allows verification of correct operation

- Battery charge level
- No. of cycles performed
- No. of cycles before scheduled recommended maintenance
- Motor temperature
- Operating command (radio or manual)

The unit is fitted by secondary operating trigger which can be selected through the OLED display in case of need.



NEW PORTABLE CORDLESS-HYDRAULIC PUMP RADIO CONTROLLED

Operating features:

- 66 ft. radio control operating range
- Intelligent auto-return at the end of the cycle (Smart Release)
- OLED multifunctional display with touch button
- Electronic Pressure Sensor (EPS)
- SMARTOOL technology for viewing and downloading operational data.
- Double acting with radio control or manual intervention
- Pressure release button
- Audible and visual indication of alarms
- Anatomical shaping for more convenient and practical handling
- Li-Ion 18.0V-7Ah rechargeable high capacity battery
- Automatic battery connection system with release button



Data recording and intelligent control allow complete verification of operational parameters



LED indicators and buzzer



OLED multifunctional display



Automatic battery connection system



Pressure release button





B68M-P18A-KV-RC1

Portable Cordless - Hydraulic Pump

TOOL					Radio remote control	
Max operating pressure psi	Dimensions in.			Weight lbs	frequency GHz	Operating range ft.
10,000	length	width	height			
	15.9	8.3	9.3	12.8	2,4	66
STORAGE						
Type	Dimensions in.			Weight lbs	Supplied with the tool	Purchase separately
Canvas bag 031*	22.8x11.8x12.6			4.9	✓	—

*Supplied with the pump

The unit is fitted by dielectric oil in order to avoid electrocution during the cutting operation of cables accidentally live.

The radio remote control is paired to a specific pump using the approved frequencies adopted in USA.

Designed with improved handling characteristics, B68M-P18A-RC1 is easily manageable during the operating process and has a fiberglass-plastic shell with high resistance to wear and damage. Selecting the SMART release mode on the OLED display allows the operating pressure to be maintained until the operating button is released, thus allowing the operator to make a visual check of, say, the crimped connection. Releasing the button then automatically releases the pressure. Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface located under the battery.



Available in
MAKITA & METABO
version



Supplied with:

- Radio remote control (2405 ÷ 2480 MHz)
- **CB 1870L**, Li-Ion 18.0 V 7.0 A h Battery (2 pcs)
or Makita 18V 6.0Ah Li-Ion Battery (2pcs)
- **ASC 30-36 USA/CAN 27046000**, AC charger (115V)
(INPUT 115 V / 60 Hz; OUTPUT 12-42 V DC / 3.0 A max.)
or Makita DC18RC charger.
- USB cable
- Shoulder strap
- **Canvas Bag 031**



Example of operating informations on OLED display:



Operating mode



Battery level



Release mode



No. of cycles



Pressure mode



Motor temperature

TC050Y-KV

Hydraulic Cutting Head



Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max.
TC050Y-KV features the same cutting capability as HT-TC050.



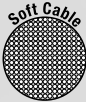
TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
length	width			
2	10,000	12.6	4.2	7.5
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
Canvas bag 011	14.2x5.4	0.3	✓	—

TC065Y-SC-KV

Hydraulic Cutting Head



Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max.
TC065Y-SC-KV features the same cutting capability as HT-TC065.



TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
length	width			
2-9/16	10,000	16.9	5.3	12.3
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VAL TC065	18x6.1xh2.6	0.3	✓	—



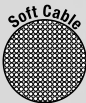
TC085Y-KV

Hydraulic Cutting Head



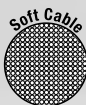
Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max.

TC085Y-KV features the same cutting capability as HT-TC0851.



TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
length	width			
3-3/8	10,000	16.1	9.2	12.1
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VAL TC 085	18.3x6.1xh2.6	5.3	✓	—





TC096Y-KV

Hydraulic Cutting Head

TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
length	width			
3-3/4	10,000	14.6	9.5	18.5
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VAL 096	17.7x10.4x5.7	15.0	✓	—



Handle designed for ease of operation



TC096Y-KV is a hydraulic cutting head specifically designed for cutting copper and aluminum cables having overall diameter up to 3-3/4". The blades are manufactured from high strength special steel, heat treated to ensure a long service life, and the shape of the blades provides a "clean" cutting of the cable.

This head is fitted with a male automatic coupler to be connected to a hydraulic pump developing a maximum pressure of 10,000 psi.



TC120Y-KV

Hydraulic Cutting Head

TOOL				
Max head opening in.	Max operating pressure psi	Dimensions in.		Weight lbs
length	width			
4-3/4	10,000	21.1	6.9	21.3
STORAGE				
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately
VAL TC 120	23.2x8.2x3.3	10.8	✓	—

TC120Y-KV is a hydraulic cutting head specifically designed for cutting copper, aluminum and telephone cables having overall diameter up to 4-3/4".

The blades are manufactured from high strength special steel, heat treated to ensure a long service life. The shape of the blades provides a "clean" cut and the head can be easily opened to allow cutting of running cables.

This head is fitted with a male automatic coupler to be connected to a hydraulic pump developing a maximum



Handle designed for ease of operation



Opening head, to allow cutting of running cables

TC 120 cutting capacity - a few examples:	
Cable type	3x300 MCM steel armoured Ø 3.2 in.
	2000 MCM Cu - EPR rubber insulated; Ø 3.35 in.
	2000 MCM Cu - EPR rubber insulated + lead sheath; Ø 3.62 in.
	2000 MCM Cu - EPR rubber insulated + lead sheath + PE sheath; Ø 3.94 in.
	350-400 MCM EPR rubber insulated

RHC131LN-KV

12 Ton - Hydraulic Presshead



TOOL					
Crimping force ton	Max operating pressure psi	Dimensions in.		Jaw Opening in.	Weight lbs
		length	width		
12*	10,000	11.7	4.8	1.7	11.9
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
CVB-009	15.3x15.3xh6.3	1.3	✓	—	
MAIN APPLICATIONS - max size MCM					
Copper lugs and splices		Aluminum lugs and splices		"C" sleeve connectors	
800		up to 750		350	

*Conventional force

Hydraulic head featuring a large 1.65 in. jaw opening; complete with quick automatic coupler for connection to a KV hydraulic pump with a working pressure of 10,000 psi max. Is suitable for installing the same range of connectors as HT131LN-C. This head is provided with TF flexible hose.



