

18V CORDLESS HYDRAULIC CRIMPING TOOL B500NDA

6 Ton

B500NDA 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.

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.



B500NDA 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
- > 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



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.



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.

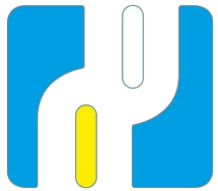
It's worth knowing that similiar tools with ‘standard’ automatic return do not permit this visual verification that full compression has taken place before releasing pressure.



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****“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 B500NDA

Technical characteristics

PROPERTIES

Force developed	60 kN
Length	15.59 in.
Height	5.35 in.
Width	3.19 in.
Weight	6.93 lbs.
Battery material	Li-Ion
Battery voltage	18 V
Battery current	2 Ah
Max operating temperature range	122 °F
Min operating temperature range	5 °F



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Products used together

Connectors

A-2M Contained palm

A24B-2M8-25/19 A24B-2M8-45/19

COLOR CODED COPPER CRIMPING LUGS CL

CL1/0-10	CL1/0-12	CL1/0-38
CL1/0-516	CL1-10	CL1-12
CL1-516	CL2/0-12	CL2/0-38
CL2-10	CL2-12	CL2-14
CL250-12	CL2-516	CL3/0-12
CL300-12	CL3-12	CL3-14
CL3-38	CL350-12	CL3-516
CL4/0-12	CL4/0-38	CL400-12
CL400-58	CL4-10	CL4-12
CL4-14	CL4-38	CL500-12
CL500-58	CL6-10	CL6-12
CL6-14	CL8-10	CL8-14
CL8-38		

COPPER TUBE CRIMPING LUGS A-2M

A10-2M10	A10-2M10-24-13	A10-2M12
A10-2M12-25	A10-2M6	A10-2M8
A10-2M8-20	A10-2M8-22	A10-2M8-24-24
A10-2M8-30	A14-2M10	A14-2M10-24
A14-2M12	A14-2M12-25	A14-2M12-30-29
A14-2M12-40	A14-2M14	A14-2M8
A14-2M8-24-24	A19-2M10	A19-2M10-24-13
A19-2M10-24-26	A19-2M10-40	A19-2M12
A19-2M12-25	A19-2M12-30-29	A19-2M14
A19-2M14-25	A19-2M16	A19-2M6
A19-2M8-24-24	A19-2M8-50-S	A2-2M4-12
A2-2M8-20	A24-2M10	A24-2M10-22
A24-2M10-25/24	A24-2M10-33.5	A24-2M12
A24-2M12-30-29	A24-2M12-40	A24-2M14
A24-2M16	A24-2M8-20	A24-2M8-24-29
A24L-2M10-30AS	A30-2M10	A30-2M10-24-28
A30-2M12	A30-2M12-30	A30-2M12-30-29
A30-2M12-40	A30-2M14	A30-2M14-33.5
A30-2M8-20	A3-2M12-40	A3-2M8-20
A37-2M10	A37-2M10-25	A37-2M12
A37-2M12-30-31	A37-2M12-32	A37-2M14
A37-2M14-35	A37-2M16	A37-2M16-40
A48-2M10	A48-2M10-20	A48-2M10-35
A48-2M12	A48-2M12-30-31	A48-2M12-35
A48-2M12-40	A48-2M14	A48-2M14-40
A48-2M16	A5-2M10-24-13	A5-2M8-20
A5-2M8-24-24	A60-2M10	A60-2M12
A60-2M12-30-38	A60-2M12-40	A60-2M14
A60-2M16	A60-2M16/36	A60-2M16-35
A60-2M16-40	A7-2M10	A7-2M10-25
A7-2M12	A7-2M12-25	A7-2M12-40

