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 500 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, checking 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.

B500nd is the professional tool ideal for OH lines and residential service applications.

- 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

https://www.cembre.com/family/details/5222
B500nd is the first of a new generation of handheld 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 500 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.

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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.

New multifunction OLED display with touch button
The OLED display provides essential real time operating data, including:

- crimping force generated, thus verifying compliance with best practice
- battery charge status
- general operating information
- the number of work cycles completed and remaining before recommended maintenance.
“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.
18V CORDLESS HYDRAULIC CRIMPING TOOL
B500ND

Technical characteristics

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
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<tr>
<td>Force developed</td>
<td>60 kN</td>
</tr>
<tr>
<td>Length</td>
<td>396 mm</td>
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<tr>
<td>Height</td>
<td>136 mm</td>
</tr>
<tr>
<td>Width</td>
<td>81 mm</td>
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<tr>
<td>Weight</td>
<td>3.15 kg</td>
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<tr>
<td>Battery material</td>
<td>Li-Ion</td>
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<tr>
<td>Battery voltage</td>
<td>18 V</td>
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<tr>
<td>Battery current</td>
<td>2 Ah</td>
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<tr>
<td>Max operating temperature range</td>
<td>50 °C</td>
</tr>
<tr>
<td>Min operating temperature range</td>
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18V CORDLESS HYDRAULIC CRIMPING TOOL
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List of products

<table>
<thead>
<tr>
<th>B500ND</th>
<th>Type</th>
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