10ft flexible hose included, fitted by non conductive oil and fully insulated couplers

RHC131LN

12 Ton - Hydraulic Presshead



TOOL					
Crimping force ton	Max operating pressure psi	Dimensions in.		Jaw Opening in.	Weight lbs
		length	width		
12*	10,000	11.7	4.88	1.7	11.9
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VAL-P26*	17.52x11.42xh4.53	2.6	—	✓	
MAIN APPLICATIONS - max size MCM					
Copper lugs and splices		Aluminum lugs and splices		"C" sleeve connectors	
800		up to 750		350	

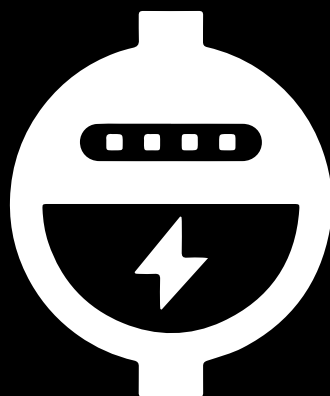
*Conventional force

*Suitable for storage of the head and 14 sets of dies

Hydraulic head featuring a large 1.65 in. jaw opening; complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max. Is suitable for installing the same range of connectors as HT131LN-C.



These tools are supplied without dies.



HP3



Mechanical Tool



HP3-1 version with positioner for PVC, PC and PA6.6 insulated terminals and connectors

Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

Technical features:		Crimpstar® HP 3	Crimp style: 	
		Crimpstar® HP 3-1		
	Crimping range:	PVC, PC and PA6.6 insulated terminals and connectors for conductor sizes 23 to 10 AWG		
	Dimensions:			
	Length (closed handles)	9.2 in.		
	Width (closed handles)	2.8 in.		
	Height	0.7 in.		
	Weight:	1.14 lbs		
	Package dimensions:	9.4 x 3.2 x 1.0 in.		



HN5

Mechanical Tool

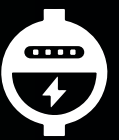
Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.



Technical features:		Crimpstar® HN 5	Crimp style:	
	Crimping range:		Uninsulated terminals and connectors for conductor sizes 8 to 6 AWG	
	Dimensions:			
	Length (closed handles)		9.2 in.	
	Width (closed handles)		2.8 in.	
	Height		0.7 in.	
	Weight:		1.08 lbs	
	Package dimensions:		9.4 x 3.2 x 1.0 in.	





KT

Cable Cutters

KT 1

Cutting Capacity - Section Cond. AWG

Rigid	Multi-Cond.	Flexible
Cu 6	Cu 1/0	Cu 2/0
Al 2	Al 1/0	

KT 3N

For cutting cables

Ø max	Weight	Length
1/4 in. (600MCM)	1.3 lbs.	10.2 in.

KT 2

Cutting Capacity - Section Cond. AWG

Rigid	Multi-Cond.	Flexible
Cu 6	Cu 2/0	Cu 3/0
Al 1/0	Al 2/0	

KT 4N

For cutting cables

Ø max	Weight	Length
max 2.4 in. (1000MCM)	1.76 lbs.	11.7 in.

KT 5

Hand operated tool for cutting cables up to max section 3 AWG

Hand operated ratchet cable cutter for stranded and flexible copper and aluminum cables

SC6X

Wire Cutters

Main Features

Model	Dimensions mm			
	Length	Width	Height	Weight g
SC6X	153	73,6	18	86

The particular shape of the blades optimises use in limited spaces and cutting of conductors with minimum effort. Handles have an integrated crimping system for end sleeves. The anti-loosening pivot and bevelled profile allow the accurate and consistent alignment of the blades.

High hardness blades (58 HRC) and an anti-slip serrated edge for making precise cuts even on more difficult materials. Shaped groove for cutting conductor up to 50 mm².

Supplied with carry case and belt fastening system.

Agil-E

CTBB1-1

Pouch Kit

Pouch Kit CTBB1-1

Main Features

Model	Dimensions in.			Pouch Kit Weight lb.
	Length	Width	Height	
KIT CTBB 1-1	9.05	5.90	1.97	1.05

CTBB1 equipped with selection of tools.

Tools contained in the kit:

Qty	item	description
1	SDC3X100-KV	screwdriver 3x100
1	SDC3.5X100-KV	screwdriver 3,5x100
1	SDC4X100-KV	screwdriver 4x100
1	SDC1PH-KV	screwdriver ph1
1	SDC2PH-KV	screwdriver ph2
1	SC5X	scissors SC5X

PROFESSIONAL SCREWDRIVERS

Models and features

The Cembre range of insulated screwdrivers have dual compound handgrips and an ergonomic design making them particularly practical and comfortable in the following modes of use:

- Normal
- Fast
- Forced

To ensure quick identification, the type and size of the head are indicated in different colours on the back of the handle.

The heads are made from Chromium Molybdenum steel with a hardness of 55-59 HRC and are hardened with Phosphoric Manganese Acid to increase corrosion resistance; the size of the insulating cover allows it to be inserted into tight spaces.

Each individual screwdriver is tested in accordance with EN 60900



C▲1000V
EN/IEC - 60900



Blade type identification on the back of the handle

Soft and durable hand guard

Narrow insulating cover to allow insertion into tight spaces

Chromium Molybdenum steel head with hardness 55-59 HRC and anti-corrosion surface treatment

Shaped blade for greater resistance and stability

Ergonomic and shaped hand grip

Coating in dual compound plastic material with soft rubber inserts



Head type identification codes:
 ○ **White** - Flat head
 ○ **Yellow** - "Phillips" cross head
 ○ **Green** - "Pozidriv" cross head
 ○ **Red** - "Phillips" combination head
 ○ **Blue** - "Pozidriv" combination head

Steel tips



Ergonomic handle

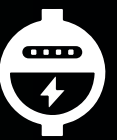


Hand guard



Attachment hole





Flat head screwdrivers



Main Features

Model	Head Dimensions in.		Blade Length in.	Total Length in.	Weight lb.
	Width	Thickness			
SDC 3 X 100-KV	0.12	0.01	3.93	7.28	0.07
SDC 3.5 X 100-KV	0.13	0.02	3.93	7.28	0.08
SDC 4 X 100-KV	0.16	0.03	3.93	8.07	0.13
SDC 5.5 X 125-KV	0.21	0.04	4.92	9.05	0.17
SDC 6.5 X 150-KV	0.25	0.05	5.90	10.43	0.115
SDC 8 X 175-KV	0.31	0.05	6.89	11.73	0.181

PH Phillips cross head screwdrivers



Main Features

Model	Head Dimensions in.		Total Length in.	Weight lb.
	Size	Blade Length		
SDC 0PH-KV	PH0	2.36	5.70	0.06
SDC 1PH-KV	PH1	3.15	7.40	0.14
SDC 2PH-KV	PH2	3.93	8.46	0.21

