




















HYDRAULIC CRIMPING TOOLS AND CUTTERS

symbol description

hydraulic crimping tools and cutters

	Crimping force tons		Provided with a maximum pressure valve that allows to check the correct execution of the compressions or the limit switch control of the blades
	Double speed action: a rapid approach speed and a slower more powerful speed for crimping or cutting		Manual pressure release button
	Openable compression head, ideal for derivations from running conductors		Ergonomically designed with a sculptured body for operator comfort
	Openable cutting head, ideal for cutting running cables		Lightweight and balanced tool for greater control
	Tool with a large 42 mm jaw opening, for easier introduction/removal of large size compression terminations and joints		Dual-compound plastic handles. Greater safety and comfort in handling, thanks to the rubber inserts
	Blades manufactured from high strength special Steel, heat treated to ensure a long service life		Durable moulded body offering high resistance to wear and damage in all operating conditions
	Max cutting diameter		CE marking
	Max hole punching diameter		
	The head can rotate to enable the operator to work in the most comfortable position		
	Can be operated with one hand		

symbol description

hydraulic crimping tools and cutters



Hexagonal crimp



Radial crimp



Indent crimp



Deep indent crimp



"W" crimp



Oval crimp



Trapezium crimp



Circular crimp



Max operating pressure



Contains isolated oil



Hydraulic units provide protection against short circuit when accidentally cutting live L.V. / M.V. cables with nominal voltage up to 60 kV



HT45-E

HYDRAULIC CRIMPING TOOL

general features



MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
L.V. lugs and splices																					
"C" sleeve Connectors																					
H.V. lugs and splices																					

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244

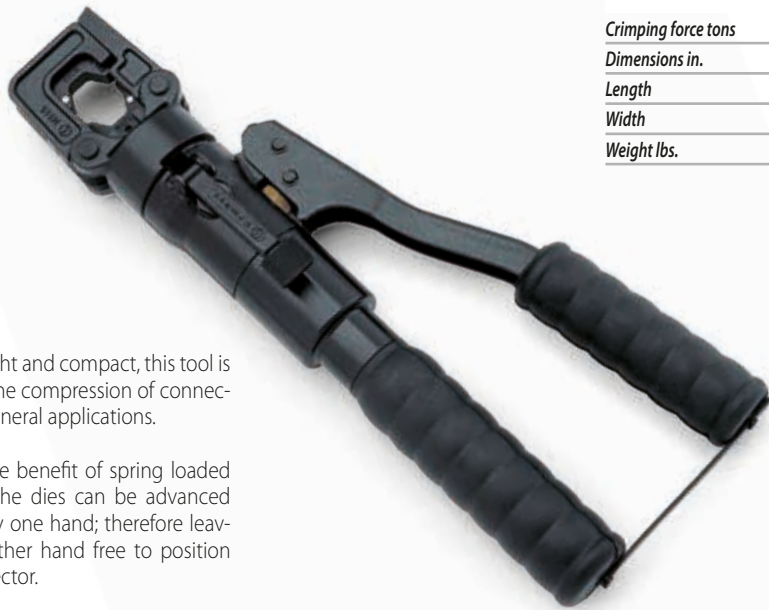
TECHNICAL FEATURES

Crimping force tons	6
Dimensions in.	
Length	13.6
Width	5.1
Weight lbs.	4.4

STORAGE

Type	VAL-P1*
Dimensions in. L x W x H	17.52 x 11.42 x 3.74
Weight lbs.	2.6
Supplied with the tool	✓
Purchase separately	-

*Suitable for storage of the tool and 20 sets of dies



Lightweight and compact, this tool is ideal for the compression of connectors for general applications.

Having the benefit of spring loaded handles, the dies can be advanced using only one hand; therefore leaving the other hand free to position the connector.

For ease of operation and comfort of the operator, the tool head can be fully rotated through 180 degrees.

The built-in safety valve will by-pass the oil supply when the maximum pressure is reached, and a pressure releasing system can easily be operated at any stage of the compression.



Openable head, ideal for derivations from running conductors

180° rotatable head, to work in the most comfortable position

Safety valve bypassing the oil supply when the maximum pressure is reached

Pressure releasing system, that can be operated at any stage

The operator can advance the dies using only one hand, leaving the other hand free to position the connector.

HYDRAULIC CRIMPING TOOL

HT51

general features

MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
L.V. lugs and splices																						
Insulated terminals																						
End sleeves																						
"C" sleeve Connectors																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244

STORAGE

Type	VAL-P1*
Dimensions in. L x W x H	17.52 x 11.42 x 3.74
Weight lbs.	2.6
Supplied with the tool	✓
Purchase separately	-

* Suitable for storage of the tool and 20 sets of dies

TECHNICAL FEATURES

Crimping force tons	6
Dimensions in.	
Length	15.0
Width	5.1
Weight lbs.	5.9



HT51-KV version also available for Power Supply Companies



Two stage hy-draulic tool, light-weight, compact and ideal for working in confined spaces.

HT51 develops a crimping force of 6 tons for installing electrical connectors on Copper cables up to 500 MCM.



Spring loaded handles allow the operator to advance the dies with one hand, leaving the other free to position the connector.

For ease of operation and comfort of the operator, the tool head rotates 180 degrees.

The built-in safety valve will by-pass the oil supply when the maximum pressure is reached, and a pressure releasing system can easily be operated at any stage of the compression.



RH50

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
L.V. lugs and splices																						
Insulated terminals																						
End sleeves																						
"C" sleeve Connectors																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244



Hydraulic presshead complete with a 3/8" NPT male automatic coupler to be connected to a hydraulic pump developing a maximum pressure of 10,000 psi, (see pages 202-208). The RH50 head uses the same dies as the HT51.

TECHNICAL FEATURES

Crimping force tons	6
Max operating pressure psi	10,000
Dimensions in.	
Length	7.7
Width	3.0
Weight lbs.	3.5

STORAGE

Type	VAL-P1*
Dimensions in. L x W x H	17.52 x 11.42 x 3.74
Weight lbs.	2.6
Supplied with the tool	✓
Purchase separately	-

* Suitable for storage of the head and 20 sets of dies



STORAGE

Type	CVB-007
Dimensions in. L x W	13.78 x 4.13
Weight lbs.	0.3
Supplied with the tool	-
Purchase separately	✓



HYDRAULIC PRESSHEAD

RHM50

general features

MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
L.V. lugs and splices																						
Insulated terminals																						
End sleeves																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244



Particularly suitable for high volume bench crimping.

TECHNICAL FEATURES

Crimping force tons	6
Max operating pressure psi	10,000
Dimensions in.	
Length	8.3
Width	2.8
Weight lbs.	3.5

STORAGE

Type	VAL-P1*
Dimensions in. L x W x H	17.52 x 11.42 x 3.74
Weight lbs.	2.6
Supplied with the tool	✓
Purchase separately	-

* Suitable for storage of the head and 20 sets of dies



STORAGE

Type	CVB-007
Dimensions in. L x W	13.78 x 4.13
Weight lbs.	0.3
Supplied with the tool	-
Purchase separately	✓

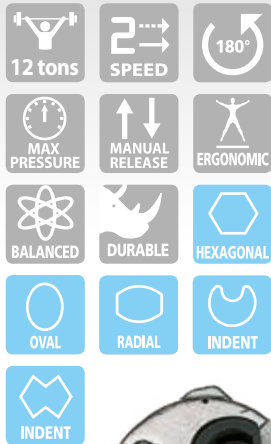


Hydraulic presshead complete with a 3/8" NPT male automatic coupler to be connected to a hydraulic pump developing a maximum pressure of 10,000 psi, (see pages 202-208). The RHM50 head uses the same dies as the HT51.

HT120

HYDRAULIC CRIMPING TOOL

general features



MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Copper lugs																						
Copper splices																						
"C" sleeve Connectors																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244

TECHNICAL FEATURES

Crimping force tons	12
Dimensions in.	
Length	19.2
Width	5.4
Jaw opening	1.0
Weight lbs.	12.6

STORAGE

Type	VAL-P3*
Dimensions in. L x W x H	24.41 x 14.96 x 5.31
Weight lbs.	5.5
Supplied with the tool	✓
Purchase separately	-

*Suitable for storage of the tool and 14 sets of dies



This lightweight and self contained tool will accept the semi-circular slotted dies, common to most 12 tons tools (U dies).

It is particularly suitable for installing crimp type electrical connectors for overhead line applications.

The tool features a double speed action: a fast advancing speed for rapid approach of the dies to the connector and a slower more powerful speed for crimping.

For ease of operation and comfort of the operator the tool head can be fully rotated through 180 degrees.

The built-in safety valve will by-pass the oil supply when the maximum pressure is reached, and a pressure release system can easily be operated at any stage of the compression.



HT 120-KV
version also available for
Power Supply Companies

HT 120 features a double speed action: a fast advancing speed for rapid approach of the dies to the connector and a slower more powerful speed for crimping.



Die release system, protected from accidental operation



Pressure release trigger, which can be operated at any stage of the compression.



HYDRAULIC CRIMPING TOOL

HT131-C

general features

MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Copper lugs																						
Copper splices																						
"C" sleeve Connectors																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244

- 12 tons
- SPEED
- 180°
- MAX PRESSURE
- MANUAL RELEASE
- ERGONOMIC
- BALANCED
- DURABLE
- HEXAGONAL
- OVAL
- RADIAL
- INDENT
- INDENT

STORAGE

Type	VAL-P3*
Dimensions in. L x W x H	24.41 x 14.96 x 5.31
Weight lbs.	5.5
Supplied with the tool	✓
Purchase separately	-

*Suitable for storage of the tool and 14 sets of dies



TECHNICAL FEATURES

Crimping force tons	12
Dimensions in.	
Length	18.6
Width	5.7
Jaw opening	1.0
Weight lbs.	12.1

This self contained, robust and sturdy tool, will accept all semi-circular slotted dies, common to most 12 tons tools (U dies).

The tool features a double speed action: a fast advancing speed for rapid approach of the dies to the connector and a slower more powerful speed for crimping.

For ease of operation and comfort of the operator the tool head can be fully rotated through 180 degrees.

The built-in safety valve will by-pass the oil supply when the maximum pressure is reached, and the pressure release system can easily be operated at any stage of compression.



RHC131



Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, (see pages 202-208). This new design with improved mechanical features, is suitable for installing the same range of connectors as HT131-C.

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section AWG

Section AWG	22÷16	16÷14	12÷10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Copper lugs																						
Copper splices																						
"C" sleeve Connectors																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244

TECHNICAL FEATURES

Crimping force tons	12
Max operating pressure psi	10,000
Dimensions in.	
Length	9.13
Width	4.88
Jaw opening	1.0
Weight lbs.	8.4

STORAGE

Type	VAL-P26*
Dimensions in. L x W x H	17.52 x 11.42 x 4.53
Weight lbs.	2.6
Supplied with the tool	-
Purchase separately	✓

*Suitable for storage of the head and 14 sets of dies



RHC131-KV version also available for electrical utilities



RHM132



Particularly suitable for high volume bench crimping.

Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, (see pages 202-208).

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section AWG

Section AWG	22÷16	16÷14	12÷10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Copper lugs																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244

TECHNICAL FEATURES

Crimping force tons	12
Max operating pressure psi	10,000
Dimensions in.	
Length	8.50
Width	3.15
Weight lbs.	6.8

STORAGE

Type	VAL-P26*
Dimensions in. L x W x H	17.52 x 11.42 x 4.53
Weight lbs.	2.6
Supplied with the tool	-
Purchase separately	✓

*Suitable for storage of the head and 14 sets of dies



HYDRAULIC CRIMPING TOOL

general features

MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	750 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Copper lugs and splices																							
Aluminum lugs and splices																							
"C" sleeve Connectors																							

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244

STORAGE

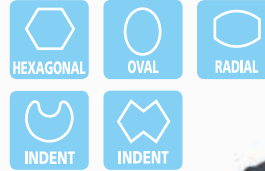
Type	VAL-P3*
Dimensions in. L x W x H	24.41 x 14.96 x 5.31
Weight lbs.	5.5
Supplied with the tool	✓
Purchase separately	-

*Suitable for storage of the tool and 14 sets of dies



TECHNICAL FEATURES

Crimping force tons	12
Dimensions in.	
Length	21.1
Width	5.7
Jaw opening	1.7
Weight lbs.	15.4



Hydraulic "C" head tool with a large 1.65 in. jaw opening, for easier introduction/removal of large size compression terminations and joints. The HT131LN-C will accept all semi-circular slotted dies, common to most 12 tons tools (U dies).



The tool features a double speed action: a fast advancing speed for rapid approach of the dies to the connector and a slower more powerful speed for crimping.

For ease of operation and comfort of the operator the tool head can be fully rotated through 180 degrees. The built-in safety valve will by-pass the oil supply when the maximum pressure is reached, and the pressure release system can easily be operated at any stage of compression.

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	750 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Copper lugs and splices																							
Aluminum lugs and splices																							
"C" sleeve Connectors																							

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244

STORAGE

Type	VAL-P26*
Dimensions in. L x W x H	17.52 x 11.42 x 4.53
Weight lbs.	2.6
Supplied with the tool	-
Purchase separately	✓

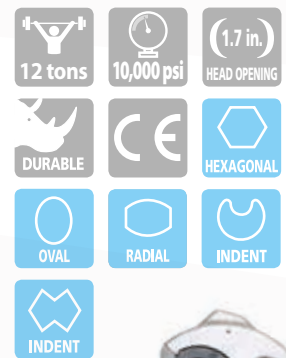
*Suitable for storage of the head and 14 sets of dies



TECHNICAL FEATURES

Crimping force tons	12
Max operating pressure psi	10,000
Dimensions in.	
Length	11.7
Width	4.8
Jaw opening	1.7
Weight lbs.	11.9

Hydraulic head featuring a large 1.65 in. jaw opening; complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, (see pages 202-208). Is suitable for installing the same range of connectors as HT131LN-C.



HT131-UC

HYDRAULIC CRIMPING TOOL

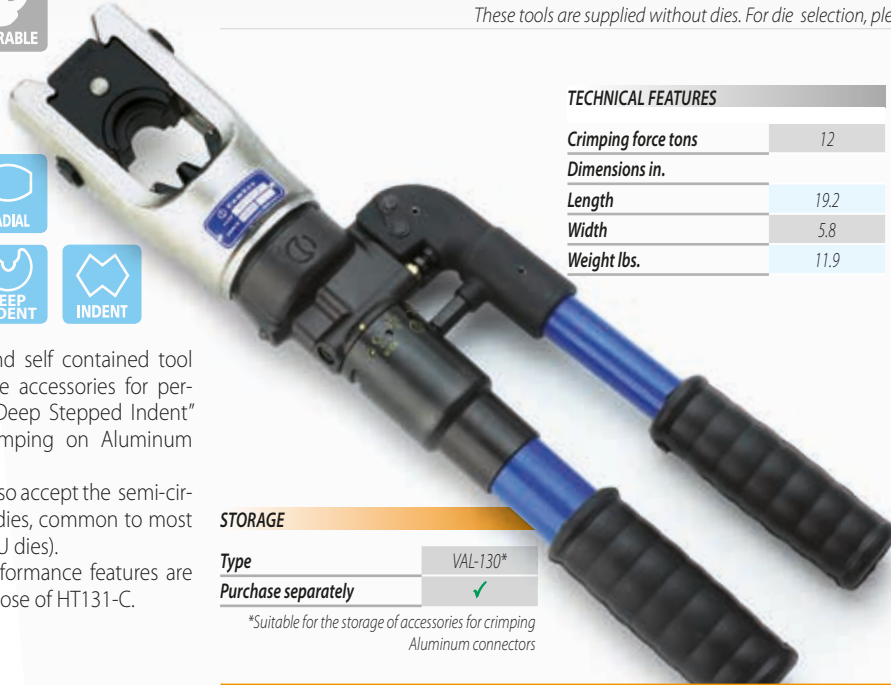
general features



MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Copper lugs and splices																						
Aluminum lugs and splices																						
"C" sleeve Connectors																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244



TECHNICAL FEATURES

Crimping force tons	12
Dimensions in.	
Length	19.2
Width	5.8
Weight lbs.	11.9

STORAGE

Type	VAL-P3*
Dimensions in. L x W x H	24.41 x 14.96 x 5.31
Weight lbs.	5.5
Supplied with the tool	✓
Purchase separately	-

*Suitable for storage of the tool and 14 sets of dies



STORAGE

Type	VAL-130*
Purchase separately	✓

*Suitable for the storage of accessories for crimping Aluminum connectors

This robust and self contained tool will accept the accessories for performing the "Deep Stepped Indent" system of crimping on Aluminum cables.

