



# Cembre



CEMBRE "BILINEAR"  
CORDLESS HYDRAULIC  
CRIMPING AND CUTTING TOOL

## B540*nd*



NEW GENERATION  
18.0 V - 2.0 Ah Li-Ion

B540*nd*

**B540<sup>nd</sup>** is the first of a new generation of hand-held cordless tools, characterised by a “**Bilinear**” mechanical structure.

Equipped with intelligent auto-return at the end of the operating 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.

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.

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**).

**B540<sup>nd</sup>** is the professional tool ideal for OH lines and residential service applications.

## NEW GENERATION OF CEMBRE “**BILINEAR**” CORDLESS CRIMPING TOOLS

### Operating features:

- Bilinear mechanical structure
- 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
- 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

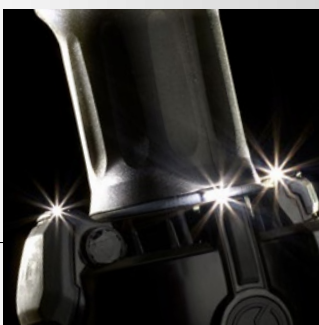
### Optimised battery life

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



# New "Bilinear" cordless hydraulic tool *nd* series



## 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.



## 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 jaws have fully 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.



# Technical innovation enhances ergonomic features



## "Bilinear" Structure

Operator comfort and convenience are key factors in producing repeatedly consistent high integrity crimped joints.

Cembre 'nd' bilinear tools have their mechanical centre of gravity nearest to the operator's wrist to optimise the overall ergonomics of the tool and provide a wider support for the hand.

Thus the innovative misalignment between the pump drive mechanism and the hydraulic system both reduce the torque generated on the operator's wrist and best distribute the stresses acting on the hand.



## Data recording and intelligent control allow complete verification of operational parameters

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

# Innovation first and foremost, it's in our DNA.

## B540nd jaws compatibility

The new Cembre bi-linear B540nd is compatible with the standard existing 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.



### CMB1 jaws

Cutting jaws for: one-time disposable lock hasps, 4AWG Alumoweld; ACSR 4/0



### CMB2 jaws

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



### CMB3 jaws

Cutting jaws for:  
- Guy Wire up to 3/8"

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**

New Cutting Jaws (product under development, cutting range may be different)



### 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 and tree wire



### CMB6N jaws

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

Battery platforms under development: Makita and Milwaukee

## NEW INTERCHANGEABLE CRIMPING JAWS

CAT. No	CRIMPING DIE COMPATIBILITY	
CDD6N	FCI Burndy	W, X Series
	Greenlee	KD6 Series
	IlSCO	ND Series
	Huskie	HT-58 Series
	Panduit	CD-2001 series
CDD6-6N	FCI Burndy	W, X Series
	Greenlee	KD6 Series
	IlSCO	ND Series
	Huskie	HT-58 Series
	Panduit	CD-2001 series
CDD6-8N	FCI Burndy	W, X Series
	Greenlee	KD6 Series
	IlSCO	ND Series
	Huskie	HT-58 Series
	Panduit	CD-2001 series

## INTERCHANGEABLE CRIMPING JAWS

CAT. No	CRIMPING DIE COMPATIBILITY	
CDD6 CDD6-8	FCI Burndy	W, X Series
	Greenlee	KD6 Series
	IlSCO	ND Series
	Huskie	HT-58 Series
	Panduit	CD-2001 series
CDK	FCI Burndy	W, X Series
	Greenlee	KD6 Series
	IlSCO	ND Series
	Huskie	HT-58 Series
	Panduit	CD-2001 series
	Kearney Blackburn	O Series 6 tons

## General features:

Type	Crimping force Tons	MAIN APPLICATIONS - max size AWG			Dimensions in. (with CDD6N)			Battery Li-Ion	Weight lbs. (with Battery and CDD6N)	STORAGE			
		Copper lugs and splices	Aluminum lugs and splices	Aluminum H taps	length	height	width			Type	Dimensions in.	Weight lbs.	Supplied with the tool
<b>B 540<sup>nd</sup></b>	6	300 MCM	4/0	4/0 - 4/0	19.48	5.7	3.46	18V - 2 Ah	7.5	<b>Canvas Bag 033</b>	29.1 x 8.5 x 7.9	4	✓

### Supplied with:

- **CB 1820L**, Li-Ion 18.0V 2.0 Ah Battery (2 pcs)
- **ASC 30-36 USA/CAN 27046000**, AC charger (115V). (INPUT 115V / 60 Hz; OUTPUT 12-42V DC / 3.0 A max.)
- USB cable
- Shoulder strap
- Canvas Bag



**New**

**2.0 Ah**



### Li-Ion 18.0V 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



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