PZ Pozidriv cross head screwdrivers



Main Features

Model	Head Dimensions in.		Total Length in.	Weight lb.
	Size	Blade Length		
SDC 0PZ-KV	PZ0	2.36	5.70	0.06
SDC 1PZ-KV	PZ1	3.15	7.40	0.14
SDC 2PZ-KV	PZ2	3.93	8.46	0.21

PHSL Phillips combination head screwdrivers



Main Features

Model	Head Dimensions in.		Total Length in.	Weight lb.
	Size	Blade Length		
SDC 1PH-SL-KV	PH1 SL	3.15	7.40	0.14
SDC 2PH-SL-KV	PH2 SL	3.93	8.46	0.21

PZSL Pozidriv combination head screwdrivers



Main Features

Model	Head Dimensions mm		Total Length mm	Weight g
	Size	Blade Length		
SDC 1PZ-SL-KV	PZ1 SL	3.15	7.40	0.14
SDC 2PZ-SL-KV	PZ2 SL	3.93	8.46	0.21

Set of 7 Screwdrivers - KSDC 7 KV



Main Features

Set consists of: Model	Dimensions mm		Total Length mm	Weight g
	Head Size	Blade Length		
SDC 3 X 100-KV	0.12	3.93	7.28	0.07
SDC 4 X 100-KV	0.16	3.93	8.07	0.12
SDC 5,5 X 125-KV	0.21	4.92	9.05	0.17
SDC 6,5 X 150-KV	0.25	5.90	10.43	0.25
SDC 0PH-KV	PH0	2.36	5.70	0.06
SDC 1PH-KV	PH1	3.15	7.40	0.14
SDC 2PH-KV	PH2	3.93	8.46	0.21

PROFESSIONAL PLIERS

Pliers, Nippers and Wrenches



C 1000V
EN/IEC - 60900:2004

The design of Cembre insulated pliers and the use of dual-compound plastic material in the handle cover optimise the distribution of the force over the entire surface in contact with the palm of the hand.

This leads to:

- A reduction of the effort applied
- A greater transmitted force
- Safer grip
- Prevention of injury to the fingers between the handles

As for all Cembre insulated tools, each individual pair of pliers is tested in accordance with EN 60900

Special steel structure particularly resistant, cutting hard wire

Chrome finish

Soft and resistant hand guard

Particularly soft articulated joint

Soft Rubber inserts

Strong and long lasting grip zone

Extra-long cutting edge and large recess for wide cables

Shaped and ergonomic hand grip

Insulated handles covered in dual-compound plastic material

Wide and safe hand guard



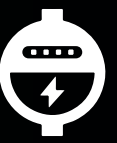
Soft articulated joint



Ergonomic hand grip



Gripping and cutting edges



UPC Universal pliers

Main Features

Model	Total Length in.	Head Dimensions in.		Weight lb.
		Width	Thickness	
UPC 180-KV	7.0	1.06	0.43	0.63
UPC 200-KV	7.9	1.26	0.46	0.84

TR Nippers

Main Features

Model	Total Length in.	Head Dimensions in.		Weight lb.
		Width	Thickness	
TR 160-KV	6.3	0.75	0.39	0.50

TR Heavy duty nippers

Main Features

Model	Total Length in.	Head Dimensions in.		Weight lb.
		Width	Thickness	
TR 200-KV	7.87	1.18	0.51	0.67

SPC Straight nose pliers

Main Features

Model	Total Length in.	Head Dimensions in.		Weight lb.
		Width	Thickness	
SPC 200-KV	7.87	0.84	0.42	0.56

SPC 45° nose pliers

Main Features

Model	Total Length in.	Head Dimensions in.		Weight lb.
		Width	Thickness	
SPC 200B-KV	7.87	0.84	0.42	0.57

WPC Pipe wrench

Main Features

Model	Total Length in.	Head Dimensions in.		Weight lb.
		Width	Thickness	
WPC 250-KV	9.84	1.14	0.30	0.83

B15MA

18.0 V Cordless hydraulic crimping tool



TOOL					
Crimping force ton	Dimensions in.			Battery Li-Ion	Weight lbs (with battery)
1.7	length	height	width	18.0 V 2.0 Ah	3.8
13.3	5.3	3.2			
STORAGE					
Type	Dimensions in.	Weight lbs	Supplied with the tool	Purchase separately	
VAL P22	18.3x12.4x4.6	3.3	✓	—	
MAIN APPLICATIONS - max size MCM					
Copper lugs and splices		Aluminum lugs and splices		"C" sleeve connectors	
22 - 6		22 - 6		22 - 2	

The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- AC charger (110-115V)
- Plastic carrying case suitable for storing the tool and accessories



Can be operated with one hand. Balanced for greater control. Head rotates by 340° for ease of operation in confined spaces. The tool is fitted with a maximum pressure valve. Extremely quiet, minimal vibration. Durable moulded body offering high resistance to wear and damage in all operating conditions. New Li-Ion 18V 2Ah High Power battery. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. Supplied in a robust plastic case to accommodate the tool and all the accessories. Two batteries and AC charger (110-115V) included. Many different interchangeable crimping dies available. Operating temperature: +5 to +122°F



CRIMPING DIES AVAILABLE

Cond. Size (AWG)	Connector type	DIE SET	
22 ÷ 6	A...; L...M; L...P; S...; RN...; BN...; GN...	MA03/3-15	
16 ÷ 8	A...; L...M; L...P	ME03/2-15	
8 ÷ 6	A...; 2A...; L...M; L...P	ME2/3-15	
12 ÷ 8	T... (NF C 20130 style); L...T	MS4/10-15	
8 ÷ 6	T... (NF C 20130 style); L...T	MS10/16-15	
8 ÷ 6	HR...; HSV...	MH10/16-15	
10 ÷ 6	DR... (DIN 46235 style); DSV... (DIN 46267 T1 style)	MK5/8-15	
8 ÷ 6	ANE...; AN...; IN...; EN...	NN4-15	
22 ÷ 10	R...; B...; G... (not suffix P); PL...; NL...	RBG-15	
22 ÷ 10	R...; B...; G... (not suffix P, RF/BF-BF)	RBV-15 with positioner	
22 ÷ 12	PKE; PKC; PKD; PKT; KE	KE4-15	
12 ÷ 6	PKE; PKC; PKD; PKT; KE	KE16-15	
6 ÷ 2	PKE; PKC; PKD; PKT; KE	KE35-15	
14 - 12 - 10	CS4 (for photovoltaic installations)	MCS4-15	

Available also:

B15MA-WS, with wire stop and connector positioner



B15MA-WS, head detail



Battery led indicators



Interchangeable die sets



switch ergonomically designed



Slot-in battery with release button



ROLLY3000

Thermal transfer printer for roll media

Robust and quiet, ROLLY3000 provides reliable, intensive operation in office or factory combined with the facility to optimise printer set-up according to the media.