COPPER TUBE CRIMPING LUGS ACCORDING TO DIN 46235 DR

DR10-10	DR10-5	DR10-6
DR10-8	DR120-10	DR120-12
DR120-16	DR120-20	DR120-8
DR150-10	DR150-12	DR150-16
DR150-20	DR16-10	DR16-12
DR16-6	DR16-8	DR185-10
DR185-12	DR185-16	DR185-20
DR240-10	DR240-12	DR240-16
DR240-20	DR25-10	DR25-12
DR25-6	DR25-8	DR35-10
DR35-12	DR35-16	DR35-6
DR35-8	DR50-10	DR50-12
DR50-16	DR50-6	DR50-8
DR6-5	DR6-6	DR6-8
DR70-10	DR70-12	DR70-16
DR70-20	DR70-8	DR95-10
DR95-12	DR95-16	DR95-20
DR95-8		

COPPER TUBE CRIMPING LUGS A-M

A10-M10	A10-M12	A10-M14
A10-M16	A10-M6	A10-M8
A14-M10	A14-M12	A14-M14
A14-M16	A14-M6	A14-M8
A19-M10	A19-M12	A19-M14
A19-M16	A19-M20	A19-M6
A19-M8	A1-M10	A1-M3
A1-M3.5	A1-M4	A1-M5
A1-M6	A1-M8	A24-M10
A24-M12	A24-M14	A24-M16
A24-M20	A24-M8	A2-M10
A2-M12	A2-M4	A2-M5
A2-M6	A2-M8	A30-M10
A30-M12	A30-M14	A30-M16
A30-M20	A30-M8	A37-M10
A37-M12	A37-M14	A37-M16
A37-M20	A37-M8	A3-M10
A3-M12	A3-M4	A3-M5
A3-M6	A3-M8	A48-M10
A48-M12	A48-M14	A48-M16
A48-M20	A48-M8	A5-M10
A5-M12	A5-M4	A5-M5
A5-M6	A5-M8	A7-M10
A7-M12	A7-M5	A7-M6
A7-M8		

COPPER TUBE CRIMPING LUGS ANGLED 90° A-L

A10-L10	A10-L12	A10-L6
A10-L8	A14-L10	A14-L12
A14-L16	A14-L8	A19-L10
A19-L12	A19-L8	A1-L6
A24-L10	A24-L12	A2-L5
A2-L6	A2-L8	A30-L10
A30-L12	A37-L10	A37-L12
A3-L10	A3-L5	A3-L6
A3-L8	A48-L10	A48-L12
A5-L10	A5-L6	A5-L8
A7-L10	A7-L12	A7-L6
A7-L8		

**COPPER TUBE LUGS
4-ESI FIXING
A-4ESI**

A37-4ESI	A48-4ESI
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HEAVY DUTY COPPER TUBE TERMINALS 2A-M

2A10-M10	2A10-M12	2A10-M14
2A10-M16	2A14-M10	2A14-M12
2A14-M14	2A14-M16	2A19-M10
2A19-M12	2A19-M14	2A19-M16
2A19-M20	2A24-M10	2A24-M12
2A24-M14	2A24-M16	2A24-M20
2A30-M10	2A30-M14	2A30-M16
2A30-M20	2A37-M12	2A37-M14
2A37-M16	2A37-M20	2A3-M10
2A3-M8	2A48-M12	2A48-M14
2A48-M16	2A48-M20	2A5-M10
2A5-M12	2A5-M8	2A7-M10
2A7-M12	2A7-M8	

HIGH VOLTAGE STALK CONNECTORS MT-C

MT150R-C12	MT150R-C16	MT150S-C12
MT150S-C14-80	MT150S-C16	MT200R-C10
MT200R-C16	MT25-C8	MT40S-C10
MT40S-C14-80	MT40S-C8	MT50R-C10
MT50R-C8	MT50S-C10	MT50S-C14-80
MT50S-C8	MT70S-C10	MT95R-C10
MT95R-C12	MT95S-C10	MT95S-C12