This tool will also accept the semi-circular slotted dies, common to most 12 tons tools (U dies).

HT131-UC performance features are the same as those of HT131-C.

RHU131-C

HYDRAULIC PRESSHEAD

general features



MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Copper lugs and splices																						
Aluminum lugs and splices																						
"C" sleeve Connectors																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244



TECHNICAL FEATURES

Crimping force tons	12
Max operating pressure psi	10,000
Dimensions in.	
Length	9.6
Width	3.5
Weight lbs.	8.1

STORAGE

Type	VAL-P26*
Dimensions in. L x W x H	17.52 x 11.42 x 4.53
Weight lbs.	2.6
Purchase separately	✓

*Suitable for storage of the head and 14 sets of dies

STORAGE

Type	VAL-130*
Dimensions in. L x W x H	14.17 x 11 x 1.89
Weight lbs.	6.6
Purchase separately	✓

*Suitable for the storage of accessories for crimping Aluminum connectors

STORAGE

Type	VAL-130-U*
Dimensions in. L x W x H	17.72 x 12 x 3.15
Weight lbs.	11.0
Purchase separately	✓

*Suitable for storage of the head, semi-circular slotted dies and dies for crimping Aluminum connectors

Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, (see pages 202-208).

RHU131-C is suitable for installing the same range of connectors as HT131-UC.



VAL-130



VAL-130-U



VAL-P26

HYDRAULIC PRESSHEAD

ECW-H3D

general features

MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
L.V. lugs and splices																						
Insulated terminals																						
"C" sleeve Connectors																						
H.V. lugs and splices																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244



STORAGE

Type	VAL-ECW-H3D*
Dimensions in. L x W x H	13.6 x 12 x 3.5
Weight lbs.	9.2
Supplied with the tool	-
Purchase separately	✓

* Suitable for storage of the head and 10 sets of dies



TECHNICAL FEATURES

Crimping force tons	25
Max operating pressure psi	10,000
Dimensions in.	
Length	12.4
Width	4.7
Weight lbs.	12.1



Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, (see pages 202-208)

Adaptor type AU230-130D is available as an optional extra enabling the head to utilise the semi-circular slotted dies which are common to most 12 tons tools (U dies).

Also available is a series of dies for the compression of DIN electrical connectors, and a die for cutting Copper, Aluminum, Aldrey, Aluminum-Steel and Steel conductors.

ECW-H3D ACCESSORIES FOR CUTTING CONDUCTORS

Die Type	Cutting Capacity	Conductor Type
	Ø 0.79 in.	Cu, Alu, Aldrey and Alu-Steel
	Ø 0.79 in.	Extra flexible Steel with ≥ 200 strands

WT2-3D

This die is suitable to cut Steel conductors (R ≤ 232,000 lbs./sq.in.) having the most common strandings, i.e.:

19 x 0.047 = Ø est. 0.236 in. 7 x 0.118 = Ø est. 0.354 in.

19 x 0.083 = Ø est. 0.413 in. 19 x 0.091 = Ø est. 0.453 in.

RHU450

HYDRAULIC PRESSHEAD

general features



MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Cu																						
Al																						

These tools are supplied without dies.



TECHNICAL FEATURES

Crimping force tons	50
Max operating pressure psi	10,000
Dimensions in.	
Length	10.2
Width	4.7
Weight lbs.	22.7

STORAGE

Type	VAL-450*
Dimensions in. L x W x H	11.2 x 8.3 x 4.9
Weight lbs.	6.2
Supplied with the tool	✓
Purchase separately	-

*Suitable for storage of the head



Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see pages 202-208).

Adaptor type AU450-130D is available as an optional extra enabling the head to utilise the semi-circular slotted dies which are common to most 12 tons tools (U dies).

HYDRAULIC PRESSHEAD

RHU520

general features

MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
L.V. Lugs and splices																						
H.V. overhead lines																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244



STORAGE

Type	VAL-520*
Dimensions in. L x W x H	15.1 x 9.1 x 5.7
Weight lbs.	7.0
Supplied with the tool	-
Purchase separately	✓

*Suitable for storage of the head

STORAGE

Type	VAL-MAT 520*
Dimensions in. L x W x H	19.7 x 12.2 x 2.68
Weight lbs.	11.2
Supplied with the tool	-
Purchase separately	✓

*Suitable for storage of 10 sets of dies

TECHNICAL FEATURES

Crimping force tons	50
Max operating pressure psi	10,000
Dimensions in.	
Length	12.0
Width	7.9
Weight lbs.	39.6



VAL-520



VAL-MAT 520

RHU520 DIES

Cembre Dies	Index
M10SH-520	10 SH
M14SH-520	14 SH
M16SH-520	16 SH
M30AH-520	30 AH
M38AH-520	38 AH



Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, (see pages 202-208).

Adaptor type AU520-130C is available as an optional extra enabling the head to utilise the semi-circular slotted dies which are common to most 12 tons tools (U dies).

HT-TC051

HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum and Telecommunications cable having Ø max 2 in.



Hand operated hydraulic tool specifically designed to cut Copper, Aluminum and telecommunications cables having a max overall diameter up to 2 inches. The tool features a double speed action. The blades are manufactured from high strength special Steel, heat treated to ensure a long service life.

TECHNICAL FEATURES

Max cutting Ø in.	up to 2
Dimensions in.	
Length	19.5
Width	5.1
Weight lbs.	9.6

STORAGE

Type	CVB-010
Dimensions in. L x W	21.4 x 6.3
Weight lbs.	0.3
Supplied with the tool	✓
Purchase separately	-



Not suitable for cutting
Steel reinforced conductors



The head can be easily opened to allow the cutting of running cables. The head can rotate by 90 degrees, to enable the operator to work in the most comfortable position. HT-TC051 features an automatic safety valve to bypass oil when reaching maximum pressure; a pressure release device can also be operated at any stage of operation.

TC050

HYDRAULIC CUTTING HEAD

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum and Telecommunications cable having Ø max 2 in.



Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, (see pages 202-208). TC050 features the same cutting capability as HT-TC051.

TECHNICAL FEATURES

Max cutting Ø in.	up to 2
Max operating pressure psi	10,000
Dimensions in.	
Length	12.8
Width	4.4
Weight lbs.	7.0

STORAGE

Type	CVB-011
Dimensions in. L x W	14.2 x 5.4
Weight lbs.	0.3
Supplied with the tool	✓
Purchase separately	-



Not suitable for cutting
Steel reinforced conductors



HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum and Telecommunications cable having Ø max 2-9/16 in.

STORAGE

Type	CVB-010
Dimensions in. L x W	21.4 x 6.3
Weight lbs.	0.3
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

Max cutting Ø in.	up to 2-9/16
Dimensions in.	
Length	20.6
Width	5.1
Weight lbs.	11.0



Not suitable for cutting
Steel reinforced conductors



Hand operated hydraulic tool specifically designed to cut Copper, Aluminum and telecommunications cables having a max overall diameter up to 2-9/16" inches. The tool features a double speed action.

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. The head can be easily opened to allow the cutting of running cables.



The head can rotate by 320 degrees, to enable the operator to work in the most comfortable position. HT-TC065 features an automatic safety valve to bypass oil when reaching maximum pressure; a pressure release device can also be operated at any stage of operation.

HYDRAULIC CUTTING HEAD

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum and Telecommunications cable having Ø 2-9/16 in.

STORAGE

Type	VAL-TC065-SC*
Dimensions in. L x W x H	18 x 9.1 x 4.8
Weight lbs.	7.9
Supplied with the tool	✓
Purchase separately	-

*Suitable for storage of the head

TECHNICAL FEATURES

Max cutting Ø in.	up to 2-9/16
Max operating pressure psi	10,000
Dimensions in.	
Length	16.8
Width	7.3
Weight lbs.	13.8

Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, (see pages 202-208). TC065-SC features the same cutting capability as HT-TC065.



The open head and the "scissor" movement of the blades facilitate the cutting of running cables.

Not suitable for cutting
Steel reinforced conductors

HT-TC0851

HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum and Telecommunications cable having Ø max 3-3/8 in.



Hand operated hydraulic tool specifically designed to cut Copper, Aluminum and telecommunications cables having a max overall diameter up to 3-3/8 in.

This model is self contained, robust and sturdy.

The tool features a double speed action: a fast advancing speed for rapid approach of the blades to the cable and a slower more powerful speed for cutting.

TECHNICAL FEATURES

Max cutting Ø in.	up to 3-3/8
Dimensions in.	
Length	25.7
Width	5.6
Weight lbs.	14.5

STORAGE

Type	VAL-P7
Dimensions in. L x W x H	28.6 x 8 x 4.5
Weight lbs.	2.9
Supplied with the tool	✓
Purchase separately	-

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. The head can easily be opened to allow the cutting of running cables, and can rotate by 180 degrees, to enable the operator to work in the most comfortable position.

HT-TC0851 features an automatic safety valve to bypass oil when reaching maximum pressure; a pressure release device can also be operated at any stage of operation.



Not suitable for cutting
Steel reinforced conductors

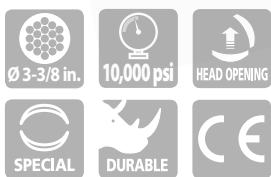
TC085

HYDRAULIC CUTTING HEAD

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum and Telecommunications cable having Ø max 3-3/8 in.



Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, (see pages 202-208). TC085 features the same cutting capability as HT-TC0851.

TECHNICAL FEATURES

Max cutting Ø in.	up to 3-3/8
Max operating pressure psi	10,000
Dimensions in.	
Length	16.1
Width	5.3
Weight lbs.	10.8

STORAGE

Type	VAL-TC085
Dimensions in. L x W x H	18.3 x 6.1 x 2.6
Weight lbs.	5.3
Supplied with the tool	✓
Purchase separately	-



Not suitable for cutting
Steel reinforced conductors

HYDRAULIC CUTTING HEAD

TC096

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper and Aluminum cable having Ø max 3-3/4 in.



STORAGE

Type	VAL-096
Dimensions in. L x W x H	17.7 x 10.4 x 5.7
Weight lbs.	15.0
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

Max cutting Ø in.	up to 3-3/4
Max operating pressure psi	10,000
Dimensions in.	
Length	15.6
Width	9.8
Weight lbs.	17.4



Handle designed for ease of operation

*Not suitable for cutting
Steel reinforced conductors*



TC096 is a hydraulic cutting head specifically designed for cutting Copper and Aluminum cables having overall diameter up to 3-3/4".

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life, and the shape of the blades provides a "clean" cutting of the cable.

This head is fitted with a male automatic coupler to be connected to a hydraulic pump developing a maximum pressure of 10,000 psi (see pages 202-208).

TC120

HYDRAULIC CUTTING HEAD

industrial application



MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum and Telecommunications cable having Ø max 4-3/4 in.



TECHNICAL FEATURES

Max cutting Ø in.	up to 4-3/4
Max operating pressure psi	10,000
Dimensions in.	
Length	21.1
Width	6.9
Weight lbs.	20.1

STORAGE

Type	VAL-TC120
Dimensions in. L x W x H	23.2 x 8.2 x 3.3
Weight lbs.	20.1
Supplied with the tool	✓
Purchase separately	-



TC120 is a hydraulic cutting head specifically designed for cutting Copper, Aluminum and telephone cables having overall diameter up to 4-3/4". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. The shape of the blades provides a "clean" cut and the head can be easily opened to allow cutting of running cables.

This head is fitted with a male automatic coupler to be connected to a hydraulic pump developing a maximum pressure of 10,000 psi (see pages 202-208).



Handle designed for ease of operation



Opening head, to allow cutting of running cables

Not suitable for cutting
Steel reinforced conductors

TC 120 cutting capacity - a few examples:

	Section	Conductor Type
	3x300 MCM	Steel armoured Ø 3.2 in.
	2000 MCM	Cu - EPR rubber insulated; Ø 3.35 in.
Cable Type	2000 MCM	Cu - EPR rubber insulated + lead sheath; Ø 3.62 in.
	2000 MCM	Cu - EPR rubber insulated + lead sheath + PE sheath; Ø 3.94 in.
	350-400 MCM	EPR rubber insulated

HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, Aldrey, Aluminum, Aluminum-Steel cables, Steel ropes having a max overall diameter of 1", guy wire up to 7/8" and Steel ground rod up to 5/8"

STORAGE

Type	CVB-001
Dimensions in. L x W	16.9 x 6.1
Weight lbs.	0.33
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

Max cutting Ø in.	up to 1
Dimensions in.	
Length	15.5
Width	5.1
Weight lbs.	7.4



CUTTING CAPACITY

	MATERIAL	TENSILE STRENGTH (lbs./sq.in.)	MAX CUTTING DIAMETER (in.)	
			HT-TC026Y	TC 025
ROPE & CONDUCTORS	Copper	≤ 59,450	1	
	Aluminum	≤ 29,000	1	
	Almelec	≤ 49,300	1	
	Steel	≤ 261,000	INDICATIVE EXAMPLES: 7 x 0.118 = Ø out. 0.354 19 x 0.083 = Ø out. 0.413 19 x 0.091 = Ø out. 0.453	
	MULTI STRANDS Steel (STRANDS Qty ≥ 200)	≤ 261,000	0.709	
	ACSR	≤ 261,000	1 INDICATIVE EXAMPLES: 26 x 0.098 + 7 x 0.077 : Ø out. = 0.624 26 x 0.120 + 7 x 0.094 : Ø out. = 0.763 26 x 0.142 + 7 x 0.110 : Ø out. = 0.897	
RODS	Steel	≤ 87,000	0.511	
		≤ 60,900	0.629	
	Copper	≤ 43,000	0.787	
		≤ 36,250	0.905	
	Aluminum	≤ 23,200	1	

Hand operated hydraulic tool specifically designed to cut Copper, Aldrey, Aluminum, Aluminum-Steel cables, Steel ropes having a max overall diameter of 1", guy wire up to 7/8" and Steel ground rod up to 5/8".

The tool features a double speed action.

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life.



The head can rotate by 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow the cutting of running cables.

HT-TC026Y features an automatic safety valve to bypass oil when reaching maximum pressure; a pressure release device can also be operated at any stage of operation.

Ideal for EHS guy wire up to 7/8" and ground rod up to 5/8"

HYDRAULIC CUTTING HEAD

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, Aldrey, Aluminum and Aluminum-Steel cables having a max overall diameter of 1 in.

STORAGE

Type	CVB-007
Dimensions in. L x W	13.78 x 4.13
Weight lbs.	0.29
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

Max cutting Ø in.	up to 1
Max operating pressure psi	10,000
Dimensions in.	
Length	8.4
Width	3.4
Weight lbs.	4.4



TC025 hydraulic cutting head is specifically designed to cut Copper, Aldrey, Aluminum and Aluminum-Steel cables having a max overall diameter of 1".

This head is fitted with a male automatic coupler to be connected to a hydraulic pump developing a maximum pressure of 10,000 psi (see pages 202-208)



HT-TC041N

HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, Aldrey, Aluminum, Aluminum-Steel cables and Steel ropes, Aluminum and Steel rods having Ø max 1.75 in.



This model is self contained, robust and sturdy. The tool features a double speed action.