ROLLY3000 is delivered complete with power & connection cables and GENIUSPRO software including a universal driver for Windows® (7, 8 & 10) to ensure program compatibility.

ROLLY3000 is ideal for printing all Cembre flat material on rolls, eg. cable tags for holders, tie on, wraparound cable markers, legend strips and labels.

Maximum print area: 4.1 inch wide, up to 78.74 inch long.

Printer Dimensions:

- Length 18.11 in.
- Width 9.92 in.
- Height 11.33 in.
- Weight 22 lbs.



SPEED

prints 4.000 4x10 cable tags
in less than two minutes

1.000 thermoshrinking tubes
in less than 3 minutes

CONVENIENCE

software provides quick and easy upload of the data
to be printed

ECONOMY

prints around 140.000 4x10 cable tags with a
single ribbon

QUALITY

printer resolution 300 dpi

Printer ROLLY3000

- Mains cable
- USB cable
- Cover
- Black printer ribbon TPS-060 842112
- Installation, Operating & Maintenance and User documentation
- Software GENIUSPRO on CD



MG3

Printer



SPEED

prints 112 4x10 cable tags in less than 12 seconds

CONVENIENCE

software provides quick and easy upload of the data to be printed

ECONOMY

prints around 300.000 4x10 cable tags with a single ribbon

QUALITY

printer resolution 300x600 dpi

MARKINGENIUS®MG3 has been exclusively designed by Cembre for the identification of conductors and electrical components.

MARKINGENIUS®MG3 is a high resolution plug&play flat bed printer based on thermal transfer technology, capable of producing tags for cables, pipes and tubes; terminal block markers and legends and labels for all electrical panels, components and equipment. All Cembre MG media can be printed with monocolour Windows True Type fonts at high speed.

MARKINGENIUS®MG3 will also reproduce Clipart images, drawings, barcodes and bitmaps down to very small sizes.

Compact, ergonomic, clean and quiet MARKINGENIUS®MG3 may be conveniently located in an office, like any other computer peripheral.

Each monochrome ribbon can print more than 300.000 MG-TPMF 4x10 mm cable tags with full printable surface coverage. Carriage loading and unloading operations are rapid; support templates are easily interchanged and as the pigment deposited from the ribbon dries instantaneously, printed sheets are immediately ready to use.

Printer dimensions:

- *Length: 15.04 in.*
- *Width: 9.05 in.*
- *Height: 8.7 in.*
- *Weight: 21.16 lbs.*

Printer MG3

- MG2-PWC 991000 Support template for tags MG-TPM
- MG2-PLT 991002 Support template for serieFLAT media
- MG2-QTB 991011 Support template for terminal blocks
- Mains cable
- USB cable
- Protective cover MG2-COV 991680
- Ribbon take up core MG2-CRB 991654
- Black printer ribbon MG2-ETR 991600
- Installation, Operating & Maintenance and User documentation
- Software GENIUSPRO on CD





GENIUSPRO

Printing Software

for all Cembre printers

GENIUSPRO is the latest software developed by Cembre.

- Simple and intuitive
- Operator needs only basic computer skills
- Enhanced features include full size Dynamic Preview
- assures increased capability and performance when printing text, symbols and images on Cembre MARKINGENIUS® and ROLLY3000.

MARKINGENIUS® and ROLLY3000 systems are delivered complete with power & connection cables and GENIUSPRO software including a universal driver for Windows® to ensure compatibility.

Software features

Easy data insertion

More than ten types of counter

*.txt, *.cad, *.dbf, *.xls and other file types can be imported

MATRIX, ACS and Simplo conversion

Spac, EPLAN, IGE-XAO and Excel importation

Customisable print output filters

Optimised printing of media for cables, terminal blocks, control gear, connectors, push buttons, components, panels and self adhesive labels

All Windows fonts

Designs customised media

Vector, drawing and clip art printing

Free upgrades with each release

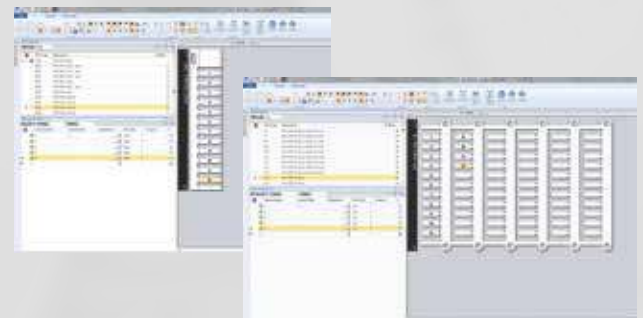
Help function

Minimum system requirements

- PC Processor Intel®Core™ i3 or equivalent
- 4 Gb RAM
- USB connection
- 2 Gb available hard disk space
- Video resolution 1280x1024
- Windows 7, 8 and 10



www.cembre.com - www.cembre.us - www.cembreinc.com



System-lifetime support

- free software updates
- pre-purchase trials
- free of charge training and support every working day, by phone, remote computer access via internet or site visit
- samples of available media for customer approval and new media developments welcome
- loan machine when printer returned for service.

Software	Quantity	Description
GENIUSPRO-5L	1	Software GENIUSPRO - 5 Licenses
GENIUSPRO-1L	1	Software GENIUSPRO - 1 Licence

HS12

Mechanical Tool



General features:

Suitable for installing aluminium seals onto Ø 1.1 mm stainless steel wire.

Product	Dimensions in.		Weight lb
	Length	Width	
HS12	8.7	2.9	1



1

A factory set, ratchet controlled mechanism, to ensure a complete crimping operation and automatic handle opening.



2

Precision cast, specially heat treated steel jaws for crimping the aluminium seals. The nest and indentor can be customised to imprint a unique code.



3

Fixed pins and pivot pins, riveted and identified with the Cembre logo.



4

Specially heat treated, steel handles with ergonomically designed plastic grips.



5

The ratchet controlled mechanism is protected by a steel guard, to prevent tampering.



Seal system

MECHANICAL TOOL HS12

Mechanical tool **HS12**, Made using the **Crimpstar®** series mechanics, has been specifically designed for the compression of aluminum seals on lanyard for sealing stainless steel Ø 1,1 mm. Given the particular scope of application, in order to prevent attempts to tamper with the tool and to prevent its misuse, some constructive features have been adopted:

- The fixed pins and the pivot pins are riveted and have the Cembre logo on both ends.
- The fingerprints of each tool, matrix and punch are customized by engraving alphanumeric codes that, during compression, are imprinted on the aluminum seal; The same codes are also clearly indicated on the side of the movable head next to the tool identification mark (image 1).
- A limiting device, previously calibrated at the factory, prevents the tool handles from being re-opened before the compression is completed; Such a device is suitably protected against possible tampering with steel sheet metal tamponade.