HIGH VOLTAGE TERMINALS CA-2M

CA150-2M12	CA150R-2M14	CA150S-2M14
CA200R-2M14	CA40S-2M12	CA50R-2M12
CA50S-2M12	CA95R-2M14	CA95S-2M14

NYLON INSULATED COPPER TUBE LUGS ANE-M

ANE10-M10	ANE10-M12	ANE10-M6
ANE10-M8	ANE14-M10	ANE14-M12
ANE14-M14	ANE14-M6	ANE14-M8
ANE19-M10	ANE19-M12	ANE19-M14
ANE19-M16	ANE19-M8	ANE24-M10
ANE24-M12	ANE24-M14	ANE24-M16
ANE2-M10	ANE2-M12	ANE2-M4
ANE2-M5	ANE2-M6	ANE2-M8
ANE3-M10	ANE3-M12	ANE3-M4
ANE3-M5	ANE3-M6	ANE3-M8
ANE5-M10	ANE5-M12	ANE5-M4
ANE5-M5	ANE5-M6	ANE5-M8
ANE7-M10	ANE7-M12	ANE7-M6
ANE7-M8		

NYLON INSULATED FORK TERMINALS ANE-U

ANE2-U4	ANE2-U5	ANE3-U4
ANE3-U5		

RING TONGUE TERMINALS WITH CONTAINED PALM A-M Contained palm

A10B-M6/11.5	A14B-M6/11.5	A19B-M8/15.5
A19-M10/19	A24B-M10/19	A24B-M8/19
A2-M5/9	A30B-M10/19	A30B-M8/19
A37B-M10/24.5	A3-M5/9	A48-M10/31
A48-M12/31	A48-M16/31	A5-M5/9
A7B-M6/11.5		

UNINSULATED END SLEEVES KE

KE1012ST	KE1015ST	KE1016ST
KE120032ST	KE25015ST	KE25018ST
KE35012ST	KE35015ST	KE35018ST
KE50022ST	KE70025ST	KE95032ST

UNINSULATED PIN TERMINALS A-P

A10-P25	A14-P30	A2-P12
A3-P14	A5-P16	A7-P20

UNINSULATED ROUND PIN CONNECTORS A-PR

A3-P22R	A5-P22R	
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COLOR CODED COPPER CRIMPING LUGS C

C1/0-12	C1/0-14	C1/0-38
C1/0-516	C1/0-58	C1/0-916
C1-12	C1-14	C1-38
C1-516	C2/0-12	C2/0-14
C2/0-34	C2/0-38	C2/0-516
C2/0-58	C2/0-916	C2-10
C2-12	C2-14	C2-38
C250-12	C250-14	C250-34
C250-38	C250-516	C250-58
C250-78	C250-916	C2-516
C3/0-12	C3/0-14	C3/0-34
C3/0-38	C3/0-516	C3/0-58
C3/0-916	C300-12	C300-34
C300-38	C300-516	C300-58
C300-78	C300-916	C3-10
C3-12	C3-14	C3-38
C350-12	C350-34	C350-38
C350-58	C350-78	C350-916
C3-516	C3-8	C4/0-12
C4/0-14	C4/0-34	C4/0-38
C4/0-516	C4/0-58	C4/0-916
C400-12	C400-34	C400-38
C400-58	C400-78	C400-916
C4-10	C4-12	C4-14
C4-38	C4-516	C4-8
C500-12	C500-34	C500-38
C500-58	C500-78	C500-916
C6-10	C6-12	C6-14
C6-38	C6-516	C6-8
C8-10	C8-12	C8-14
C8-38	C8-516	C8-8

COLOR CODED COPPER CRIMPING LUGS CL-D

CL1/0-D14	CL1/0-D141	CL1/0-D38
CL1/0-DN	CL1-D14	CL1-D141
CL1-D38	CL1-DN	CL2/0-D14
CL2/0-D141	CL2/0-D38	CL2/0-DN
CL250-D38	CL250-DN	CL2-D14
CL2-D141	CL2-D38	CL2-DN
CL2-DN38	CL3/0-D141	CL3/0-D38
CL3/0-DN	CL300-D38	CL300-DN
CL350-D141	CL350-D38	CL350-DN
CL3-D38	CL3-DN	CL4/0-D141
CL4/0-D38	CL4/0-DN	CL4/0-DN38
CL400-D141	CL400-D38	CL400-DN
CL4-D14	CL4-D141	CL4-D38
CL4-DN	CL500-D141	CL500-D38
CL500-DN	CL6-D14	CL6-D141
CL6-D38	CL6-DN	CL8-D14
CL8-D141	CL8-D38	