The blades are manufactured from high strength special steel, heat treated to ensure a long service life. The head can rotate by 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

TECHNICAL FEATURES

Max cutting Ø in.	up to 1-3/4
Dimensions in.	
Length	21.6
Width	5.6
Weight lbs.	12.8

STORAGE

Type	VAL-P7
Dimensions in. L x W x H	28.6 x 8 x 4.5
Weight lbs.	2.9
Supplied with the tool	✓
Purchase separately	-

HT-TC041N features an automatic safety valve to bypass oil when reaching maximum pressure; a pres-

sure release device can also be operated at any stage of operation.

Ideal for EHS guy wire

CUTTING CAPACITY

MATERIAL	TENSILE STRENGTH (lbs./sq.in.)	MAX CUTTING DIAMETER (in.)
		HT-TC041N TC04N
Copper	≤ 59,450	1-3/4"
Aluminum	≤ 29,000	1-3/4"
Almelec	≤ 49,300	1-3/4"
Steel	≤ 261,000	INDICATIVE EXAMPLES: 7 x 0.118 = Ø out. 0.354 19 x 0.083 = Ø out. 0.413 19 x 0.091 = Ø out. 0.453
		MULTI STRANDS Steel (STRANDS Qty ≥ 200)
ACSR	≤ 261,000	1-3/4" INDICATIVE EXAMPLES: 26 x 0.098 + 7 x 0.077 : Ø out. = 0.624 26 x 0.120 + 7 x 0.094 : Ø out. = 0.763 26 x 0.142 + 7 x 0.110 : Ø out. = 0.897 54 x 0.138 + 19 x 0.082 : Ø out. = 1.240 54 x 0.172 + 19 x 0.103 : Ø out. = 1.543
		RODS
Steel	≤ 87,000	0.709
	≤ 60,900	0.787
Copper	≤ 43,000	1.181
	≤ 36,250	1.260
Aluminum	≤ 23,200	1-3/4"

Hand operated hydraulic tool specifically designed to cut Copper, Aldrey, Aluminum, Aluminum-Steel cables and Steel ropes, Aluminum and Steel rods having a max overall diameter of 1.75 in.



TC04N

HYDRAULIC CUTTING HEAD

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, Aldrey, Aluminum, Aluminum-Steel cables and Steel ropes, Aluminum and Steel rods having Ø max 1.75 in.



Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, (see pages 202-208)

TC04N has the same cutting capability as HT-TC041N.

TECHNICAL FEATURES

Max cutting Ø in.	up to 1-3/4
Max operating pressure psi	10,000
Dimensions in.	
Length	12.2
Width	3.9
Weight lbs.	8.8

STORAGE

Type	VAL-04
Dimensions in. L x W x H	13.8 x 4.9 x 2.7
Weight lbs.	4.4
Supplied with the tool	✓
Purchase separately	-

Ideal for EHS guy wire



HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum, Aluminum-Steel cables (ACSR) having Ø max 2 in.

STORAGE

Type	CVB-010
Dimensions in. L x W	21.4 x 6.3
Weight lbs.	0.33
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

Max cutting Ø in.	up to 2
Dimensions in.	
Length	23.7
Width	5.1
Weight lbs.	10.3



For ACSR only,
not suitable for cutting guy wire and ground rod.

Hand operated hydraulic tool specifically designed to cut copper, aluminum, aluminum-steel cables (ACSR) having a max overall diameter of 2". The HT-TC051Y is provided with a two stage hydraulic system, which advances the blades quickly to the cable. This proven system saves operator time and effort. The HT-TC051Y is provided with an



automatic safety valve to bypass oil when reaching max pressure. This means safety to the operator and protection to the blades. The blades are manufactured from high strength special steel, heat treated to ensure a long service life. The shape of the blades provides a "clean" cut. The head can be opened to allow cutting of running cables and ropes. The head rotates 90 degrees allowing the operator to perform the cut in the most comfortable position. The tool is supplied complete with CVB-010 for protection and storage when not in use.

HYDRAULIC CUTTING HEAD

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum, Aluminum-Steel cables (ACSR) having Ø max 2 in.

STORAGE

Type	CVB-011
Dimensions in. L x W x H	14.2 x 5.4
Weight lbs.	0.3
Supplied with the tool	✓
Purchase separately	-

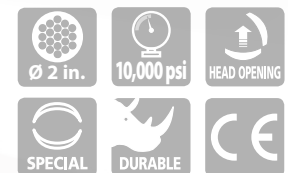
TECHNICAL FEATURES

Max cutting Ø in.	up to 2
Max operating pressure psi	10,000
Dimensions in.	
Length	13.0
Width	4.4
Weight lbs.	7.3



For ACSR only,
not suitable for cutting guy wire and ground rod.

Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max, (see pages 202-208)



TC050Y features the same cutting capability as HT-TC051Y.

RH-FC48N

FRAME-TYPE HOLE PUNCHING HEAD

general features



MAIN APPLICATIONS

designed for punching holes from 0.61 up to Ø 1.858 in.

TECHNICAL FEATURES

Max piercing Ø in.	1.858
Max centre of hole to edge of trunking in.	2.11
Max operating pressure psi	10,000
Dimensions in.	
Length	10.2
Width	5.8
Weight lbs.	8.16

STORAGE

Type	VAL-P30
Dimensions in. L x W x H	12.4 x 11.8 x 3.7
Weight lbs.	2.0
Supplied with the tool	✓
Purchase separately	-



Hydraulic piercing head complete with automatic quick coupler, designed for punching holes from 0.61 up to 1.858 in. diameter in the side wall of trunking without the need for pre drilling.

For operation the head must be joined to a hydraulic pump developing a pressure of 10,000 psi (see pages 202-208).

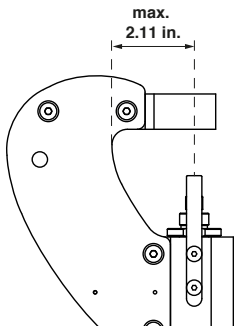


Table denotes the punch/die set reference, for each hole size.

Suitable for punching holes in mild Steel, fibreglass or plastic material, up to 0.08 in. thick.

Hole Dimensions				Maximum thickness of mild Steel (in.)	Type	
Nominal						
Ø (mm)	Ø (inch)	Pg	ISO			
15,5	.610	Pg9	-	0.08	RD15.5SS-FC	
16,2	.638	-	ISO-16		RD16.2SS-FC	
17,5	.689	-	-		RD17.5SS-FC	
18,8	.740	Pg11	-		RD18.8SS-FC	
19,1	.752	-	-		RD19.1SS	
20,5	.807	Pg 13,5	ISO-20		RD20.5SS	
22,6	.890	Pg16	-		RD22.6SS	
23,8	.937	-	-		5/8"	RD23.8SS
25,4	1.000	-	ISO-25		-	RD25.4SS
27,0	1.063	-	-		3/4"	RD27SS
28,5	1.122	Pg21	-		RD28.5SS	
30,5	1.201	-	-		7/8"	RD30.5SS
31,8	1.252	-	-		-	RD31.8SS
32,5	1.279	-	ISO-32		-	RD32.5SS
34,6	1.362	-	-		-	RD34.6SS
37,2	1.464	Pg29	-		-	RD37.2SS
38,1	1.500	-	-		-	RD38.1SS
40,5	1.594	-	ISO-40		-	RD40.5SS-FC
41,3	1.626	-	-		-	RD41.3SS-FC
42,5	1.673	-	-		1"1/4"	RD42.5SS-FC
43,2	1.701	-	-		-	RD43.2SS-FC
44,5	1.752	-	-		-	RD44.5SS-FC
47,2	1.858	Pg36	-		-	RD47.2SS-FC

PIERCING HEADS

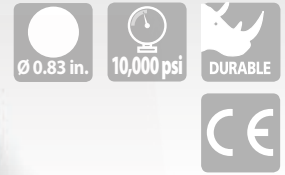
general features

RHT160	
Max piercing Ø in.	0.83
Max hole distance from bar edge in.	1.2
Max operating pressure psi	10,000
Dimensions in.	
Length	9.4
Width	6.0
Weight lbs.	14.3

RHT160-60N	
Max piercing Ø in.	0.83
Max hole distance from bar edge in.	2.3
Max operating pressure psi	10,000
Dimensions in.	
Length	9.4
Width	7.1
Weight lbs.	20.3

STORAGE	
Type	VAL-160*
Dimensions in. L x W x H	11.1 x 7.09 x 3.94
Weight lbs.	5.1
Supplied with the tool	✓
Purchase separately	-

*Suitable for storage of the head



Hydraulic piercing head complete with automatic quick coupler, for piercing holes of various diameters in copper, aluminum and steel bars with max. thickness of 0.39 inches (see Tab.)

This compact and handy tool is widely used for transformer room connections, control switch boards and power plants.

For operation the head must be joined to a hydraulic pump developing a pressure of 10,000 psi (see pages 202-208).

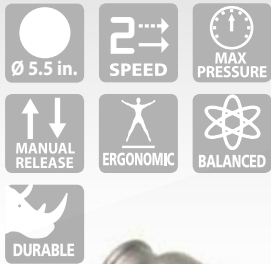
Available accessories (to be ordered separately):

Piercing Ø in.	0.25	0.33	0.35	0.41	0.43	0.51	0.53	0.55	0.59	0.67	0.75	0.83
Type (Kit Punch+Die)	RT6,5	RT8,5	RT9	RT10,5	RT11	RT13	RT13,5	RT14	RT15	RT17	RT19	RT21

Max. thickness

Hole diameter (in.)	0.25	0.33	0.35	0.41	0.43	0.51	0.53	0.55	0.59	0.67	0.75	0.83
Max thickness strep in Copper	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.31
Max thickness strep in Steel	0.39	0.39	0.39	0.39	0.39	0.35	0.35	0.35	0.31	0.27	0.24	0.16
Punch die/set	RT6,5	RT8,5	RT9	RT10,5	RT11	RT13	RT13,5	RT14	RT15	RT17	RT19	RT21

HT-FL74



PULLER-TYPE HOLE PUNCHING TOOLS

general features

MAIN APPLICATIONS

specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 5.5 in. thickness

Supplied with Pullers TD-11, TD-19 and spiral bit Ø 0.45 in. For the punch-die selection chart see page 167.

Hand operated hydraulic tool specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 0.14 in. thickness. Compact, lightweight and easy to handle. The tool is supplied complete with plastic case VAL-P28 for protection and storage when not in use.



TECHNICAL FEATURES

Max Punching Ø in.	5.5
Dimensions in.	
Length	15.0
Width	5.4
Weight lbs.	7.28

STORAGE

Type	VAL-P28
Dimensions in. L x W x H	24.4 x 14.2 x 5.4
Weight lbs.	5.3
Supplied with the tool	✓
Purchase separately	-



HT-FL75



TECHNICAL FEATURES

Supplied with Pullers TD-11, TD-19 and spiral bit Ø 0.45 in. For the punch-die selection chart see page 167.

Hand operated hydraulic tool specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 0.14 in. thickness. Compact, lightweight and easy to handle. The balanced punching head pivots 180deg through a full 360deg rotation for ease of use in confined spaces. The tool is supplied complete with plastic case VAL-P28 for protection and storage when not in use. Supplied with Pullers TD-11, TD-19 and spiral bit Ø 0.45 in. For the punch-die selection chart see page 167.



TECHNICAL FEATURES

Max Punching Ø in.	5.5
Dimensions in.	
Length	17.8
Width	5.1
Weight lbs.	8.1

STORAGE

Type	VAL-P28
Dimensions in. L x W x H	24.4 x 14.2 x 5.4
Weight lbs.	5.3
Supplied with the tool	✓
Purchase separately	-



Universal joint allows punching head to pivot 180deg over a full 360deg rotation.

PULLER-TYPE HOLE PUNCHING HEAD

RH-FL75

general features

MAIN APPLICATIONS

specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 5.5 in. thickness



STORAGE

Type	VAL-P29
Dimensions in. L x W x H	17.6 x 11.3 x 4.1
Weight lbs.	3.1
Supplied with the tool	✓
Purchase separately	-



TECHNICAL FEATURES

Max Punching Ø in.	5.5
Max operating pressure psi	10,000
Dimensions in.	
Length	6.4
Width	4.2
Weight lbs.	4.2



Hydraulic head, for hole punching stainless steel, soft steel, fibreglass and plastic sheet materials up to 0.14 in. thickness.

Compact and lightweight, easy to handle in confined spaces due to a rotating 90deg quick automatic coupler for connection to a hydraulic

pump with a working pressure of 10,000 psi max (see pages 202-208).

Supplied with Pullers TD-11, TD-19 and spiral bit Ø 0.45 in.

For the punch-die selection chart see table below.

HT-FL74, HT-FL75 and RH-FL75 Punching accessories available

Round punch

Hole diameter				Material max thickness (in.)		Pilot hole Ø (in.)	Type	
Nominal Ø (mm)	Ø (inch)	Pg	ISO	Stainless Steel	Mild Steel		KIT (Punch + Die)	Puller
15.5	.610	Pg9	-	0.1 in. (2.5 mm)	0.14 in. (3.5 mm)	0.45	TD-11	RD15.5SS
16.2	.638	-	ISO-16					RD16.2SS
17.0	.669	-	G3/8"					RD17.5SS
17.5	.689	-	-					RD18.8SS
18.8	.740	Pg11	-					RD19.1SS
19.1	.752	-	-					RD20.5SS
20.5	.807	Pg 13.5	ISO-20					RD21.5SS
21.5	.846	-	G1/2"					RD22.6SS
22.6	.890	Pg16	-					RD23.8SS
23.8	.937	-	G5/8"					RD25.4SS
25.4	1.000	-	ISO-25					RD27.5SS
27.0	1.063	-	G3/4"					RD28.5SS
28.5	1.122	Pg21	-					RD30.5SS
30.5	1.201	-	G7/8"					RD28.5SS-19
28.5	1.122	Pg 21	-					RD30.5SS-19
30.5	1.201	-	G7/8"					RD31.8SS
31.8	1.252	-	-					RD32.5SS
32.5	1.279	-	ISO-32					RD34SS
34.0	1.338	-	G1"					RD34.6SS
34.6	1.362	-	-					RD37.2SS
37.2	1.464	Pg29	-					RD38.1SS
38.1	1.500	-	-					RD38.5SS
38.5	1.515	-	G1"1/8"					RD40.5SS
40.5	1.594	-	ISO-40					RD41.3SS
41.3	1.626	-	-					RD42.5SS
42.5	1.673	-	G1"1/4"					RD43.2SS
43.2	1.701	-	-					RD44.5SS
44.5	1.752	-	-					RD47.2SS
47.2	1.858	Pg36	-					RD48.5SS
48.5	1.909	-	G1"1/2"					RD50.5SS
50.5	1.988	-	ISO-50					RD51.4SS
51.4	2.023	-	-					RD52.4SS
52.4	2.063	-	-					RD54.2SS
54.2	2.134	Pg42	-					RD60SS
60.0	2.362	Pg48	-					RD60.5SS
60.5	2.381	-	-					RD64SS
64.0	2.520	-	ISO-63					RD65SS
65.0	2.559	-	-					RD76SS
76.0	2.992	-	G2"1/2"					RD76.5SS
76.5	3.011	-	-					RD80.5SS
80.5	3.169	-	-					RD89SS
89.0	3.503	-	G3"					RD90SS
90.0	3.543	-	-					RD100SS
100.0	3.937	-	-					RD102SS
102.0	4.015	-	-					RD114SS
114.0	4.488	-	-					RD120SS
120.0	4.724	-	-					RD120SS
140.0	5.512	-	-					RD140SS

* Puller included in the kit

"D" punch

Hole diameter		Material max thickness (in.)		Pilot hole Ø (in.)	Type
Nominal (mm)	(inch)	Stainless Steel	Mild Steel		
(a)38.3 x (b)36.6	(a)1.507 x (b)1.442	0.10	0.14	0.73	RD 18D
(a)43.1 x (b)41.5	(a)1.696 x (b)1.632				RD 24D