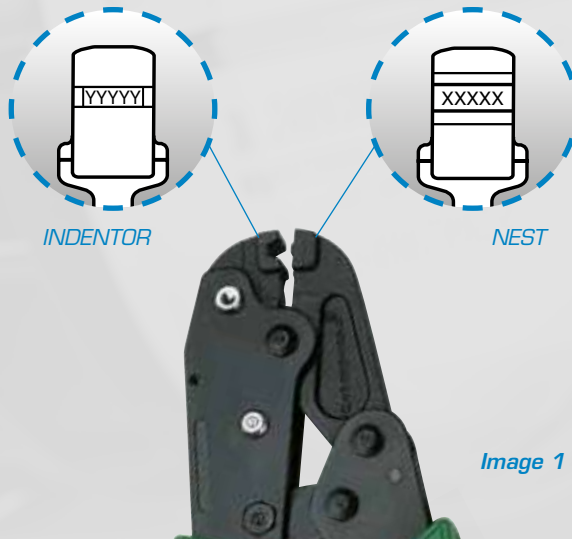


Image 1 - Codes

SEALS (Image 2)

The seal is cylindrical and is made of a special aluminum profile; The seal is provided with a through hole for the introduction of the sealing cord heads; After installation, on both sides, a code format of up to 5 characters is imprinted.



Image 2 - Seals

SEAL KIT SE 200 (image 3)

Seal Kit is composed by:

- A plastic spool, with an automatic self-closing lid, for storing the steel wire and the seals.
- 150 aluminium seals.
- 15 m of Ø 1.1 mm stainless steel wire, coiled in the spool.
- The spool is designed to prevent the steel wire uncoiling.
- This kit enables a quick and efficient sealing operation to be performed.



Image 3 - Seal Kit

ACCESSORIES (image 4)

- It is supplied in a robust tool kit canvas bag to the tool housing and the eventual cutter.

On request

- Cutter **TR1** suitable for sealing steel cord lining.



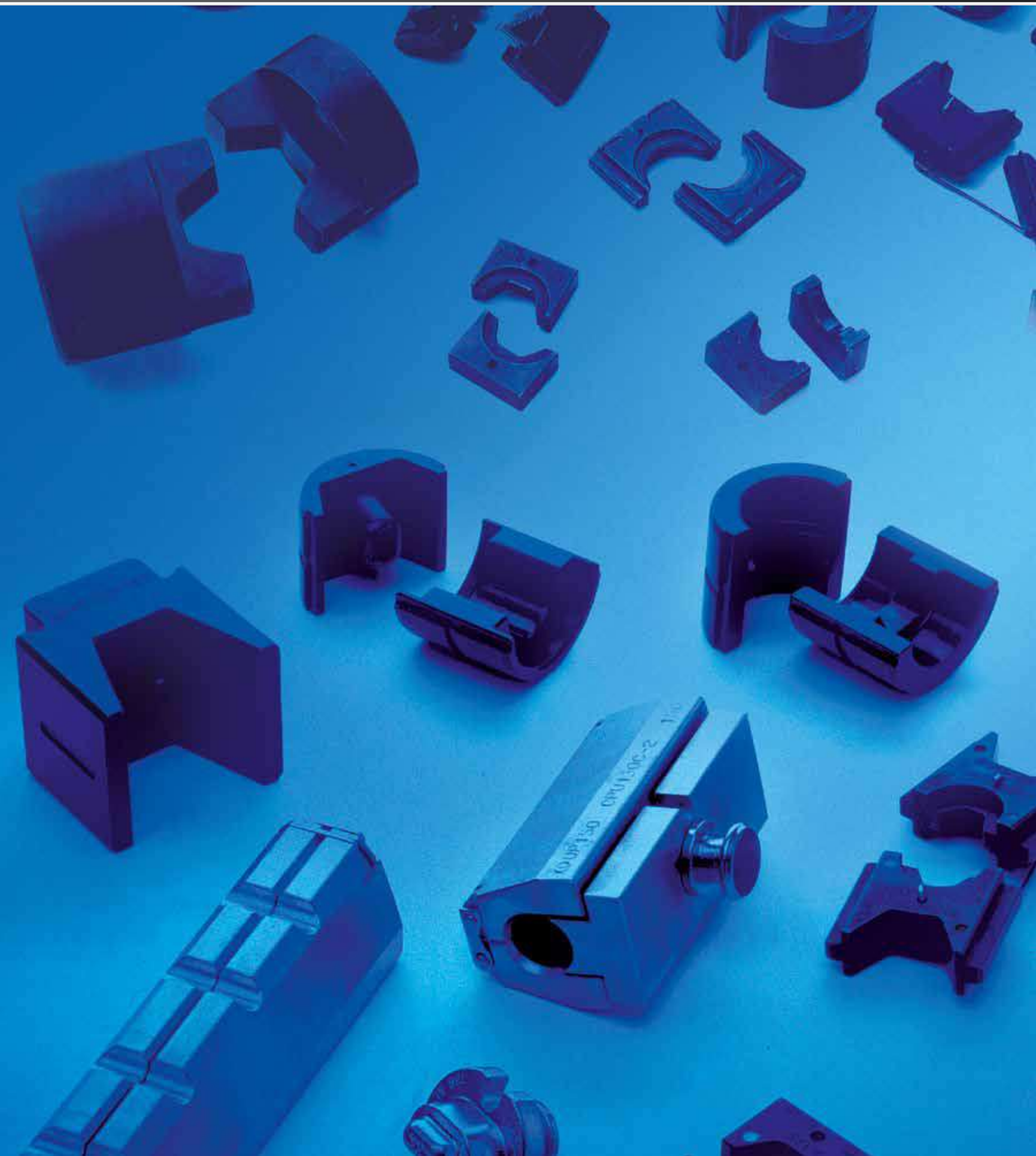
Image 4 - Accessories

INSTRUCTIONS




















- With the lanyard cut to size, make the sealing connection required.
- Insert the end of the cord into the seal hole.
- Place the seal in the cradle of the head;
- Compress the seal by firmly closing the tool handles that will automatically re-open only when compressed.

WARNING

- After use, clean the tool thoroughly with a clean cloth, taking care to remove any dirt that may be deposited on it, especially close to the moving parts.
- Lubricate regularly, with some drops of oil, moving parts and pins.