COPPER TUBE CRIMPING LUGS A-2M Angled

A10-2M8-24-24/345°	A14-2M10-24-26/315°	A14-2M10-24-26/345°
A14-2M12-30-29/345°	A14-2M8-24-24/345°	A19-2M10-24-26/345°
A19-2M12-30-29/345°	A24-2M10-24-29/345°	A24-2M12-30-29/345°
A24-2M8-24-29/345°	A30-2M10-24-28/345°	A30-2M12-30-29/345°
A30-2M8-24-29/345°	A37-2M10-25/315°	A37-2M12-30-31/345°
A48-2M12/345°	A48-2M12-30/45°	A48-2M12-30-31/345°
A5-2M12-30-29/345°	A5-2M8-24-24/345°	A60-2M12-30-38/345°

COPPER TUBE CRIMPING LUGS ACCORDING TO NF C 20-130 T-M

T10-M10	T10-M5	T10-M6
T10-M8	T120-M10	T120-M12
T120-M14	T120-M16	T120-M8
T150-M10	T150-M12	T150-M14
T150-M16	T16-M10	T16-M5
T16-M6	T16-M8	T185-M10
T185-M12	T185-M14	T185-M16
T240-M10	T240-M12	T240-M14
T240-M16	T240-M20	T25-M10
T25-M12	T25-M6	T25-M8
T35-M10	T35-M12	T35-M6
T35-M8	T50-M10	T50-M12
T50-M6	T50-M8	T6-M4
T6-M5	T6-M6	T6-M8
T70-M10	T70-M12	T70-M8
T95-M10	T95-M12	T95-M14
T95-M16	T95-M8	

COPPER TUBE CRIMPING LUGS A-M Fine stranded

A12-M10	A12-M10/19	A12-M12
A12-M6/15	A12-M8	A17-M10
A17-M10/19	A17-M12	A17-M14
A17-M16	A17-M6	A17-M8
A20-M10	A20-M12	A20-M14
A20-M16	A20-M8	A29-M10
A29-M12	A29-M14	A29-M16
A29-M20	A29-M8	A35-M10
A35-M12	A35-M14	A35-M16
A35-M20	A40-M10	A40-M12
A40-M14	A40-M16	A40-M20
A9-M10	A9-M12	A9-M6/15
A9-M8		

COPPER TUBE CRIMPING LUGS ANGLED 90° T-L

T10-L5	T10-L6	T10-L8
T120-L10	T120-L12	T150-L10
T150-L12	T16-L6	T16-L8
T25-L6	T25-L8	T35-L10
T35-L6	T35-L8	T50-L10
T50-L8	T6-L6	T70-L10
T70-L12	T95-L10	T95-L12
T95-L8		

CRIMPING CONNECTORS ACCORDING TO DIN 46234 Q

Q10-10	Q10-12	Q10-4
Q10-5	Q10-6	Q10-8
Q16-10	Q16-12	Q16-5
Q16-6	Q16-8	Q25-10
Q25-12	Q25-16	Q25-5
Q25-6	Q25-8	Q35-10
Q35-12	Q35-16	Q35-6
Q35-8	Q50-10	Q50-12
Q50-16	Q50-6	Q50-8
Q70-10	Q70-12	Q70-16
Q70-6	Q70-8	

HIGH VOLTAGE COPPER TERMINALS CA-M

CA150R-M12	CA150R-M14	CA150S-M12
CA150S-M14	CA200R-M14	CA25-M10
CA25-M12	CA25-M8	CA40S-M12
CA40S-M16	CA50R-M12	CA50S-M12
CA50S-M16	CA95R-M12	CA95R-M14
CA95S-M12	CA95S-M14	CA95S-M16