Stainless Steel = Rm= 700 N/mm² - Mild Steel = Rm= 500 N/mm²

Square punch

Hole diameter		Material max thickness (in.)		Pilot hole Ø (in.)	Type
Nominal (mm)	(inch)	Stainless Steel	Mild Steel		
21.0 x 21.0	.827 x .827	0.10	0.14	0.47	RD21X21
46.0 x 46.0	1.811 x 1.811				RD46X46
68.0 x 68.0	2.677 x 2.677			1.04	RD68X68
92.0 x 92.0	3.622 x 3.622				RD92X92
126.0 x 126.0	4.960 x 4.960	0.06	0.08	1.12	RD126X126
138.0 x 138.0	5.433 x 5.433				RD138X138
220.0 x 220.0	8.661 x 8.661				RD220X220
224.0 x 224.0	8.818 x 8.818				RD224X224

Rectangular punch

Hole diameter		Material max thickness (in.)		Pilot hole Ø (in.)	Type
Nominal (mm)	(inch)	Stainless Steel	Mild Steel		
18.0 x 46.0	.709 x 1.811	0.08	0.08	0.65	RD18X46
22.0 x 30.0	.866 x 1.181				RD22X30
22.0 x 46.0	.866 x 1.811				RD22X46
29.0 x 71.0	1.141 x 2.795				RD29X71
35.0 x 65.0	1.377 x 2.559				RD35X65
35.0 x 86.0	1.377 x 3.385			RD35X86	
35.0 x 112.0	1.377 x 4.409			RD35X112	
36.0 x 46.0	1.417 x 1.811			RD36X46	
37.0 x 54.0	1.456 x 2.125			RD37X54	
37.0 x 67.0	1.456 x 2.637			RD37X67	
37.0 x 88.0	1.456 x 3.464	0.06	0.08	1.04	RD37X88
37.0 x 104.0	1.456 x 4.094				RD37X104
37.0 x 115.0	1.456 x 4.527				RD37X115
46.0 x 54.0	1.811 x 2.126				RD46X54
46.0 x 72.0	1.811 x 2.835				RD46X72
46.0 x 92.0	1.811 x 3.622			RD46X92	
46.0 x 107.0	1.811 x 4.212			RD46X107	
50.0 x 98.0	1.968 x 3.858			RD50X98	
67.0 x 126.0	2.637 x 4.960			RD67X126	
72.0 x 136.0	2.834 x 5.354			RD72X136	

Stainless Steel = Rm= 700 N/mm² - Mild Steel = Rm= 500 N/mm²

Use of non-Cembre punching accessories

Type	Punch & Die	Pilot hole Ø in.
TRD-9.4C (*)	GREENLEE 3/8" - 24 UNF	Ø 0.40
TRD-M11C (*)	BM, COSMEC (M11x1.5)	Ø 0.45
TD-M16C	BM, COSMEC (M16x1.5)	Ø 0.65
TD-27	BM, COSMEC (Ø105=Ø140)	Ø 1.10
TD-14X14-M14	BM, COSMEC 46x46	Ø 0.74
TD-120X20-M20	BM, COSMEC 92x92	Ø 1.10
TD-20X20-M20 (with plug)	BM, COSMEC 42x95	Ø 1.10
TGD-13.5X13.5-M13	BM, COSMEC 40x40; 45x45; 46x46 (M13)	Ø 0.74
TGD-10X10-M9	BM, COSMEC 006505	Ø 0.54
TD-9	IMB 9601	Ø 0.37
TD-16	IMB 9603	Ø 0.65
TD-10X10-M10 (with plug)	IMB 9623	Ø 0.57
TD-14X14-M14/1"	IMB 9625	Ø 0.77
TD-20 (without plug)	IMB 9626	Ø 1.10
TD-20X20-M20-C (with plug)	IMB 9626	Ø 1.10

(*) The washer supplied with the KIT must be threaded onto the draw stud and positioned between the head and the die to allow the die to rest correctly

RHTD

NUT SPLITTING HEADS

general features



RHTD270	
For splitting nuts in.	5/8" to 1-1/16"
Max operating pressure psi	10,000
Weight lbs.	3.9

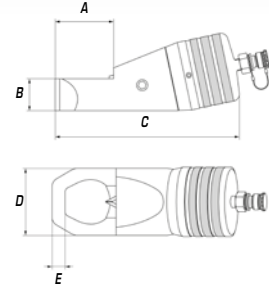
Hydraulic nut splitting head complete with automatic quick coupler. For operating the head must be joined to a hydraulic pump developing a pressure of 10,000 psi (see pages 202-208).

RHTD3241	
For splitting nuts mm	1-1/16" to 1-5/8"
Max operating pressure psi	10,000
Weight lbs.	10.1

RHTD410T	
For splitting nuts mm	1-1/16" to 1-5/8"
Max operating pressure psi	10,000
Weight lbs.	10.8

STORAGE	
Type	VAL-P4
Dimensions in. L x W x H	12.4 x 11.8 x 3.74
Weight lbs.	2.05
Supplied with the tool	✓

Dimensions in.			
	RHTD270	RHTD3241	RHTD410T
A	2.6	1.59	3.03
B	1.42	0.98	1.61
C	8.19	5.93	8.74
D	2.97	2.13	2.97
E	0.63	0.3	0.85



Application range

Type	HEXAGONAL NUTS		SQUARE NUTS	
	in.	Ø	in.	Ø
RHTD270	0.63	M 10	0.67	M 10
	0.67	M 10	0.75	M 12
	0.71	M 12	0.87	M 14
	0.75	M 12	0.94	M 16
	0.83	M 14	1.06	M 18
	0.87	M 14		
B-TD270	0.94	M 16		
	1.06	M 18	1.06	M 18
	1.06	M 18	1.06	M 18
	1.18	M 20	1.18	M 20
RHTD 3241	1.26	M 22	1.26	M 22
RHTD 410T	1.34	M 22	1.34	M 24
B-TD410T	1.42	M 24	1.42	M 27
	1.61	M 27		

B-TD270



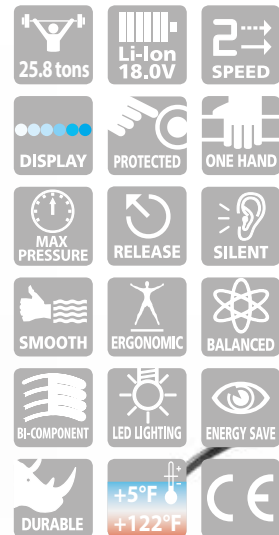
B-TD270	
Crimping force tons	11.2
Dimensions in.	
Length (with tube and head)	50.9
Height	13.8
Depth	3.3
Battery	18.0V 5.2Ah
Weight lbs. (with battery)	12.1

18.0 V battery operated hydraulic tool suitable for splitting fastening bushes, hexagonal and square nuts as per RHTD1724.



STORAGE	
Type	CVB-030
Dimensions in. L x W x H	19.5 x 10.5 x 17.9
Weight lbs.	3.0
Supplied with the tool	✓

B-TD410T



B-TD410T	
Crimping force tons	25.8
Dimensions in.	
Length (with tube and head)	53.5
Height	13.8
Depth	3.3
Battery	18.0V 5.2Ah
Weight lbs. (with battery)	19.4

18.0 V battery operated hydraulic tool suitable for splitting fastening bushes, hexagonal and square nuts as per RHTD410T.





CORDLESS HYDRAULIC TOOLS

symbol description

cordless hydraulic tools

	Crimping force tons		Battery condition displayed to show the residual battery power
	18.0V Li-Ion high power batteries		Switch protected against accidental operation
	Double speed action: a rapid approach speed and a slower more powerful speed for crimping or cutting		Can be operated with one hand
	Openable compression head, ideal for derivations from running conductors		Equipped with safety valve as a additional safety element for the operator
	Openable cutting head, ideal for cutting running cables		Provided with a maximum pressure sensor that allows to check the correct execution of the compressions or the limit switch control of the blades
	Tool with a large 1.65 in. jaw opening, for easier introduction/removal of large size compression terminations and joints		Pressure release button
	blades manufactured from high strength special Steel, heat treated to ensure a long service life		Extremely quiet in operation
	Max cutting diameter		Very little vibration
	Max hole punching diameter		Ergonomically designed with a sculptured body for operator comfort
	The head can rotate to enable the operator to work in the most comfortable position		Lightweight and balanced tool for greater control
	OLED display with multi-function capacitive touch button: Crimping force being generated, Battery power availability, Tool identification, LED state, Reset, No. of operational and service crimping cycles, Tool service required		LED lighting of the working area
			Dual-compound plastic body Greater safety and comfort in handling, thanks to the rubber inserts

symbol description

cordless hydraulic tools



Ensures optimal use of energy available



Durable moulded body offering high resistance to wear and damage in all operating conditions



Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface



Operating temperature range between -15 and +50°C



Hexagonal crimp



Radial crimp



Indent crimp



Deep indent crimp



"W" crimp



Oval crimp



Trapezium crimp



Circular crimp



Max operating pressure



Manual pressure release button



Fitted with an integral socket, for connection to a 12 V dc external power supply



Contains isolated oil



Hydraulic units provide protection against short circuit when accidentally cutting live L.V. / M.V. cables with nominal voltage up to 60 kV



CE marking



"Bilinear" configuration
Cembre 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



"Pistol" configuration
The new design and mass distribution favour the easy handling during use



"Standard" configuration
The design allows the maximum stability and comfort in handling and ergonomics



Smart Release Technology
Automatic retraction of the ram only occurs when the operator releases the start button, this allows visual verification of the die to ensure that they have fully met prior to releasing



Electronic Pressure Sensor
The EPS guarantees the precision of the crimping operation, checking the actual value of pressure and informing the operator of possible errors



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

18.0 V - 5.2 Ah CORDLESS TOOL FEATURES

general features

- 1 Head rotates through 180°
- 2 Switch protected against accidental operation
- 3 Pressure release button
- 4 Slot-in battery with release button
- 5 LED lighting of the working area
- 6 Motor ventilation
- 7 Bi-component body for increased impact resistance
- 8 Multifunction OLED display with touch button
- 9 Improved balance for better handling
- 10 Anatomically shaped grip for greater comfort
- 11 18.0 V - 5.2 Ah Li-Ion high power batteries
- 12 SMARTOOL technology for viewing and downloading operational data



SUPPLIED WITH

- 1 CB 1852L, 18.0 V - 5.2 Ah Li-Ion high power battery (2 pcs.)
- 2 ASC30-36USA/CAN 27046000 AC charger (115V).
(INPUT 220-240 V / 50-60 Hz; OUTPUT 12-42 V DC / 3.0 A max.)
- 3 USB cable
- 4 Shoulder strap
- Plastic or Metal carrying case



OPTIONAL ACCESSORIES

- 5 CINV12-110IC, 12V car power inverter.

Technical Specifications:

- Rated Power: 300 W
- Max. Power: 350 W
- Peak Power: 700 W
- Input Voltage: 11-15 VDC
- Output Voltage: 110 V
- Output Frequency: 50Hz or 60 Hz
- USB Output: 5 VDC 1 A cont.
- Converter Efficiency: > 90 %
- Protections: Short circuit, overload, over temperature, low battery voltage, over battery voltage
- Indicator: Dual color LED (Green,operation, Red,shutdown)
- Over Voltage Shutdown: DC 16 V
- Low Voltage Shutdown: DC 10 V



Multifunction OLED display:

- LED ON General operating information
- 15 34985 Tool service required to maintain optimum condition
- BATTERY Battery power availability
- P_m= 692 bar OK Pressure level check
- F_m=125.2 KN OK Crimping force check



18.0 V - 2.0 Ah CORDLESS TOOL FEATURES

general features

- 1 Bilinear mechanical design
- 2 Smart Release system to automatically retract the ram at the end of the crimping cycle
- 3 OLED multifunctional display with touch button
- 4 Electronic Pressure Sensor (EPS)
- 5 SMARTOOL technology for viewing and downloading operational data
- 6 Illumination of working area via 4 x LED lights
- 7 Bi-component plastic body
- 8 Head rotates for ease of operation in confined spaces
- 9 Switch protected against accidental operation
- 10 Pressure release button
- 11 Slot-in battery with release button
- 12 Battery condition displayed to show the residual battery power
- 13 Motor ventilation
- 14 The tools are fitted with a maximum pressure valve to indicate a correct crimping operation or the full extent of the ram travel
- 15 Can be operated with one hand
- 16 Extremely quiet in operation with very little vibration
- 17 Anatomically shaped grip for greater comfort
- 18 18.0 V - 2.0 Ah Li-Ion high power batteries



New Range *nd*



SUPPLIED WITH

- 1 CB1820L, 18.0 V - 2.0 Ah Li-Ion high power battery (2 pcs.)
 - 2 ASC30-36USA/CAN 27046000 AC charger (115V).
(INPUT 220-240 V / 50-60 Hz; OUTPUT 12-42 V DC / 3.0 A max.)
 - 3 USB cable (not for B15MA)
- Wrist strap
 - Plastic carrying case



OPTIONAL ACCESSORIES

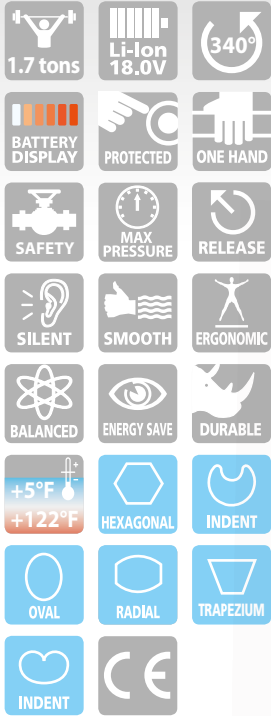
- 4 CINV12-110IC, 12V car power inverter.



B15MA

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

general features



MAIN APPLICATIONS - max section AWG

Section AWG	22÷16	16÷14	12÷10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Copper lugs and splices																					
Insulated terminals																					
End sleeves																					

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244



TECHNICAL FEATURES

Crimping force tons	1.7
Dimensions in.	
Length	13.3
Height	5.3
Width	3.2
Battery	18.0V 2.0Ah
Weight lbs. (with Battery)	3.8

STORAGE

Type	VAL-P22
Dimensions in. L x W x H	18.3 x 12.4 x 4.6
Weight lbs.	3.3
Supplied with the tool	✓
Purchase separately	-

The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- AC charger (110-115V)
- Plastic carrying case suitable for storing the tool and accessories



Many different interchangeable crimping dies available

Conductor Size AWG	Connector Type	Die Set	
22 ÷ 6	A...; L...-M; L...-P; S...; RN...; BN...; GN...	MA03/3-15	☺
16 ÷ 8	A...; L...-M; L...-P	ME03/2-15	
8 ÷ 6	A...; 2A...; L...-M; L...-P	ME2/3-15	
12 ÷ 8	T... (NF C 20130 style); L...-T	MS4/10-15	⬡
8 ÷ 6	T... (NF C 20130 style); L...-T	MS10/16-15	
8 ÷ 6	HR...; HSV...	MH10/16-15	
10 ÷ 6	DR... (DIN 46235 style); DSV... (DIN 46267 T1 style)	MKS/8-15	☺
8 ÷ 6	ANE...; AN...; IN...; EN...	NN4-15	
22 ÷ 10	R...; B...; G...; PL...; NL...	RBG-15	
22 ÷ 10	R...; B...; G... (not suffix P, RF/BF-BF)	RBY-15 with positioner	○
22 ÷ 12	PKE; PKC; PKD; PKT; KE	KE4-15	⬡
12 ÷ 6	PKE; PKC; PKD; PKT; KE	KE16-15	
6 ÷ 2	PKE; PKC; PKD; PKT; KE	KE35-15	
14 -12 -10	CS4 (for photovoltaic systems)	MCS4-15	☺

Can be operated with one hand. Balanced for greater control. Head rotates by 340° for ease of operation in confined spaces. The tool is fitted with a maximum pressure valve. Extremely quiet, minimal vibration. Durable moulded body offering high resistance to wear and damage in all operating conditions. New Li-Ion 18V 2Ah High Power battery.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. Supplied in a robust plastic case to accommodate the tool and all the accessories. Two batteries and AC charger (110-115V) included. Many different interchangeable crimping dies available. Operating temperature: +5 to +122°F



Battery condition display



Interchangeable die sets



Ergonomically designed operating switch



Automatic slot-in battery

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

B500NDA

general features

MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Copper lugs and splices																						
Insulated terminals																						
End sleeves																						
"C" sleeve Connectors																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244

TECHNICAL FEATURES

Crimping force tons	6
Dimensions in.	
Length	15.6
Height	5.3
Width	3.2
Battery	18.0V 2.0Ah
Weight lbs. (with Battery)	6.9

STORAGE

Type	VAL-P22
Dimensions in. L x W x H	18.3 x 12.4 x 4.6
Weight lbs.	3.3
Supplied with the tool	✓
Purchase separately	-

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



B500NDA is the first of a new generation of hand-held cordless tools, characterised by a "Bilinear" mechanical design. Equipped with a Smart Release system which automatically retracts the ram at the end of the operating cycle.