Dies cross reference chart

DIE INDEX	DIE PART NUMBER		
	 6 ton tools 51 series	 6 ton tools W dies	 12 ton tools U dies
161	MUT9999-50	MUT9999-W	MUT9999-C
162	MUT9998-50	MUT9998-W	MUT9998-C
163	MUT9997-50	MUT9997-W	MUT9997-C
164	MUT9996-50	MUT9996-W	MUT9996-C
166	MUT9995-50	MUT9995-W	MUT9995-C
167		MUT9958-W	MUT9958-C
168			MUT9974-C
169			MUT9979-C
170			MUT9973-C
203	MUT9943-50		MUT9943-C
204	MUT9941-50		
209			MUT9972-C
239	MUT9993-50	MUT9993-W	MUT9993-C
242			MUT9967-C
243	MUT9991-50	MUT9991-W	MUT9991-C
247		MUT9954-W	
249	MUT9990-50	MUT9990-W	MUT9990-C
253			MUT9957-C
255			MUT9962-C
261			MUT9956-C
296*	 beige		MUT9924-C
297*	 yellow olive		MUT9923-C
298*	 white		MUT9921-C
299*	 brown		MUT9918-C
300*	 pink		MUT9916-C
305			MUT9977-C
316			MUT9976-C
317			MUT9965-C
322			MUT9971-C
324*	 red		MUT9920-C
327			MUT9961-C
346*	 grey		MUT9928-C
348*	 pink		MUT9926-C
373	MUT9989-50		MUT9989-C
374*	 blue		MUT9929-C
375*	 green		MUT9927-C
467*	 rubin		MUT9922-C
470*	 blue		MUT9919-C
471*	 gold		MUT9925-C
472*	 green		MUT9917-C
473*	 black		MUT9915-C
490			MUT9966-C
642			MUT9970-C
654	MUT9975-50		MUT9975-C
655			MUT9968-C
658	MUT9988-50		MUT9988-C
659	MUT9987-50	MUT9987-W	MUT9987-C
936*	 yellow		MUT9914-C
698	MUT9986-50		MUT9986-C
699			MUT9985-C
708			MUT9959-C
756			MUT9964-C
790			MUT9969-C
BG	MUT9984-50	MUT9984-W	MUT9984-C
C	MUT9983-50	MUT9983-W	MUT9983-C
D			MUT9978-C
D3	MUT9981-50		MUT9981-C
E	MUT9982-50		MUT9982-C
F			MUT9960-C
K840		MUT9942-W	
N			MUT9955-C
O	MUT9980-50	MUT9980-W	MUT9980-C

*Stainless Steel Dies

RHU600

60 Ton Dies cross reference chart

DIE INDEX	DIE PART NUMBER		
	CEMBRE	ALCOA	HUSKIE
10SH	M10SH-600	6010SH	HA60-01
12SH	M12SH-600	6012SH	HA60-02
14SH	M14SH-600	6014SH	HA60-03
16SH	M16SH-600	6016SH	HA60-04
18SH	M18SH-600	6018SH	HA60-05
20SH	M20SH-600	6020SH	HA60-06
74SH	M74SH-600	6074SH	HA60-07
75SH	M75SH-600	6075SH	HA60-08
76SH	M76SH-600	6076SH	HA60-09
76.1SH	M76.1SH-600	6076.1SH	
20AH	M20AH-600	6020AH	HA60-20
24AH	M24AH-600	6024AH	HA60-21
27AH	M27AH-600	6027AH	HA60-22
30AH	M30AH-600	6030AH	HA60-23
34AH	M34AH-600	6034AH	HA60-24
36AH	M36AH-600	6036AH	HA60-25
38AH	M38AH-600	6038AH	HA60-26
40AH	M40AH-600	6040AH	HA60-27
74AH	M74AH-600	6074AH	HA60-28
75AH	M75AH-600	6075AH	HA60-29
76AH	M76AH-600	6076AH	HA60-30
07CD	M7CD-600	6007CD	HA60-40
08CD	M8CD-600	6008CD	HA60-41
09CD	M9CD-600	6009CD	HA60-42
10CD	M10CD-600	6010CD	HA60-43
11CD	M11CD-600	6011CD	HA60-44
12CD	M12CD-600	6012CD	HA60-45
13CD	M13CD-600	6013CD	HA60-46
14CD	M14CD-600	6014CD	HA60-47
15CD	M15CD-600	6015CD	HA60-48
16CD	M16CD-600	6016CD	HA60-49
17CD	M17CD-600	6017CD	HA60-50

RHU1000

100 Ton Dies cross reference chart

DIE INDEX	DIE PART NUMBER		
	CEMBRE	ALCOA	HUSKIE
10SH	M10SH-1000	10010SH	HA100-01
12SH	M12SH-1000	10012SH	HA100-02
14SH	M14SH-1000	10014SH	HA100-03
16SH	M16SH-1000	10016SH	HA100-04
18SH	M18SH-1000	10018SH	HA100-05
20SH	M20SH-1000	10020SH	HA100-06
76SH	M76SH-1000	10076SH	
20AH	M20AH-1000	10020AH	HA100-20
24AH	M24AH-1000	10024AH	HA100-21
27AH	M27AH-1000	10027AH	HA100-22
30AH	M30AH-1000	10030AH	HA100-23
34AH	M34AH-1000	10034AH	HA100-24
36AH	M36AH-1000	10036AH	HA100-25
38AH	M38AH-1000	10038AH	HA100-26
40AH	M40AH-1000	10040AH	HA100-27
76AH	M76AH-1000	10076AH	HA100-30
42AH	M42AH-1000	10042AH	HA100-34
44AH	M44AH-1000	10044AH	HA100-36
48AH	M48AH-1000	10048AH	HA100-38
07CD	M7CD-1000	10007CD	HA100-40
08CD	M8CD-1000	10008CD	HA100-41
09CD	M9CD-1000	10009CD	HA100-42
10CD	M10CD-1000	10010CD	HA100-43
11CD	M11CD-1000	10011CD	HA100-44
12CD	M12CD-1000	10012CD	HA100-45
13CD	M13CD-1000	10013CD	HA100-46
14CD	M14CD-1000	10014CD	HA100-47
15CD	M15CD-1000	10015CD	HA100-48
16CD	M16CD-1000	10016CD	HA100-49
17CD	M17CD-1000	10017CD	HA100-50
18CD	M18CD-1000	10018CD	HA100-51
19CD	M19CD-1000	10019CD	HA100-52
20CD	M20CD-1000	10020CD	HA100-53