HIGH VOLTAGE TERMINALS 2A-2M

2A10-2M12	2A14-2M12	2A14-2M14
2A19-2M12	2A19-2M14	2A24-2M12
2A24-2M14	2A24-2M16	2A30-2M12
2A30-2M14	2A37-2M12	2A37-2M14
2A37-2M16	2A48-2M12	2A48-2M14
2A48-2M16		

INSULATED END SLEEVES PK

PKC120027	PKC1612	PKC1618
PKC25016	PKC25022	PKC35016
PKC35025	PKC50020	PKC50025
PKC70022	PKC95025	PKD1612
PKD1618	PKD25016	PKD25018
PKD25022	PKD35016	PKD35025
PKD50020	PKD50025	PKE25016
PKE25022		

NYLON INSULATED COPPER TUBE LUGS ANE-M Fine stranded

ANE12-M10	ANE12-M10/19	ANE12-M12
ANE12-M6/15	ANE12-M8	ANE17-M10
ANE17-M10/19	ANE17-M12	ANE17-M14
ANE17-M16	ANE17-M6	ANE17-M8
ANE20-M10	ANE20-M12	ANE20-M14
ANE20-M16	ANE20-M8	ANE9-M10
ANE9-M12	ANE9-M6/15	ANE9-M8

NYLON INSULATED PIN TERMINALS ANE-P

ANE2-P12	ANE3-P14	ANE5-P16
ANE7-P20		

SLEEVE CONNECTORS C-C

C10-C10	C10-C10ST	C16-C16
C16-C16ST	C25-C10	C25-C10ST
C25-C25	C25-C25ST	C35-C16
C35-C16ST	C35-C35	C35-C35ST
C50-C25	C50-C25ST	C50-C50
C50-C50ST	C6-C6	C6-C6ST
C70-C25N	C70-C25N-ST	C70-C35
C70-C35ST	C70-C70	C70-C70ST

UNINSULATED FORK TERMINALS A-U

A2-U4	A2-U5	A3-U4
A3-U5		

UNINSULATED ROUND PIN CONNECTORS ANGLED 45° A-PR/45

A3-P22R/45	A5-P22R/45
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Through connectors

COLOR CODED SPLICES BSCL

BSCL1	BSCL1/0	BSCL2
BSCL2/0	BSCL250	BSCL3
BSCL3/0	BSCL300	BSCL350
BSCL4	BSCL4/0	BSCL400
BSCL500	BSCL6	BSCL8

HIGH VOLTAGE COPPER THROUGH CONNECTORS MT-GC

MT150R-GC	MT150S-GC	MT200R-GC
MT25-GC	MT40S-GC	MT50R-GC
MT50S-GC	MT70S-GC	MT95R-GC
MT95S-GC		

PARALLEL CONNECTORS L-P

L10-P	L14-P	L19-P
L1-P	L24-P	L2-P
L30-P	L37-P	L3-P
L48-P	L5-P	L7-P

CRIMPING THROUGH CONNECTORS ACCORDING TO DIN 46267 T.1 DSV

DSV10	DSV120	DSV150
DSV16	DSV185	DSV240
DSV25	DSV35	DSV50
DSV6	DSV70	DSV95

HIGH VOLTAGE COPPER THROUGH CONNECTORS MT-TD

MT150R-TD	MT150S-TD	MT200R-TD
MT25-TD	MT40S-TD	MT50R-TD
MT50S-TD	MT70S-TD	MT95R-TD
MT95S-TD		

THROUGH CONNECTORS L-M

L10-M	L14-M	L19-M
L24-M	L2-M	L30-M
L37-M	L3-M	L48-M
L5-M	L7-M	

Tools
CRIMPING FORCE GAUGES FOR HYDRAULIC TOOLS MPC7 - MPC7

In the same kit

Accessories

Shoulder strap 6000354 USB cable 6006309

Batteries CB - Li-Ion high power battery CB1820L