



CEMBRE

B500NDA MORE THAN JUST A TOOL,
AN INTEGRATED SYSTEM



www.cembre.com



B500NDA / THE INTEGRATED SYSTEM



Choose the safety provided by an integrated connection system.

For more than 50 years, the CEMBRE name has been synonymous with the highest standards in the development and production of integrated systems for electrical connections.

The integrated system consists of 3 elements: tools, dies and connectors to ensure a secure and reliable connection.

CEMBRE performs continuous research and development to ensure the production of its connection systems has high quality standards, able to meet any new requirements or needs.

This tool was developed to offer the operator high levels of ergonomics, reliability and practicality, making it the ideal solution for performing any task quickly and accurately.

Tool-compatible dies are designed to perform optimal compression of different types of connectors according to **international standards**, such as **CEI EN 61238-1** and **UL 486A-486B, UL486F**.



B500NDA / HIGHLIGHTS



Electronic Pressure Sensor (EPS)



Automatic smart return
(Smart Release)



SMARTOOL technology



Multifunction OLED display with
capacitive touch button



STEEL transmission and internal body



"Bi-Axial" structure of the tool
mechanics



First maintenance at 30,000 cycles



Double speed pumping system



180° swivel head



Working area illuminated by
4 LED lights



B500NDA / SMART COMPRESSION



Operational data acquisition technology

Thanks to **SMARTOOL** technology, CEMBRE tools record operating data, work cycles and errors/malfunions on the internal memory. The memory can be read through the CEMBRE software.

Aligned dies - always

CEMBRE "Smart Release" technology stops the tool at the end of the cycle, allowing the piston to automatically retract once the activation button is released. By using the "Smart Release" option, the operator can then verify the correct contact of the dies before releasing the pressure.

Accurate compression

Thanks to the **Electronic Pressure Sensor (EPS)** the accuracy of compression is guaranteed. The operator can check the actual value of the pressure at any time and check for any usage errors.



Parameter display

Using the OLED display, the operator can view different parameters, including:

- Force developed
- Battery charge status
- General operating information
- Number of work cycles
- Number of cycles until maintenance



The battery: constantly monitored

The main battery parameters (temperature/voltage/current generated) are constantly monitored and kept under control.



Illuminated working area

The 4 high-brightness LEDs illuminate the working area and automatically turn off at the end of the cycle.



B500NDA / SAFE AND PRACTICAL



Comfort and convenience for the operator

The quality of compression is also related to operator comfort. CEMBRE ND tools have a mechanical center of gravity to optimize the overall ergonomics of the tool and provide more support for the operator's hand.

Twice as much safety for the user

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

No more unintentional start-ups

The ON button is protected to prevent accidental operation.

Sturdy and durable

The steel internal body provides greater strength and rigidity to the tool.



Dual speed hydraulic actuation

Thanks to the suction and delivery cartridge valve, the tool offers greater uniformity of use, providing controlled dual speed actuation. A rapid approach speed and a slower, more powerful compression speed.

Pressure release

Manual pressure release can be operated at any stage of compression.



No overheating

Constant air exchange helps cool heat-sensitive components.

B500NDA / 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

AAD, DSVA, CAAD-M, MTA-C



ALUMINUM TERMINALS AND JOINTS IN ACCORDANCE WITH DIN46329 AND DIN46267/2 AND BIMETAL TERMINALS IN ACCORDANCE WITH DIN46329

ALUMINUM

AA-M, CAA-M



ALUMINUM AND BIMETAL CONNECTORS

B500NDA / THE DIES



	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 - 250 MCM)	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	

B500NDA

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



Cod. 6260797



25V265U



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