COLOR CODED LUGS AND SPLICES

Die selector chart

APPLICATION	CONDUCTOR		CONNECTOR		HYDRAULIC TOOLS					
					B 15MA	6 TON		12 TON		15 TON
						RH 50 B 500A B 550CA		B1300L-CA and similar tools for U dies		B 1500A
	Conductor Size		TERMINAL	SPLICE	DIE SET	DIE SET	COLOR CODE	DIE SET	DIE SET	
	AWG	Navy								
  	8	23	C8..	CL8..	BSCL8	ME03/2-15 ① ME2/3-15 ① MA03/3-15 ②	MY 2-50 ①	red	MY 2-C ①	Adaptor AU 150-C with die set MY..-C
	6		C6..	CL6..	BSCL6	ME2/3-15 ① MA03/3-15 ②	MY 3-50 ①	blue	MY 3-C ①	
	4	40	C4..	CL4..	BSCL4		MY 4-50 ①	grey	MY 4-C ①	
	3	50	C3..	CL3..	BSCL3		MY 5-50 ①	white	MY 5-C ①	
	2	60	C2..	CL2..	BSCL2		MY 6-50 ①	brown	MY 6-C ①	
	1	75	C1..	CL1..	BSCL1		MY 7-50 ①	green	MY 7-C ①	
	1/0	100	C1/0..	CL1/0..	BSCL1/0		MY 10-50 ②	pink	MY 10-C ①	
	2/0	125	C2/0..	CL2/0..	BSCL2/0		MY 14-50 ②	black	MY 14-C ①	
	3/0	150	C3/0..	CL3/0..	BSCL3/0		MY 16-50 ②	orange	MY 16-C ①	
	4/0	200	C4/0..	CL4/0..	BSCL4/0		MY 19-50 ②	purple	MY 19-C ①	
	250 MCM	250	C250..	CL250..	BSCL250		MY 24-50 ②	yellow	MY 24-C ①	
	300 MCM	300	C300..	CL300..	BSCL300		MY 30-50 ②	white	MY 30-C ①	
	350 MCM	350	C350..	CL350..	BSCL350		MY 36-50 ②	red	MY 36-C ①	
	400 MCM	400	C400..	CL400..	BSCL400		MY 37-50 ②	blue	MY 37-C ①	
	500 MCM		C500..	CL500..	BSCL500		MY 48-50 ③	brown	MY 48-C ②	
	600 MCM		C600..	CL600..	BSCL600				MY 60-C ②	
	750 MCM		C750..	CL750..	BSCL750				MY 76-C ②	

Adaptor
AU 150-C
with die set
MY..-C

○ = Circular crimp




⬡ = Hexagonal crimp

⌢ = Indent crimp

N.B.: Number inside symbol indicates the number of crimps for C short barrel lugs only


COPPER LUGS AND SPLICES



Die selector chart

APPLICATION	CONDUCTOR	CONNECTOR			H Y D R A U L I C T O O L S							
					B 15MA	6 TON			12 TON			15 TON
						RH 50 B 500A		B500nd B 550CA	B1300L-CA and similar tools for U dies			B1500A
	Conductor Size AWG	TERMINAL		SPLICE	DIE SET	NEST	INDENTOR	DIE SET	NEST	INDENTOR	DIE SET	DIE SET
	22 ÷ 14	A 03-M.. A 06-M..			L 03-M / L 03-P L 06-M / L 06-P	ME03/2-15 MA03/3-15						
	12 ÷ 10	A 1-M.. A 1-L..			L 1-M L 1-P	ME03/2-15 MA03/3-15	MA 1-50	PA 1-50	ME 1-50			
	8	A 2-M.. A 2-L.. A 2-P12	A 2-2M..		L 2-M L 2-P	ME03/2-15 ME2/3-15 MA03/3-15	MA 2.3-50	PA 5-50	ME 2-50	MA 2-C	PA 10-C	ME 2-C
6	A 3-M.. A 3-L.. A 3-P14	A 3-2M..	2A 3-M..	L 3-M L 3-P	ME2/3-15 MA03/3-15		ME 3-50		MA 3-C	ME 3-C		
4	A 5-M.. A 5-L.. A 5-P16	A 5-2M..	2A 5-M..	L 5-M L 5-P		MA 5-50	ME 5-50		MA 5-C	ME 5-C		
	2	A 7-M.. A 7-L.. A 7-P20	A 7-2M..	2A 7-M..	L 7-M L 7-P		MA 7-50	PA 10-50	ME 7-50	MA 7-C	PA 24-C	ME 7-C
	2-1/0	A 10-M.. A 10-L.. A 10-P25	A 10-2M..	2A 10-M..	L 10-M L 10-P		MA 10-50		ME 10-50	MA 10-C		ME 10-C
	1/0-2/0	A 14-M.. A 14-L..	A 14-2M..	2A 14-M..	L 14-M L 14-P		MA 14-50	PA 19-50	ME 14-50	MA 14-C	PA 48-C	ME 14-C
		A 14-P30							ME 17-50			ME 17-C
	2/0-3/0	A 19-M.. A 19-L..	A 19-2M..	2A 19-M..	L 19-M L 19-P		MA 19-50		ME 19-50	MA 19-C	ME 19-C	
	3/0-250	A 24-M.. A 24-L..	A 24-2M..	2A 24-M..	L 24-M L 24-P		MA 24-50	PA 24-50	ME 24-50	MA 24-C	ME 24-C	
	250-300 MCM	A 30-M.. A 30-L..	A 30-2M..	2A 30-M..	L 30-M L 30-P				ME 30-50	MA 30-C	ME 30-C	
	300-350 MCM	A 37-M.. A 37-L.. A 37-4ESI	A 37-2M..	2A 37-M..	L 37-M L 37-P				ME 37-50	MA 37-C	ME 37-C	
	350-500 MCM	A 48-M.. A 48-L.. A 48-4ESI	A 48-2M..	2A 48-M..	L 48-M L 48-P				ME 48-50	MA 48-C	ME 48-C	
	500-600 MCM	A 60-M.. A 60-L.. A 60-4ESI	A 60-2M..	2A 60-M..	L 60-M L 60-P				ME 60-50*	MA 60-C	PA 60-C	ME 60-C
	800 MCM	A 80-M.. A 80-4ESI	A 80-2M..	2A 80-M..	L 80-M							ME 80-C
	1000 MCM	A 100-M.. A 100-4ESI		2A 100-M..	L 100-M							
	1250 MCM	A 120-M.. A 120-4ESI		2A 120-M..	L 120-M							
	1500 MCM	A 160-M.. A 160-4ESI		2A 160-M..	L 160-M							
	2000 MCM	A 200-M..		2A 200-M..	L 200-M							

Adaptor AU 150C with die set ME.-C

Adaptor AU 150C with die set ME.-C



 = Hexagonal crimp (use one size up with fine stranded conductors, E.G.: 3/0 fine stranded use A19-.. + ME 19 or A 20-.. + ME 20)

  = Indent crimp

• Only for flexible conductors

* Only for B 500A and RH 50.