B500NDA is suitable for crimping electrical connectors onto conductor cross sections up to 600 MCM and uses the die sets common to all Cembre 6 tons tools and heads. Equipped with Li-Ion 18V 2Ah rechargeable high capacity batteries. 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 Electronic Pressure Sensor (EPS) guarantees the precision of the crimping operation, checking the actual value of pressure and informing the operator about possible errors.

The OLED display provides essential real time operating data, including:

- generated crimping force 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 re-configured to yield improvements in handling and convenience.



6 tons	Li-Ion 18.0V	SPEED
HEAD OPENING	180°	OLED
BATTERY DISPLAY	PROTECTED	ONE HAND
SAFETY	RELEASE	SILENT
SMOOTH	ERGONOMIC	BALANCED
LED LIGHTING	BI-COMPONENT	ENERGY SAVE
DURABLE	200k	+5°F +122°F
HEXAGONAL	RADIAL	INDENT
OVAL	INDENT	CIRCULAR
CE		

Two batteries and AC charger (110-115V) included. Same charger of all our tools.

Operating temperature: +5 to +122°F

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 enhance the tool's practicality. 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 cable (SMARTOOL technology).



"Bilinear" mechanical design



4 LED lighting of the working area



Manual pressure release button



OLED multifunctional display with touch button



Battery connection system with release button

B500A

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

general features



MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Copper lugs and splices																						
Insulated terminals																						
End sleeves																						
"C" sleeve Connectors																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244



A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the pressure cycle and double the provision for operator safety. The OLED display provides essential real time tool operating information data including:

- Crimping pressure and force being generated, for confirmation of adherence to norms and best practice
- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service crimping cycles
- Tool service required to maintain optimum condition.

Designed with improved balance, B500A is easily manageable during the crimping process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface. Operating temperature: +5 to +122°F

TECHNICAL FEATURES

Crimping force tons	6
Dimensions in.	
Length	11.8
Height	13.5
Width	3.3
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	9.2

STORAGE

Type	VAL-P38
Dimensions in. L x W x H	20.5 x 17.0 x 5.0
Weight lbs.	5.7
Supplied with the tool	✓
Purchase separately	-

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and 14 die sets



B500A-KV
version also available for
Power Supply Companies



Crimps for charge

Terminal	Conductor (AWG)	Die Set	Approx. No of crimps
Cembre Copper tube crimping lugs	3	ME5-50	614
	250 MCM	ME24-50	328
	500 MCM	ME48-50	252



LED lighting of the working area



Multifunction OLED display with touch button



Anatomically shaped grip for improved comfort



Slot-in battery with release button

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

B550CA

general features

MAIN APPLICATIONS - max section AWG

- Copper lugs and splices 500 MCM
- Aluminium lugs and splices up to 300 MCM
- H taps up to 4/0 - 4/0
- "C" sleeve connectors 2/0

TECHNICAL FEATURES

Crimping force tons	6
Dimensions in.	
Length	14.1
Height	14.0
Width	3.3
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	11.7

STORAGE

Type	VAL-P40
Dimensions in. L x W x H	20.5 x 17.0 x 5.0
Weight lbs.	5.7
Supplied with the tool	✓
Purchase separately	-

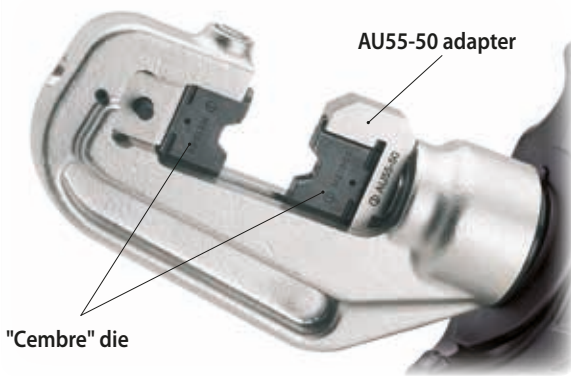


The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and accessories



With adapter AU55-50 for accepting "Cembre 6 ton" dies.



The B550CA, with adapter AU55-50, will accept "Cembre 6 ton" dies.

New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater crimping speed and crimping force result from a revitalised hydraulic system with double speed action: a rapid approach of the dies to the connector then a slower, more powerful speed for crimping. A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the pressure cycle and double the provision for operator safety.



B550CA-KV version also available for Electrical Utilities

- 6 tons
- Li-Ion 18.0V
- SPEED
- 180°
- OLED
- BATTERY DISPLAY
- PROTECTED
- ONE HAND
- SAFETY
- RELEASE
- SILENT
- SMOOTH
- ERGONOMIC
- BALANCED
- LED LIGHTING
- BI-COMPONENT
- ENERGY SAVE
- DURABLE
- 200k
- +5°F
- +122°F
- HEXAGONAL
- RADIAL
- INDENT
- OVAL
- INDENT
- CIRCULAR
- CE

The OLED display provides essential real time tool operating information data including:

- Crimping pressure and force being generated, for confirmation of adherence to norms and best practice
- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service crimping cycles
- Tool service required to maintain optimum condition.

Designed with improved balance, B550BA is easily manageable during the crimping process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface. Operating temperature: +5 to +122°F

B1350-CA

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

general features



MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Copper lugs																						
Copper splices																						
"C" sleeve Connectors																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and 8 die sets

TECHNICAL FEATURES

Crimping force tons	12
Dimensions in.	
Length	13.3
Height	13.5
Width	3.3
Jaw Opening mm	1.0
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	14.3

STORAGE

Type	VAL-P39
Dimensions in. L x W x H	20.5 x 17.0 x 5.0
Weight lbs.	5.7
Supplied with the tool	✓
Purchase separately	-



B1350-CA-KV version also available for Power Supply Companies

B1350-CA is suitable for a wide range of connectors up to 800 MCM using all semi-circular slotted dies common to the Cembre 12 tons tooling range. New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater crimping speed and crimping force result from a revitalised hydraulic system with double speed action: a rapid approach of the dies to the connector then a slower, more powerful speed for crimping.

A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the pressure cycle and double the provision for operator safety.

The OLED display provides essential real time tool operating information data including:

- Crimping pressure and force being generated, for confirmation of adherence to norms and best practice
- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service crimping cycles
- Tool service required to maintain optimum condition.

Designed with improved balance, B1350-CA is easily manageable during the crimping process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface.

Operating temperature: +5 to +122°F



LED lighting of the working area



Multifunction OLED display with touch button



Anatomically shaped grip for improved comfort



Slot-in battery with release button

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

B1350L-CA

general features

MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	750 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Copper lugs and splices																							
Aluminum lugs and splices																							
"C" sleeve Connectors																							

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244

TECHNICAL FEATURES

Crimping force tons	12
Dimensions in.	
Length	15.5
Height	14.6
Width	3.3
Jaw Opening mm	1.7
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	17.8

STORAGE

Type	VAL-P39
Dimensions in. L x W x H	20.5 x 17.0 x 5.0
Weight lbs.	5.7
Supplied with the tool	✓
Purchase separately	-



B1350L-CA-KV version also available for Power Supply Companies



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and 8 die sets

B1350L-C version, Featuring a large 1.7 in. jaw opening, for an easier introduction/removal of large size compression terminations and joints.

B1350L-CA is suitable for a wide range of connectors up to 800 MCM using all semi-circular slotted dies common to the Cembre 12 tons tooling range.

New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater crimping speed and crimping force result from a revitalised hydraulic

system with double speed action: a rapid approach of the dies to the connector then a slower, more powerful speed for crimping.

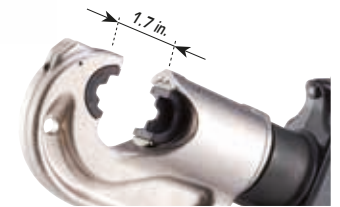
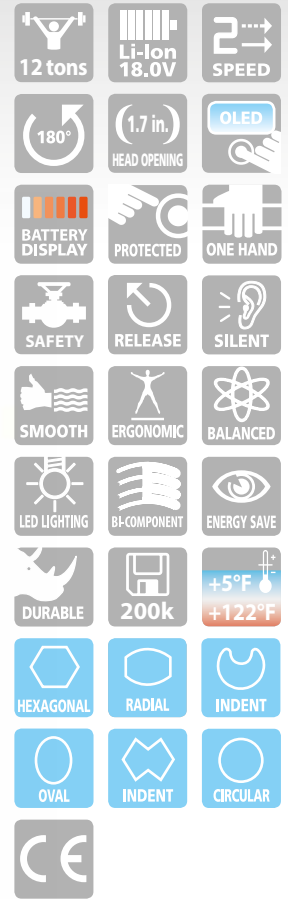
A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the pressure cycle and double the provision for operator safety.

The OLED display provides essential real time tool operating information data including:

- Crimping pressure and force being generated, for confirmation of adherence to norms and best practice
- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service crimping cycles
- Tool service required to maintain optimum condition.

Crimps for charge

Terminal	Conductor (AWG)	Die Set	Approx. No of crimps
Cembre Copper tube crimping lugs	3	ME5-C	150
	250 MCM	ME24-C	116
	500 MCM	ME48-C	95



Designed with improved balance, B1350L-CA is easily manageable during the crimping process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface.

Operating temperature: +5 to +122°F

B1300-CA

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

general features



MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Copper lugs																						
Copper splices																						
"C" sleeve Connectors																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244



TECHNICAL FEATURES

Crimping force tons	12
Dimensions in.	
Length	16.0
Height	9.4
Width	4.0
Jaw Opening mm	1.0
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	14.3

STORAGE

Type	VAL-P44
Dimensions in. L x W x H	26.8 x 18.6 x 5.9
Weight lbs.	8.2
Supplied with the tool	✓
Purchase separately	-

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and 12 die sets

Operating temperature: +5 to +122°F



B1300-CA-KV
version also available for Power Supply Companies

B1300-CA is suitable for a wide range of connectors up to 800 MCM using all semi-circular slotted dies common to the Cembre 12 tons tooling range. New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater crimping speed and crimping force result from a revitalised hydraulic system with double speed action: a rapid approach of the dies to the connector then a slower, more powerful speed for crimping.

A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the pressure cycle and double the provision for operator safety.

The OLED display provides essential real time tool operating information data including:

- Crimping pressure and force being generated, for confirmation of adherence to norms and best practice
- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service crimping cycles
- Tool service required to maintain optimum condition.

Designed with improved balance, B1300-CA is easily manageable during the crimping process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface.

Crimps for charge

Terminal	Conductor (AWG)	Die Set	Approx. No of crimps
Cembre Copper tube crimping lugs	3	ME5-C	228
	250 MCM	ME24-C	141
	500 MCM	ME48-C	116



LED lighting of the working area



Anatomically shaped grip for improved comfort



Slot-in battery with release button



Multifunction OLED display with touch button

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

B1300L-CA

general features

MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250 MCM	300 MCM	350 MCM	400 MCM	500 MCM	600 MCM	750 MCM	800 MCM	1000 MCM	1250 MCM	1500 MCM	2000 MCM	
Copper lugs and splices																							
Aluminum lugs and splices																							
"C" sleeve Connectors																							

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244

TECHNICAL FEATURES

Crimping force tons	12
Dimensions in.	
Length	18.5
Height	9.4
Width	4.0
Jaw Opening mm	1.7
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	17.6



STORAGE

Type	VAL-P44
Dimensions in. L x W x H	26.8 x 18.6 x 5.9
Weight lbs.	8.2
Supplied with the tool	✓
Purchase separately	-



The B1300L-CA version, Featuring a large 1.7 in. jaw opening, for an easier introduction/removal of large size compression terminations and joints.

B1300L-CA is suitable for a wide range of connectors up to 800 MCM using all semi-circular slotted dies common to the Cembre 12 tons tooling range. New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater crimping speed and crimping force result from a revitalised hydraulic system with double speed action: a rapid approach of the dies to the connector then a slower, more powerful speed for crimping.

A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the pressure cycle and double the provision for operator safety. The OLED display provides essential real time tool operating information data including:

- Crimping pressure and force being generated, for confirmation of adherence to norms and best practice
- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service crimping cycles
- Tool service required to maintain optimum condition.

Designed with improved balance, B1300L-CA is easily manageable during the crimping process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and 12 die sets

Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface.

Operating temperature: +5 to +122°F

B1300L-CA-KV version also available for Power Supply Companies



"KV" version of B1300L-CA tool is provided with additional coatings to protect the operator and tool against accidental brush contact with energised conductors.

- 12 tons
- Li-Ion 18.0V
- SPEED
- 180°
- 1.7 in. HEAD OPENING
- OLED
- BATTERY DISPLAY
- PROTECTED
- ONE HAND
- SAFETY
- RELEASE
- SILENT
- SMOOTH
- ERGONOMIC
- BALANCED
- LED LIGHTING
- BI-COMPONENT
- ENERGY SAVE
- DURABLE
- 200k
- +5°F
- +122°F
- HEXAGONAL
- RADIAL
- INDENT
- OVAL
- INDENT
- CIRCULAR
- CE

B1500A

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

general features



MAIN APPLICATIONS - max section AWG

- Copper #8 AWG - 1500 MCM

- Aluminium #8 AWG - 1250 MCM



TECHNICAL FEATURES

Crimping force tons	15
Dimensions in.	
Length	20.7
Height	9.9
Width	4.0
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	21.4

STORAGE

Type	VAL-B1500
Dimensions in. L x W x H	22.2 x 16.1 x 5.2
Weight lbs.	14.7
Supplied with the tool	✓
Purchase separately	-

The OLED display provides essential real time tool operating information data including:

- Crimping pressure and force being generated, for confirmation of adherence to norms and best practice
- Battery power availability
- Tool identification, LED work light state, reset, no. of operational and service crimping cycles
- Tool service required to maintain optimum condition.

Designed with improved balance, B1500A is easily manageable during the crimping process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface.

Operating temperature: +5 to +122°F

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Metal carrying case suitable for storing the tool and 12 die sets



B1500A will accept directly all "P" dies commonly used in industry and, with the AU150-C adapter, all the semi-circular slotted dies, common to most 12 tons tools (U dies).

B1500A is able to crimp splices and lugs to 1250 MCM aluminum and 1500 MCM copper.

New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater crimping speed and crimping force result from a revitalised hydraulic system with double speed action: a rapid approach of the dies to the connector then a slower, more powerful speed for crimping.

A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the pressure cycle and double the provision for operator safety.

DIE SELECTOR CHART

Copper Conductor (MCM)		Die Set	
low stranded	multi stranded		
1000	-	ME100-P	⬡
1250	1000	ME120-P	⬡
-	-	MUT9930-P index 301	⬡
-	-	MUT9931-P index 302	⬡



Openable head



Multifunction OLED display with touch button



Anatomically shaped grip for improved comfort



Slot-in battery with release button

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

B1500A

general features

The B1500A with "P" dies.

