CEMBRE

BA500 COMPRESSING IS NOW EVEN EASIER AND MORE EFFICIENT

www.cembre.com

USA

BA500 / ADAPTIVE CONTROL AND HOLD FUNCTION

CEMBRE

The ADAPTIVE CONTROL function guarantees optimization of the crimping cycle, automatically interrupting the cycle when the two dies come into contact.

This innovative approach eliminates the need to reach maximum pressure at each cycle, as is the case with traditional tools, reducing tool wear and ensuring the same quality standards as maximum pressure crimping.

The advantages?

- **Less mechanical stress on the tool and longer component life**
- **Energy savings and longer battery life**

At the end of each cycle, the system provides an analysis of the energy reduction compared to the standard cycle, indicating the percentage savings **(SAVED ...%)**.

Using the HOLD function, the tool stops automatically when the dies come into contact with the connector, without deforming it, this allows it to be held in place, facilitating complete insertion of the conductor and allowing correct positioning to be checked before crimping, thus **reducing errors**.

A smart solution for precise, efficient and long-lasting operations.

BA500 / HIGHLIGHTS

- **Adaptive Control (AC)**
- **HOLD function**
- **Electronic Pressure Sensor (EPS)**
- **TechnologySMARTOOL**
- **Multifunction OLED display with capacitive touch button**
- **Body and driving mechanism in STAINLESS STEEL**
- **+30.000 adaptive cycles* for maintenance** (*equivalent to 100,000 cycles performed on a medium-section connector)
- **Dual-speed feed system**

BA500 / INTELLIGENT CRIMPING

Adaptive control

Adaptive control allows the crimping cycle to be completed when the two dies come into contact with each other, which is essential for correct crimping. This prevents the maximum pressure threshold from being reached during each cycle, as is the case with traditional crimping tools.

Operational data acquisition technology

Thanks to SMARTOOL technology, CEMBRE tools record operating data, work cycles and errors/malfunctions in their internal memory. The memory can be read using CEMBRE software.

Always reliable and precise

The EPS electronic control system guarantees precision and repeatability of the crimping cycles because it relies on a reliable sensor dedicated to controlling and commanding the end-of-cycle function.

Display of parameters

The OLED display allows to view various parameters, including:

- Pressure developed
- Battery charge status
- General operating information
- Number of work cycles
- Number of cycles before maintenance

HOLD function

This feature allows the connector to be held between the dies without crimping it. This facilitates the insertion of the conductor into the connector and allows for verification of correct positioning before completing the crimping operation.

Adaptive service

The service interval of 30,000 cycles refers to standard tool operation. With the adaptive function enabled, this value is recalculated based on the pressure reached, expressing only the fraction of use actually employed, and bringing the service interval to 100,000 cycles when used on medium-section connectors.

BA500 / SAFE AND PRACTICAL

PISTOL

Comfort and convenience for the operator

The new design, reduced weight and balanced mass distribution make it easy to handle during use; the two-component plastic shell ensures adequate mechanical protection in all conditions of use.

Stop accidental activation

The start button is mechanically protected against accidental activation, and double-clicking at start-up provides additional safety for the operator.

Pressure release

Manual pressure release can be activated at any stage of crimping.

Robust and durable

The stainless steel body guarantees greater durability and reliability of the tool over time, reducing the number of maintenance operations

Double hydraulic speed

The patented dual-speed pumping system automatically switches from high speed for rapid approach to the connector crimping phase at a slower speed with pressure control. This guarantees reduced cycle times, energy savings, speed and autonomy of operation.

Double safety for the user

The tool is equipped with a maximum pressure valve as an additional safety feature in addition to the internal pressure transducer (EPS).

No overheating

The air flows inside the tool have been optimized to ensure proper cooling of the components, allowing the tool to operate even under particularly heavy workloads.

BA500 / THE CONNECTORS

COPPER

A-M
CRIMPING TERMINALS

DR-N
CRIMP TERMINALS ACCORDING TO DIN 46235

HR-N
CRIMPING TERMINALS

T-M
CRIMP TERMINALS ACCORDING TO NF C 20-130

Q
CRIMP TERMINALS ACCORDING TO DIN 46234

C
BSCL
COLOR CODED TERMINALS AND JOINTS

COPPER

ANE-M
PRE-INSULATED TERMINALS IN PA6.6

PK
PRE-INSULATED END SLEEVES IN PA6

CA-M/N, PT, CA-M
CRIMPING TERMINALS AND FULL TRACTION JOINTS

C-C
SLEEVE CONNECTORS

ALUMINUM

AAD, DSVA, CAAD-M, MTA-C
ALUMINUM TERMINALS AND JOINTS IN ACCORD-ANCE WITH DIN46329 AND DIN46267/2 AND BIMETAL TERMINALS IN ACCORD-ANCE WITH DIN46329

AA-M, CAA-M
ALUMINUM AND BIMETAL CONNECTORS

BA500 / THE DIES

CEMBRE

	Connector Type		Cond. section (AWG)	Die Type	Imprint Type
COPPER	A-M; L-M		(12 - 600 MCM AWG)	**ME..-50**	
	DR-N; DSV		(10 - 600 MCM AWG)	**MK..-50**	
	HR-N; HSV		(10 - 600 MCM AWG)	**MH..-50**	
	T-M; L-T		(12 - 600 MCM AWG)	**MS..-50**	
	Q		(10 - 2/0 AWG)	**MQ..-50**	
	C; CL; CL-D; BSCL		(8 - 500 MCM AWG)	**MY..-50**	
	ANE-M; ANE-P; ANE-U		(8 - 4/0 AWG)	**MNRF..-50**	
	PK; KE		(6 - 4/0 AWG)	**MTT..-50**	
	CA-M/N; PT		(8 - 3/0 AWG)	**M..-50**	
	CA-M		(4 - 400 MCM)	**MMT..-50**	
	C-C		(10 - 2/0 AWG)	**MC..-50**	
ALUMINUM	AAD; DSVA; CAAD-M; MTA-C		(6 - 600 MCM AWG)	**MK..B-50**	
	AA-M; CAA-M		(8 - 500 MCM AWG)	**MK..B-50**	
	PRE-ROUNDER		(12 - 500 MCM AWG)	**UP..-50**	
	CUTTING CONDUCTORS		Ø Max 0.63 inches	**WT16-50**	

Kit consisting of:

- Cordless base tool, shoulder strap
- Spare battery
- Battery charger
- USB cable
- Modular hard plastic case suitable for storing the tool and its accessories

Cod. 6263144

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CEMBRE

LRQA CERTIFIED
ISO 9001 • ISO 14001
ISO 45001

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