N.B.: Number inside symbol indicates the number of crimps on A-M barrel

APPLICATION	CONDUCTOR		CONNECTOR		H Y D R A U L I C T O O L S		
					6 TON	12 TON	15 TON
					RH 50 B 500A B 550CA	B1300L-CA and similar tools for U dies	B 1500A
<div>C..C..ST</div> <div></div> <div>C..C..</div> <div></div>	Conductor Size AWG		CONNECTOR	CONNECTOR	DIE SET	DIE SET	DIE SET
	Run	Tap					
	#9 ÷ #13	#9 ÷ #15	C 6 - C 6 ST	C 6 - C 6	MC 6-50 ①		
	#7	#7 ÷ #15	C 10 - C 10 ST	C 10 - C 10	MC 10-50 ①	MC 10-C ①	Adaptor AU 150-C with die set MC..-C
	#5	#5 ÷ #15	C 16 - C 16 ST	C 16 - C 16	MC 25-50 ②	MC 25-C ①	
	#3 ÷ #5	#7 ÷ #15	C 25 - C 10 ST	C 25 - C 10			
	#3	#3 ÷ #5	C 25 - C 25 ST	C 25 - C 25			
	#1 ÷ #2	#5 ÷ #15	C 35 - C 16 ST	C 35 - C 16	MC 35-50 ②	MC 35-C ①	
	#1 ÷ #2	#1 ÷ #3	C 35 - C 35 ST	C 35 - C 35			
	1/0	#3 ÷ #7					
	2/0	#3 ÷ #15	C 70 - C 25N ST	C 70 - C 25N			
	1/0	#3 ÷ #11	C 50 - C 25 ST	C 50 - C 25			
	*1/0	1/0 ÷ #2	C 50 - C 50 ST	C 50 - C 50			
	*2/0÷1/0	#1	C 70 - C 35 ST	C 70 - C 35			
	*2/0÷1/0	2/0 ÷ #11	C 70 - C 70 ST	C 70 - C 70			
	4/0	#1	C 95 - C 35 ST	C 95 - C 35		MC 95-C ③	
	4/0	2/0	C 95 - C 70 ST	C 95 - C 70			
	4/0	4/0	C 95 - C 95 ST	C 95 - C 95			
	250 ÷ 4/0	250 ÷ #3	C 120 - C 120 ST	C 120 - C 120		MC 185-C ③	
	300 MCM	250 ÷ #3	C 150 - C 120 ST	C 150 - C 120			
	300 MCM	300 MCM	C 150 - C 150 ST	C 150 - C 150			
	350 MCM	4/0 ÷ #5	C 185 - C 95 ST	C 185 - C 95			
	350÷250 MCM	350÷250 MCM	C 185 - C 185 ST	C 185 - C 185			
	500 ÷ 300	250 ÷ 2/0	C 240 - C 120 ST	C 240 - C 120			

○ = Oval crimp

* When using die set type MC70-50, the conductors marked with a star must be annealed.

MAKITA/METABO VERSION



Metabo



Makita



PUMPS

Model	Order Code		Model	Order Code
B68M-P18A Psi 10,000	2596164		B68M-P18KA Psi 10,000	8504567
B68M-P18A-KV-RC1 Psi 10,000	2596167		B68M-P18KA-KV-RC1 Psi 10,000	8504569

Metabo

Makita

Crimping

Model	Order Code		Model	Order Code
B1350L-CA Crimping force 12 Ton	2599328		B1350LN-CA Crimping force 12 Ton	8504036
B1350L-CA-KV Crimping force 12 Ton	2599346		B1350LN-CA-KV Crimping force 12 Ton	8504032
B1300L-CA Crimping force 12 Ton	2599359		B1300LN-CA Crimping force 12 Ton	8504038
B1300L-CA-KV Crimping force 12 Ton	2599381		B1300LN-CA-KV Crimping force 12 Ton	8504039
B1500A Crimping force 15 Ton	2599305		B1500NA Crimping force 15 Ton	8504041
B550BA-KV Crimping force 6 Ton	2598979		B550BNA-KV Crimping force 6 Ton	8504027

MAKITA/METABO VERSION

Metabo



Makita



Cutting				
Model	Order Code		Model	Order Code
B-TC250YA Head opening 1"	2596261		B-TC250YNA Head opening 1"	8504501
B-TC450A Head opening 1-3/4"	2599406		B-TC450NA Head opening 1-3/4"	8504512
B-TC500A Head opening 2"	2598828		B-TC500NA Head opening 2"	8504519
B-TC500YA Head opening 2"	2598816		B-TC500YNA Head opening 2"	8504516
B-TC550A Head opening 2-3/16"	2599421		B-TC550NA Head opening 2-3/16"	8504542
B-TC650A Head opening 2-9/16"	2599441		B-TC650NA Head opening 2-9/16"	8504541
B-TC650-SCA Head opening 2-9/16"	2599431		B-TC650-SCNA Head opening 2-9/16"	8504518
B-TC950A Head opening 3-3/34"	2599461		B-TC950NA Head opening 3-3/34"	8504546

B540ND MAKITA/METABO VERSION

Metabo



Makita



Crimping					
	Model	Order Code		Model	Order Code
STANDARD	B540NDA6 BG fixed groove D3 to accept W style dies	8504129	 CDD6N jaws	B540NDK6 BG fixed groove D3 to accept W style dies	8504133
BASIC VERSION	B540ND-BVA6 BG fixed groove D3 to accept W style dies	8504131		B540NDK-BV6 BG fixed groove D3 to accept W style dies	8504135
STANDARD	B540NDA6-8 O fixed groove D3 to accept W style dies	8504128	 CDD6-8N jaws	B540NDK6-8 O fixed groove D3 to accept W style dies	8504132
BASIC VERSION	B540ND-BVA6-8 O fixed groove D3 to accept W style dies	8504130		B540NDK-BV6-8 O fixed groove D3 to accept W style dies	8504134
STANDARD	B540NDA6-6 Single bite D3 to accept W style dies	8504140	 CDD6-6N jaws	B540NDK6-6 Single bite D3 to accept W style dies	8504141
BASIC VERSION	B540ND-BVA6-6 Single bite D3 to accept W style dies	8504143		B540BNK-BV6-6 Single bite D3 to accept W style dies	8504144

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