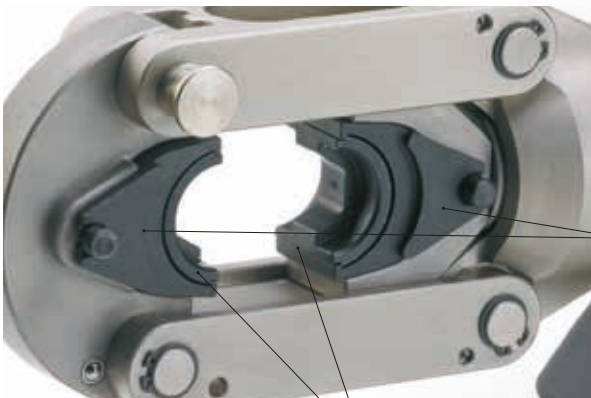


- 15 tons
- Li-Ion 18.0V
- SPEED
- 180°
- OLED
- BATTERY DISPLAY
- PROTECTED
- ONE HAND
- SAFETY
- RELEASE
- SILENT
- SMOOTH
- ERGONOMIC
- BALANCED
- LED LIGHTING
- BI-COMPONENT
- ENERGY SAVE
- DURABLE
- 200k
- +5°F
- +122°F
- HEXAGONAL
- RADIAL
- INDENT
- OVAL
- INDENT
- CIRCULAR
- CE



"P" dies

The B1500A with adapter AU150-C for accepting "U" dies.



AU150-C adapter

"U" die

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, Aldrey, Aluminum, Aluminum-Steel cables, Steel ropes having a max overall diameter of 1", guy wire up to 7/8" and steel ground rod up to 5/8"



TECHNICAL FEATURES

Max cutting Ø in.	up to 1
Dimensions in.	
Length	16.3
Height	5.4
Width	3.2
Battery	18.0V 2.0Ah
Weight lbs. (with Battery)	8.2

STORAGE

Type	VAL-P22
Dimensions in. L x W x H	18.3 x 12.4 x 4.6
Weight lbs.	3.3
Supplied with the tool	✓
Purchase separately	-

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



Ideal for
EHS guy wire

CUTTING CAPACITY

	MATERIAL	TENSILE STRENGTH (lbs./sq.in.)	MAX CUTTING DIAMETER (in.)
			B-TC250YNDA
ROPE & CONDUCTORS	Copper	≤ 59,450	1
	Aluminum	≤ 29,000	1
	Almelec	≤ 49,300	1
	Steel	≤ 261,000	INDICATIVE EXAMPLES: 7 x 0.118 = Ø out. 0.354 19 x 0.083 = Ø out. 0.413 19 x 0.091 = Ø out. 0.453
	MULTI STRANDS Steel (STRANDS Qty ≥ 200)	≤ 261,000	0.709
	ACSR	≤ 261,000	1 INDICATIVE EXAMPLES: 26 x 0.098 + 7 x 0.077 : Ø out. = 0.624 26 x 0.120 + 7 x 0.094 : Ø out. = 0.763 26 x 0.142 + 7 x 0.110 : Ø out. = 0.897
RODS	Steel	≤ 87,000	0.511
		≤ 60,900	0.629
	Copper	≤ 43,000	0.787
	Aluminum	≤ 23,200	0.905

B-TC250YNDA is a new generation of hand-held cordless tools, characterised by a "Bilinear" mechanical design.

B-TC250YNDA is specifically designed to cut Copper, Aldrey, Aluminum, Aluminum-Steel cables, Steel ropes having a max overall diameter of 1", guy wire up to 7/8" and steel ground rod up to 5/8".

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18V 2 Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

Fitted with a maximum hydraulic pressure valve.

Weight and balance have been re-configured to yield improvements 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 enhance the tool's practicality.

Two batteries and AC charger (110-115V) included. Same charger of all our tools.

Operating temperature: +5 to +122°F

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, aldrej, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having Ø max 1.26"

STORAGE

Type	VAL-P48
Dimensions in. L x W x H	24.4 x 14.2 x 5.4
Weight lbs.	5.3
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

Max cutting Ø in.	1.26
Dimensions in.	
Length	17.5
Height	5.4
Width	3.2
Battery	18.0V 2.0Ah
Weight lbs. (with Battery)	8.7



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



CUTTING CAPACITY - a few examples

Section		Ø in.	Stranding # x in.	Conductor Type
AWG/MCM	in².			
200		0,524	-	RIM120
1/0		0,350	7/0,0208	Bronze
2/0		0,405	19/0,0811	Bronze
4/0		0,492	19/0,0984	Bronze
2/0		0,421	19/0,0843	Aluminium
4/0		0,492	19/0,0984	Aluminium
300		0,620	37/0,0886	Aluminium
	0,500 (BUTTERFLY)	0,915	19/0,183	Aluminium
	0,6244 (ARBUTUS)	1,026	37/0,1466	Aluminium
	0,0542/0,0093	0,319	6/0,1063 + 1/0,1063	Aluminium-steel
	0,0775/0,0124	0,378	6/0,1260 + 1/0,1260	Aluminium-steel
	0,0775/0,0465	0,461	12/0,0917 + 7/0,0917	Aluminium-steel
	0,1085/0,0186	0,461	26/0,0788 + 7/0,0567	Aluminium-steel
	0,1473/0,0233	0,535	26/0,0846 + 7/0,0657	Aluminium-steel
	0,2325/0,0388	0,673	26/0,1063 + 7/0,0827	Aluminium-steel
	0,2635/0,0620	0,744	30/0,1063 + 7/0,1063	Aluminium-steel
	0,2868/0,0465	0,748	26/0,1181 + 7/0,0717	Aluminium-steel
	0,3565/0,0465	0,827	24/0,1378 + 7/0,0917	Aluminium-steel
	0,3720/0,0620	0,862	26/0,1358 + 7/0,1055	Aluminium-steel
	0,7493/0,0542	1,165	45/0,1472 + 7/0,098	Aluminium-steel
	0,4371/0,0243 (OSPREY)	0,878	18/0,1758 + 1/0,1758	Aluminium-steel
	0,4371/0,0662 (DOVE)	0,927	26/0,1463 + 7/0,1138	Aluminium-steel
	0,3711 (POPLAR)	0,791	37/0,113	Rope Aluminium Alloy
1/0		0,433	Class 5	Aluminium flex
4/0		0,728	-	Insulated Steel flex
300		0,630	19/0,126	Cu
2/0		0,472	2214/0,0079	Cu extra flex
5		0,232	126/0,0157	Cu flex
250		0,649	608/0,0197	Cu flex
500		0,906	1221/0,0197	Cu flex

B-TC320NDA



B-TC320NDA is a new generation of hand-held cordless tools, characterised by a "Bilinear" mechanical design.

B-TC320NDA is specifically designed to cut Copper, aldrej, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having a max overall diameter of 1.26". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18.0V - 2.0Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

Fitted with a maximum hydraulic pressure valve.

Weight and balance have been re-configured to yield improvements 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 enhance the tool's practicality.

Two batteries and AC charger (110-115V) included. Same charger of all our tools.

Operating temperature: +5 to +122°F

B-TC250YA

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, Aldrey, Aluminum, Aluminum-Steel cables, Steel ropes having a max overall diameter of 1", guy wire up to 7/8" and steel ground rod up to 5/8"



Ideal for
EHS guy wire



TECHNICAL FEATURES

Max cutting Ø in.	up to 1
Dimensions in.	
Length	12.2
Height	13.5
Width	3.3
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	10.5

STORAGE

Type	VAL-P40
Dimensions in. L x W x H	20.5 x 17.0 x 5.0
Weight lbs.	5.7
Supplied with the tool	✓
Purchase separately	-

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and accessories



Next generation of 18.0 V cordless hydraulic cutting tool specifically designed cut Copper, Aldrey, Aluminum, Aluminum-Steel cables, Steel ropes having a max overall diameter of 1", guy wire up to 7/8" and steel ground rod up to 5/8". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables. Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-TC250YA is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Two batteries and AC charger (110-115V) included. Same charger of all our tools. Operating temperature: +5 to +122°F.

CUTTING CAPACITY

	MATERIAL	TENSILE STRENGTH (lbs./sq.in.)	MAX CUTTING DIAMETER (in.)
			B-TC250YA
ROPE & CONDUCTORS	Copper	≤ 59,450	1
	Aluminum	≤ 29,000	1
	Almelec	≤ 49,300	1
	Steel	≤ 261,000	INDICATIVE EXAMPLES: 7 x 0.118 = Ø out. 0.354 19 x 0.083 = Ø out. 0.413 19 x 0.091 = Ø out. 0.453
	MULTI STRANDS Steel (STRANDS Qty ≥ 200)	≤ 261,000	0.709
	ACSR	≤ 261,000	1 INDICATIVE EXAMPLES: 26 x 0.098 + 7 x 0.077 : Ø out. = 0.624 26 x 0.120 + 7 x 0.094 : Ø out. = 0.763 26 x 0.142 + 7 x 0.110 : Ø out. = 0.897
RODS	Steel	≤ 87,000	0.511
		≤ 60,900	0.629
	Copper	≤ 43,000	0.787
		≤ 36,250	0.905
	Aluminum	≤ 23,200	1

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, Aldrey, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having Ø max 1-3/4"

TECHNICAL FEATURES

Max cutting Ø in.	up to 1-3/4
Dimensions in.	
Length	16.0
Height	15.8
Width	3.5
Battery	18.0V/5.2Ah
Weight lbs. (with Battery)	14.7

Ideal for
EHS guy wire

STORAGE

Type	VAL-P40
Dimensions in. L x W x H	20.5 x 17.0 x 5.0
Weight lbs.	5.7
Supplied with the tool	✓
Purchase separately	-

CUTTING CAPACITY

	MATERIAL	TENSILE STRENGTH (lbs./sq.in.)	MAX CUTTING DIAMETER (in.)
			B-TC450A
ROPE & CONDUCTORS	Copper	≤ 59,450	1-3/4"
	Aluminum	≤ 29,000	1-3/4"
	Almelec	≤ 49,300	1-3/4"
	Steel	≤ 261,000	INDICATIVE EXAMPLES: 7 x 0.118 = Ø out. 0.354 19 x 0.083 = Ø out. 0.413 19 x 0.091 = Ø out. 0.453
	MULTI STRANDS Steel (STRANDS Qty ≥ 200)	≤ 261,000	0.709
	ACSR	≤ 261,000	1-3/4" INDICATIVE EXAMPLES: 26 x 0.098 + 7 x 0.077 : Ø out. = 0.624 26 x 0.120 + 7 x 0.094 : Ø out. = 0.763 26 x 0.142 + 7 x 0.110 : Ø out. = 0.897 54 x 0.138 + 19 x 0.082 : Ø out. = 1.240 54 x 0.172 + 19 x 0.103 : Ø out. = 1.543
RODS	Steel	≤ 87,000	0.709
		≤ 60,900	0.787
	Copper	≤ 43,000	1.181
		≤ 36,250	1.260
	Aluminum	≤ 23,200	1-3/4"



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and accessories

Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut Copper, Aldrey, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having a max overall diameter of 1-3/4".

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18V - 5.2Ah batteries offer a higher capacity than 14.4 V 3 Ah, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

The battery is equipped with LED indicators to show the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

Fitted with a maximum hydraulic pressure valve.

Designed with improved balance, B-TC450A is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

Two batteries and AC charger (110-115V) included. Same charger of all our tools.

Operating temperature: +5 to +122°F.

B-TC500YA

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum, Aluminum-Steel cables (ACSR) having a max overall diameter of 2"
not suitable for cutting guy wire and ground rod.



For ACSR only
not suitable for cutting guy wire
and ground rod

TECHNICAL FEATURES

Max cutting Ø in.	up to 2
Dimensions in.	
Length	15.9
Height	15.6
Width	3.3
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	12.7

STORAGE

Type	VAL-P40
Dimensions in. L x W x H	20.5 x 17.0 x 5.0
Weight lbs.	5.7
Supplied with the tool	✓
Purchase separately	-



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and accessories

Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut copper, aluminum, aluminum-steel cables (ACSR) having a max overall diameter of 2".

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 90 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

Fitted with a maximum hydraulic pressure valve.

Designed with improved balance, B-TC500YA is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

Two batteries and AC charger (110-115V) included. Same charger of all our tools.

Operating temperature: +5 to +122°F

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

B-TC550A

overhead line application

MAIN APPLICATIONS

Specifically designed to cut Copper, Aluminum, Aluminum-Steel cables (ACSR) Steel ropes and rods having a max overall diameter of 2-3/16"



TECHNICAL FEATURES

Max cutting Ø in.	2-3/16
Dimensions in.	
Length	17.4
Height	16.7
Width	3.4
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	19.6

STORAGE

Type	VAL-P40
Dimensions in. L x W x H	20.5 x 17.0 x 5.0
Weight lbs.	5.7
Supplied with the tool	✓
Purchase separately	-

CUTTING CAPACITY

	MATERIAL	TENSILE STRENGTH (lbs./sq.in.)	MAX CUTTING DIAMETER (mm)
			B-TC550A
ROPE & CONDUCTORS	Copper	≤ 59,450	2-3/16"
	Aluminum	≤ 29,000	2-3/16"
	Almelec	≤ 49,300	2-3/16"
	Steel	≤ 261,000	INDICATIVE EXAMPLES: 7 x 0.118 = Ø out. 0.354 19 x 0.083 = Ø out. 0.413 19 x 0.091 = Ø out. 0.453
	MULTI STRANDS Steel (STRANDS Qty ≥ 200)	≤ 261,000	22
	ACSR	≤ 261,000	50 INDICATIVE EXAMPLES: 26 x 0.098 + 7 x 0.077 : Ø out. = 0.624 26 x 0.120 + 7 x 0.094 : Ø out. = 0.763 26 x 0.142 + 7 x 0.110 : Ø out. = 0.897 26 x 0.175 + 7 x 0.136 : Ø out. = 1.108 54 x 0.138 + 19 x 0.082 : Ø out. = 1.240 54 x 0.172 + 19 x 0.103 : Ø out. = 1.543 83 x 0.181 + 16 x 0.110 : Ø est. = 1.968
	GUY WIRE (GW15-9/16-188)	Extra high strength grade	7 x 0.188 : Ø est. = 0.562 in.
RODS	Steel	≤ 87,000	0.787
		≤ 60,900	0.866
	Copper	≤ 43,000	1.338
	Aluminum	≤ 36,250	1.515
		≤ 23,200	1.968



Ideal for 795 MCM ACSR Drake and EHS guy wire

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and accessories



Next generation of 18.0 V cordless hydraulic cutting tool Specifically designed to cut copper, aluminum, aluminum-steel cables (ACSR) steel ropes and rods having a max overall diameter of 2-3/16".

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 330 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

Fitted with a maximum hydraulic pressure valve.

Designed with improved balance, B-TC550A is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

Two batteries and AC charger (110-115V) included. Same charger of all our tools.

Operating temperature: +5 to +122°F

B-TC320NDFA

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum and Telecommunications cable having Ø max 1.26 in.



TECHNICAL FEATURES

Max cutting Ø in.	1.26
Dimensions in.	
Length	17.5
Height	5.4
Width	3.2
Battery	18.0V 2.0Ah
Weight lbs. (with Battery)	8.8

STORAGE

Type	VAL-P48
Dimensions in. L x W x H	24.4 x 14.2 x 5.4
Weight lbs.	5.3
Supplied with the tool	✓
Purchase separately	-



B-TC320NDFA is a new generation of hand-held cordless tools, characterised by a "Bilinear" mechanical design.

B-TC320NDFA is specifically designed to cut Copper, Aluminum and telecommunication cable having a max overall diameter of 1.26".

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18.0V - 2.0Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

Fitted with a maximum hydraulic pressure valve.

Weight and balance have been re-configured to yield improvements 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 enhance the tool's practicality.

Two batteries and charger included. Same charger of all our tools.

Operating temperature: +5 to +122°F

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

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

B-TC500ND-SCA

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum and Telecommunications cable having Ø max 2.1 in.

TECHNICAL FEATURES

Max cutting Ø in.	2.1
Dimensions in.	
Length	20.7
Height	6.0
Width	3.2
Battery	18.0V 2.0Ah
Weight lbs (with Battery)	8.6

STORAGE

Type	VAL-P59
Dimensions in. L x W x H	24.4 x 14.2 x 5.4
Weight lbs.	5.3
Supplied with the tool	✓
Purchase separately	-



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

B-TC500ND-SCA is a new generation of hand-held cordless tools, characterised by a "Bilinear" mechanical design.

B-TC500ND-SCA is specifically designed to cut Copper, Aluminum and telecommunication cable having a max overall diameter of 2.1".

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18.0V - 2.0Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 180 de-



NEW

Ø 2.1 in.

Li-Ion
18.0V

SPEED

SPECIAL

180°

BATTERY
DISPLAY

PROTECTED

ONE HAND

MAX
PRESSURE

RELEASE

SILENT

SMOOTH

ERGONOMIC

BALANCED

LED
LIGHTING

BI-COMPONENT

ENERGY
SAVE

DURABLE

200k

+5°F
+122°F

CE

grees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

Fitted with a maximum hydraulic pressure valve.

Weight and balance have been re-configured to yield improvements 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 enhance the tool's practicality.

Two batteries and charger included. Same charger of all our tools.

Operating temperature: +5 to +122°F

B-TC500A

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum and Telecommunications cable having max overall diameter of 2"



Not suitable for cutting steel reinforced conductors

TECHNICAL FEATURES

Max cutting Ø in.	up to 2
Dimensions in.	
Length	15.9
Height	15.6
Width	3.3
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	12.7

STORAGE

Type	VAL-P40
Dimensions in. L x W x H	20.5 x 17.0 x 5.0
Weight lbs.	5.7
Supplied with the tool	✓
Purchase separately	-



Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut copper, aluminum and telecommunication cables having a max overall diameter of 2". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. The head can rotate through 90 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables. Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-TC500A is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Two batteries and AC charger (110-115V) included. Same charger of all our tools. Operating temperature: +5 to +122°F

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and accessories

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

B-TC650A

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum and telecommunication cables having a max overall diameter of 2-9/16"



TECHNICAL FEATURES

Max cutting Ø in.	up to 2-9/16
Dimensions in.	
Length	16.9
Height	16.3
Width	3.3
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	14.1



STORAGE

Type	VAL-P40
Dimensions in. L x W x H	20.5 x 17.0 x 5.0
Weight lbs.	5.7
Supplied with the tool	✓
Purchase separately	-



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and accessories

Next generation of 18.0 V cordless hydraulic cutting tool. Specifically designed to cut copper, aluminum and telecommunication cables having a max overall diameter of 2-9/16". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life.

New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. The head can rotate through 335 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables. Fitted with a maximum hydraulic pressure valve.

Designed with improved balance, B-TC650A is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Two batteries and AC charger (110-115V) included. Same charger of all our tools. Operating temperature: +5 to +122°F

- Ø 2-9/16 in.
- Li-Ion 18.0V
- SPEED
- HEAD OPENING
- SPECIAL
- 335°
- BATTERY DISPLAY
- PROTECTED
- ONE HAND
- MAX PRESSURE
- RELEASE
- SILENT
- SMOOTH
- ERGONOMIC
- BALANCED
- LED LIGHTING
- BI-COMPONENT
- ENERGY SAVE
- DURABLE
- 200k
- +5°F
- +122°F
- CE

Not suitable for cutting steel reinforced conductors

B-TC650-SCA

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum and Telecommunications cable having a max overall diameter of 2-9/16"



TECHNICAL FEATURES

Max cutting Ø in.	up to 2-9/16
Dimensions in.	
Length	19.8
Height	18.3
Width	4.1
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	16.9

Not suitable for cutting steel reinforced conductors

STORAGE

Type	VAL-B-TC950
Dimensions in. L x W x H	22.2 x 16.1 x 5.2
Weight lbs.	14.7
Supplied with the tool	✓
Purchase separately	-

Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut Copper, Aluminum and telecommunication cables having a max overall diameter of 2-9/16". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. The open head and the "scissor" movement of the blades facilitate the cutting of running cables. New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables. Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-TC650-SCA is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Two batteries and AC charger (110-115V) included. Same charger of all our tools. Operating temperature: +5 to +122°F



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Metal carrying case suitable for storing the tool and accessories

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

B-TC950A

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum and Telecommunications cable having a max overall diameter of 3-3/4"



Ø 3-3/4 in.	Li-Ion 18.0V	SPEED
HEAD OPENING	SPECIAL	335°
BATTERY DISPLAY	PROTECTED	ONE HAND
MAX PRESSURE	RELEASE	SILENT
SMOOTH	ERGONOMIC	BALANCED
LED LIGHTING	BI-COMPONENT	ENERGY SAVE
DURABLE	200k	+5°F to +122°F

TECHNICAL FEATURES

Max cutting Ø in.	up to 3-3/4
Dimensions in.	
Length	20.4
Height	18.4
Width	3.3
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	17.1

Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut Copper, Aluminum and telecommunication cables having a max overall diameter of 3-3/4".

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 335 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

Fitted with a maximum hydraulic pressure valve.

Designed with improved balance, B-TC950A is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

Two batteries and AC charger (110-115V) included. Same charger of all our tools.

Operating temperature: +5 to +122°F

Not suitable for cutting steel reinforced conductors

STORAGE

Type	VAL-B-TC950
Dimensions in. L x W x H	22.2 x 16.1 x 5.2
Weight lbs.	14.7
Supplied with the tool	✓
Purchase separately	-



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Metal carrying case suitable for storing the tool and accessories

B-TC4500A

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, Aldrey, Aluminum, Aluminum-Steel cables and Steel ropes, Aluminum and Steel rods having Ø max 1-3/4"



TECHNICAL FEATURES

Max cutting Ø in.	1-3/4
Dimensions in.	
Length	19.1
Height	9.4
Width	4.0
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	14.1

STORAGE

Type	VAL-P54
Dimensions in. L x W x H	27.2 x 17.5 x 7.0
Weight lbs.	12.1
Supplied with the tool	✓
Purchase separately	-



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Plastic carrying case suitable for storing the tool and accessories



Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut copper, aluminum, aluminum-steel cables and steel ropes, aluminum and steel rods having a max overall diameter of 1-3/4". The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater cutting speed and cutting force result from a revitalised hydraulic system with double speed action. The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button. The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-TC4500A is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Two batteries and AC charger (110-115V) included. Same charger of all our tools. Operating temperature: +5 to +122°F

CUTTING CAPACITY

	MATERIAL	TENSILE STRENGTH (lbs./sq.in.)	MAX CUTTING DIAMETER (in.)
			B-TC4500A
ROPE & CONDUCTORS	Copper	≤ 59,450	1-3/4"
	Aluminum	≤ 29,000	1-3/4"
	Almelec	≤ 49,300	1-3/4"
	Steel	≤ 261,000	INDICATIVE EXAMPLES: 7 x 0.118 = Ø out. 0.354 19 x 0.083 = Ø out. 0.413 19 x 0.091 = Ø out. 0.453
	MULTI STRANDS Steel (STRANDS Qty ≥ 200)	≤ 261,000	0.709
	ACSR	≤ 261,000	1-3/4" INDICATIVE EXAMPLES: 26 x 0.098 + 7 x 0.077 : Ø out. = 0.624 26 x 0.120 + 7 x 0.094 : Ø out. = 0.763 26 x 0.142 + 7 x 0.110 : Ø out. = 0.897 54 x 0.138 + 19 x 0.082 : Ø out. = 1.240 54 x 0.172 + 19 x 0.103 : Ø out. = 1.543
RODS	Steel	≤ 87,000	0.709
		≤ 60,900	0.787
	Copper	≤ 43,000	1.181
	Aluminum	≤ 36,250	1.260

18.0 V Cordless hydraulic Frame-Type hole punching tool

B-FC470A

general features

MAIN APPLICATIONS

specifically designed to punching holes from 0.61 up to 1.858 in. diameter

TECHNICAL FEATURES

Max hole punch Ø in.	1.858
Max centre of hole to edge of trunking in.	2.11
Dimensions in.	
Length	14.9
Height	13.6
Width	3.3
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	13.6

STORAGE

Type	VAL-FC470
Dimensions in. L x P	22.0 x 18.1 x 5.2
Weight lbs.	14.7
Supplied with the tool	✓
Purchase separately	-



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Metal carrying case suitable for storing the tool and accessories

Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to punching holes from 0.61 up to 1.858 in. diameter in the side wall of trunking without the need for pre drilling.

New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater punch speed and punching force result from a revitalised hydraulic system with double speed action.

The battery is equipped with led indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The head can rotate through 180 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

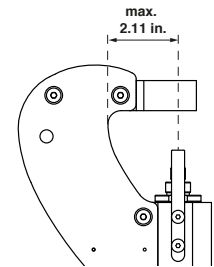
Fitted with a maximum hydraulic pressure valve.

Designed with improved balance, B-FC470A is easily manageable during the punching process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

Two batteries and AC charger (110-115V) included. Same charger of all our tools.

Operating temperature: +5 to +122°F. Also available in the hand operated mechanical version MT-FC48N (see page 132).



Max centre of hole to edge of trunking: 2.11 in.

Table denoting the punch/die set reference, for each hole size. Suitable for punching holes in mild steel, fiberglass or plastic material, up to 0.08 in thick.

Hole Dimensions					Maximum thickness of mild Steel (in.)	Type
Nominal		Pg	ISO	Inch		
Ø (mm)	Ø (inch)				0.08	RD15.5SS-FC
15,5	.610	Pg9	-	-		RD16.2SS-FC
16,2	.638	-	ISO-16	-		RD17.5SS-FC
17,5	.689	-	-	-		RD18.8SS-FC
18,8	.740	Pg11	-	-		RD19.1SS
19,1	.752	-	-	-		RD20.5SS
20,5	.807	Pg13,5	ISO-20	-		RD22.6SS
22,6	.890	Pg16	-	-		RD23.8SS
23,8	.937	-	-	5/8"		RD25.4SS
25,4	1.000	-	ISO-25	-		RD27.5SS
27,0	1.063	-	-	3/4"		RD28.5SS
28,5	1.122	Pg21	-	-		RD30.5SS
30,5	1.201	-	-	7/8"		RD31.8SS
31,8	1.252	-	-	-		RD32.5SS
32,5	1.279	-	ISO-32	-		RD34.6SS
34,6	1.362	-	-	-		RD37.2SS
37,2	1.464	Pg29	-	-		RD38.1SS
38,1	1.500	-	-	-		RD40.5SS-FC
40,5	1.594	-	ISO-40	-		RD41.3SS-FC
41,3	1.626	-	-	-		RD42.5SS-FC
42,5	1.673	-	-	1 1/4"	RD43.2SS-FC	
43,2	1.701	-	-	-	RD44.5SS-FC	
44,5	1.752	-	-	-	RD47.2SS-FC	
47,2	1.858	Pg36	-	-		

general features

MAIN APPLICATIONS

specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 0.14 in. thickness



B-FL750NDA is a new generation of hand-held cordless tools, characterised by a "Bilinear" mechanical design. B-FL750NDA is specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 0.14 in. thickness.

New Li-Ion 18 V 2 Ah batteries offer a higher capacity, while greater punch speed and punching force result from a revitalised hydraulic system with double speed action.

The battery is equipped with LED indicators that indicate the remaining battery life at any time by pressing the adjacent button. The balanced punching head pivots 180deg through a full 360deg rotation for ease of use in confined spaces. Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-FL750NDA is easily manageable during the punching process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Operating temperature: +5 to +122°F

TECHNICAL FEATURES

Max Punching Ø in.	5.5
Dimensions in.	
Length	18.7
Height	5.3
Width	3.2
Battery	18.0V 2.0Ah
Weight lbs. (with Battery)	9.0

The tool is supplied as:

- Basic tool with battery, wrist strap and Spare battery
- AC charger (110-115V), USB cable
- Pullers TD-11 and TD-19
- Spiral bit Ø 0.45 in.
- Plastic carrying case suitable for storing the tool and accessories



STORAGE

Type	VAL-P57
Dimensions in. L x W x H	24.4 x 14.2 x 5.4
Weight lbs.	5.3
Supplied with the tool	✓
Purchase separately	-

B-FL750NDA and B-FL750A Punching accessories

Round punch

Hole diameter				Material max thickness (in.)		Pilot hole Ø (in.)	Type	
Nominal Ø (mm)	Ø (inch)	Pg	ISO	Stainless Steel	Mild Steel		KIT (Punch + Die)	Puller
15.5	.610	Pg9	-	0.1 in. (2.5 mm) Rm= 700 N/mm ²	0.14 in. (3.5 mm) Rm= 510 N/mm ²	0.45	RD15.5SS	TD-11
16.2	.638	-	ISO-16				RD16.2SS	
17.0	.669	-	G3/8"				RD17.5SS	
17.5	.689	-	-				RD17.5SS	
18.8	.740	Pg11	-				RD18.8SS	
19.1	.752	-	-				RD19.1SS	
20.5	.807	Pg 13.5	ISO-20				RD20.5SS	
21.5	.846	-	G1/2"				RD21.5SS	
22.6	.890	Pg16	-				RD22.6SS	
23.8	.937	-	G5/8"				RD23.8SS	
25.4	1.000	-	ISO-25			RD25.4SS		
27.0	1.063	-	G3/4"			RD27.5SS		
28.5	1.122	Pg21	-			RD28.5SS		
30.5	1.201	-	G7/8"			RD30.5SS		
28.5	1.122	Pg 21	-			RD28.5SS-19	0.79	TD-19
30.5	1.201	-	G7/8"			RD30.5SS-19		
31.8	1.252	-	-			RD31.8SS		
32.5	1.279	-	ISO-32			RD32.5SS		
34.0	1.338	-	G1"			RD34.5SS		
34.6	1.362	-	-			RD34.6SS		
37.2	1.464	Pg29	-	RD37.2SS				
38.1	1.500	-	-	RD38.1SS				
38.5	1.515	-	G1 1/8"	RD38.5SS				
40.5	1.594	-	ISO-40	RD40.5SS				
41.3	1.626	-	-	RD41.3SS				
42.5	1.673	-	G1 1/4"	RD42.5SS				
43.2	1.701	-	-	RD43.2SS				
44.5	1.752	-	-	RD44.5SS				
47.2	1.858	Pg36	-	RD47.2SS				
48.5	1.909	-	G1 1/2"	RD48.5SS				
50.5	1.988	-	ISO-50	RD50.5SS				
51.4	2.023	-	-	RD51.4SS				
52.4	2.063	-	-	RD52.4SS				
54.2	2.134	Pg42	G1 3/4"	RD54.2SS				
60.0	2.362	Pg48	G2"	RD60.0SS				
60.5	2.381	-	-	RD60.5SS				
64.0	2.520	-	ISO-63	RD64.0SS				
65.0	2.559	-	-	RD65.0SS				
76.0	2.992	-	G2 1/2"	RD76.0SS				
76.5	3.011	-	-	RD76.5SS				
80.5	3.169	-	-	RD80.5SS				
89.0	3.503	-	G3"	RD89.0SS				
90.0	3.543	-	-	RD90.0SS				

Round punch

Hole diameter				Material max thickness (in.)		Pilot hole Ø (in.)	Type	
Nominal Ø (mm)	Ø (inch)	Pg	ISO	Stainless Steel	Mild Steel		KIT (Punch + Die)	Puller
100.0	3.937	-	-	0.08	0.12	1.14	RD100SS	TD-28.5*
102.0	4.015	-	-	0.08	0.12		RD102SS	
114.0	4.488	-	-	0.08	0.10		RD114SS	
120.0	4.724	-	-	0.06	0.08		RD120SS	
140.0	5.512	-	-	0.06	0.08		RD140SS	

* Puller included in the kit

Square punch

Hole diameter			Material max thickness (in.)		Pilot hole Ø (in.)	Type	
(mm)	(inch)		Stainless Steel	Mild Steel		KIT (Punch+die + Puller)	
21.0 x 21.0	.827 x .827	0.10	0.14	0.47	RD21X21	0.65	
46.0 x 46.0	1.811 x 1.811	0.06	0.08	1.04	RD46X46		
68.0 x 68.0	2.677 x 2.677			RD68X68			
92.0 x 92.0	3.622 x 3.622	RD92X92					
126.0 x 126.0	4.960 x 4.960	0.04	0.06	1.12	RD126X126		
138.0 x 138.0	5.433 x 5.433				RD138X138		
220.0 x 220.0	8.661 x 8.661				RD220X220		
224.0 x 224.0	8.818 x 8.818				RD224X224		

Rectangular punch

Hole diameter			Material max thickness (in.)		Pilot hole Ø (in.)	Type	
(mm)	(inch)		Acciaio Inox	Acciaio dolce		KIT (Punch+die + Puller)	
18,0 x 46,0	.709 x 1.811	0.08	0.08	0.65	1.04	RD18X46	
22,0 x 30,0	.866 x 1.181					RD22X30	
22,0 x 46,0	.866 x 1.811					RD22X46	
29,0 x 71,0	1.141 x 2.795					RD29X71	
35,0 x 65,0	1.377 x 2.559					RD35X65	
35,0 x 86,0	1.377 x 3.385					RD35X86	
35,0 x 112,0	1.377 x 4.409					RD35X112	
36,0 x 46,0	1.417 x 1.811					RD36X46	
37,0 x 54,0	1.456 x 2.125					RD37X54	
37,0 x 67,0	1.456 x 2.637					RD37X67	
37,0 x 88,0	1.456 x 3.464	RD37X88					
37,0 x 104,0	1.456 x 4.094	RD37X104					
37,0 x 115,0	1.456 x 4.527	RD37X115					
46,0 x 54,0	1.811 x 2.126	0.06	0.06	1.12	RD46X54		
46,0 x 72,0	1.811 x 2.835				RD46X72		
46,0 x 92,0	1.811 x 3.622				RD46X92		
46,0 x 107,0	1.811 x 4.212				RD46X107		
50,0 x 98,0	1.968 x 3.858				RD50X98		
67,0 x 126,0	2.637 x 4.960				RD67X126		
72,0 x 136,0	2.834 x 5.354				RD72X136		

Stainless Steel = Rm= 700 N/mm² - Mild Steel = Rm= 500 N/mm²

18.0 V Cordless hydraulic Puller-Type hole punching tool

B-FL750A

general features

MAIN APPLICATIONS

specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 0.14 in. thickness

TECHNICAL FEATURES

Max Punching Ø in.	5.5
Dimensions in.	
Length	14.3
Height	14.4
Width	3.3
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	11.2

STORAGE

Type	VAL-P56
Dimensions in. L x W x H	27.1 x 17.5 x 7.0
Weight lbs.	12.1
Supplied with the tool	✓
Purchase separately	-

Next generation of 18.0V cordless hydraulic tool specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 0.14 in. thickness.

New Li-Ion 18V - 5.2Ah batteries offer a higher capacity, while greater punch speed and punching force result from a revitalised hydraulic system with double speed action.

The battery is equipped with LED indicators that indicate the remaining battery life at any time by pressing the adjacent button.

The balanced punching head pivots 180deg through a full 360deg rotation for ease of use in confined spaces.



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- AC charger (110-115V)
- USB cable
- Puller TD-11
- Puller TD-19
- Spiral bit Ø 0.45 in.
- Plastic carrying case suitable for storing the tool and accessories



Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-FL750A is easily manageable during the punching process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Operating temperature: +5 to +122°F



B-FL750NDA and B-FL750A Punching accessories

"D" punch

Hole diameter	Material max thickness (in.)	Pilot hole Ø (in.)	Type
Nominal			KIT (Punch+die + Puller)
(mm)	(inch)		
(a)38.3 x (b)36.6	(a)1.507 x (b)1.442	0.10	
(a)43.1 x (b)41.5	(a)1.696 x (b)1.632	0.14	

Stainless Steel = Rm= 700 N/mm² - Mild Steel = Rm= 500 N/mm²

Use of non-Cembre punching accessories

Type	Punch & Die	Pilot hole Ø in.
TRD-9.4C (*)	GREENLEE 3/8" - 24 UNF	Ø 0.40
TRD-M11C (*)	BM, COSMEC (M11x1.5)	Ø 0.45
TD-M16C	BM, COSMEC (M16x1.5)	Ø 0.65
TD-27	BM, COSMEC (Ø105±Ø140)	Ø 1.10
TD-14X14-M14	BM, COSMEC 46x46	Ø 0.74
TD-120X20-M20	BM, COSMEC 92x92	Ø 1.10
TD-20X20-M20 (with plug)	BM, COSMEC 42x95	Ø 1.10
TGD-13.5X13.5-M13	BM, COSMEC 40x40; 45x45; 46x46 (M13)	Ø 0.74
TGD-10X10-M9	BM, COSMEC 006505	Ø 0.54
TD-9	IMB 9601	Ø 0.37
TD-16	IMB 9603	Ø 0.65
TD-10X10-M10 (with plug)	IMB 9623	Ø 0.57
TD-14X14-M14/1"	IMB 9625	Ø 0.77
TD-20 (without plug)	IMB 9626	Ø 1.10
TD-20X20-M20-C (with plug)	IMB 9626	Ø 1.10

(*) The washer supplied with the KIT must be threaded onto the draw stud and positioned between the head and the die to allow the die to rest correctly



Universal joint allows punching head to pivot 180deg over a full 360deg rotation.

MPC1

PRESSURE TEST DEVICE

for hydraulic pumps and tools



MPC1 device

The MPC1 device, complete with test adapter set, is used to measure the maximum oil pressure on all Cembre tools.

MPC2



MPC2 device

The MPC2 device, complete with test die set, to measure the maximum force developed by Cembre tools: HT131-C, HT131LN-C, HT120, HT120-KV, RHC131, RHC131-KV, RHC131LN, B131-CA, B131-CA-KV, B131LN-CA, B131LN-CA-KV, B135-CA, B135-CA-KV, B135LN-CA, B135LN-CA-KV.

MPC4



MPC4 device

The MPC4 device, complete with test die set, to measure the maximum force developed by Cembre tools: ECW-H3D, RHU240-3D-850, RHU300-3D

MPC7



MPC7 device

The MPC7 device, complete with test die set, to measure the maximum force developed by Cembre tools: HT45, HT51, HT51-KV, HT51L, HT51L-KV, RH50, HT61, RH61, B15Y (use adaptor available separately), B35-45A, B35-50A, B46, B51A, B51A-KV, B51LA, B51LA-KV, B54-Y., B55-Y., B55-Y.-KV, B62.



HYDRAULIC PUMPS AND UNITS

PO7000



Foot operated double speed pump, developing a maximum pressure of 10,000 psi. The pump is supplied with 10FT long high pressure flexible hose complete with female self-lock quick coupler. Pressure can be withdrawn at any time during operation by depressing the release lever. A solid shaped stand gives the pump stability during operation.

HYDRAULIC PUMP

foot operated

TECHNICAL FEATURES

Operating pressure psi	10,000
Dimensions in.	
Length	26.8
width	7.9
Height	6.4
Weight lbs.	21.6

STORAGE

Type	VAL-P21
Dimensions in. L x W x H	32.3 x 16.9 x 11.4
Weight lbs.	14.8
Supplied with the pump	✓
Purchase separately	-



CPP-0



The CPP-0 air hydraulic power unit intensifies an air supply of 87-115 psi (6÷8 bar) to a power crimping or cutting force of up to 10,000 psi (700 bar) depending upon the input pressure. The control pedal allows for advancing and pressure release at any stage of the operation. The unit is provided with a 6.5 FT high pressure flexible hose, including a 3/8" NPT female self-lock quick coupler.

HYDRAULIC PUMP

foot operated

TECHNICAL FEATURES

Operating pressure psi	10,000
Dimensions in.	
Length	12.2
width	5.9
Height	7.9
Weight lbs.	15.0



HYDRAULIC PUMP

powered by single-phase electric motor

CPE-1 CPE-1-110

TECHNICAL FEATURES

Operating pressure psi	10,000
Dimensions in.	
Length	14.6
width	8.8
Height	18.8
Weight lbs.	46.2

The pump is supplied with:

- high pressure flexible hose with male and female automatic quick coupler
- remote hand controller
- external supply connection cable

Technical details:

- Oil in the reservoir: 0.52 gallons
- Power of motor: 1,050 W
- Delivery of oil: 0.21 Gpm at no load



Electrically driven hydraulic pump, powered by a 110-115V / 50-60Hz single-phase electrical motor.

The remote hand controller allows advancement and pressure release on completion of the crimping operation.

The mechanically actuated emergency button located on the pump body, allows the pressure release at any time also in case of power shortage.

This model is IP 55 rated.

Available as optional accessories:

- Remote foot controller RCP-B70.
- Transportation trolley CS-CPE-1
- Control handle integrated with 3 m length flex hoses ERCH-WH

ERCH-WH



RCP-B70



CS-CPE-1



B1300PLA

PORTABLE ELECTRO-HYDRAULIC PUMP

battery operated



TECHNICAL FEATURES	
Operating pressure psi	10,000
Dimensions in.	
Length	13.9
width	4.0
Height	9.4
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	8.8

STORAGE	
Type	VAL-P51
Dimensions in. L x W x H	27.2 x 17.5 x 7.0
Weight lbs.	12.1
Supplied with the pump	✓
Purchase separately	-



New portable electro-hydraulic pump B1300PLA is battery operated for independent use. Having the inherent strengths of the Cembre 18V tool range the B1300PLA is a compact, lightweight pump suitable for a wide range of applications. New Li-Ion 18V - 5.2Ah batteries offer a high capacity, while improved operating speed results from a revitalised hydraulic system with double speed action. A security valve assures operator safety.

Designed with improved handling characteristics, B1300PLA is easily manageable during the operating process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area. Pressure can be released at any time using the appropriate button.

The B1300PL pump is supplied with:

- 35.4 in. flexible hose complete with male + female 3/8" NPT self-lock quick couplers.
- 18.0 V - 5.2 Ah Li-Ion high power battery
- AC charger (110-115V)
- Shoulder strap
- Plastic carrying case suitable for storing the tool and accessories, type VALP51

APPLICATION RANGE		
Crimping	Cutting	Punching
up to 12 tons heads	up to TC050	RH-FL75 RH-FC48N

PORTABLE ELECTRO-HYDRAULIC PUMP

B68M-P18A

battery operated

TECHNICAL FEATURES

Operating pressure psi	10,000
Dimensions in.	
Length	14.1
width	7.2
Height	9.2
Battery	18.0V 5.2Ah
Weight lbs. (with Battery)	12.0

STORAGE

Type	CVB-031
Dimensions in. L x W x H	24.4 x 11.8 x 12.6
Weight lbs.	5.3
Supplied with the pump	✓
Purchase separately	-



The B68M-P18A pump is supplied with:

- Remote control provides LED working lights and an OLED display
- 6.5 FT flexible hose complete with rotatable Q14-F quick coupler on the pump and female 3/8" NPT self-lock quick couplers
- 18.0 V - 5.2 Ah Li-Ion high power battery (2 pcs.)
- Canvas bag suitable for storing the tool and accessories
- AC charger (110-115V)
- Shoulder strap



APPLICATION RANGE

Crimping	Cutting	Punching
up to 25 tons heads	up to TC120	RH-FL75 RH-FC48N

Example of operating information on OLED display:



Operating mode



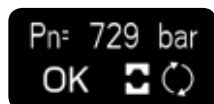
Battery level



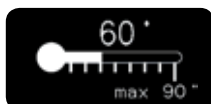
Release mode



No. of cycles



Pressure mode



Motor temperature



New portable electro-hydraulic pump B68M-P18A is battery operated for independent use.

Having the inherent strengths of the Cembre 18V tool range, the B68M-P18A is a lightweight high capacity pump equipped with an innovative remote control suitable for a wide range of applications.

New Li-Ion 18V - 5.2Ah batteries offer a high capacity, while improved operating speed results from a revitalised hydraulic system with double speed action.

A maximum pressure sensor assures greater precision and repeatability of the pressure cycle, while a security valve doubles the provision for operator safety.

The unit has a manual pressure release button in case of emergency. Easy access to the oil reservoir is by means of an oil top-up inlet.



The innovative remote control provides LED working lights and an OLED display of essential real time tool operating information including:

- Operating mode selection
- Release mode selection: Smart release, manual release
- Minimum set pressure and momentary pressure reached expressed in bar allows verification of correct operation
- Battery charge level
- No. of cycles performed
- No. of cycles before scheduled recommended maintenance
- Motor temperature

Designed with improved handling characteristics, B68M-P18A is easily manageable during the operating process and has a fibreglass-plastic shell with high resistance to wear and damage.

The pump features a rubber pocket to store and protect the remote control.

Low noise levels aid operator comfort while additional convenience and safety are provided by LED lighting on the remote control.

Selecting the SMART release mode on the OLED display allows the operating pressure to be maintained until the operating button is released, thus allowing the operator to make a visual check of, say, the crimped connection.

Releasing the button then automatically releases the pressure.

Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface located under the battery.

PORTABLE ELECTRO-HYDRAULIC PUMPS B70M-P36A RANGE

battery operated



Easily accessible oil top-up inlet



Toggle button for direct operation via the pump



Remote electrical hand or foot controller connection



High pressure hose connects to automatic self-lock quick coupling with protective cap



Automatic battery connection system



OLED multifunctional display



Smart Logo



Manual pressure release button



Pump on (constant) In action (pulse) End of cycle Cycle error Anomaly Maintenance

New generation pump B70M-P36A is powered by an all new 36.0V 6.2Ah Li-Ion high capacity rechargeable battery providing independence and portability.

Fitted with a electronic pressure sensor (EPS) for enhanced precision and repeatability of the maximum pressure cycle, and a pressure relief valve providing additional safety for the operator. These units feature the Smart Release system which automatically retracts the ram at the end of the operating cycle.

The manual toggle button can be used to operate and release the pressure directly from the pump (disabled when the remote control is used for safety reasons). Oil top-up inlet for easy access to the oil reservoir.

Extremely compact and suitable for a wide range range of applications.

The Cembre logo acts as an indicator by changing colour to provide the operator with instantaneous visual confirmation of the pumps status, such as; pump ready, pump in use, end of cycle, cycle error, anomaly, maintenance required.

The new ergonomic design allows the pump to be handled easily during use.

The rigid structure of the plastic

body ensures adequate mechanical protection and sealing gaskets guarantees IP44M protection. The ergonomically designed handle helps to increase operator comfort when moving the pump.

Quieter operation, and the absence of vibrations ensure maximum operator comfort. Equipped with a 10 ft. long high pressure hose complete with a male quick coupling on the pump and a self-locking female quick coupling.

The pressure can be released at any time using the pressure release button. The unit features an OLED display to provide essential real time tool operating information including:

- Operating mode selection (cutting, crimping or piercing)
- Release mode selection (Smart release, manual release)
- Minimum set pressure and snapshot pressure reached in bar/psi to allow verification of correct operation
- Battery charge level
- No. of cycles performed
- No. of cycles before scheduled recommended maintenance
- Motor temperature
- Operational command (hand controller or manual on the pump)

Can be used in vertical or horizontal position



PORTABLE ELECTRO-HYDRAULIC PUMP

B70M-P36A

battery operated

B70M-P36A

- 1 Portable electro-hydraulic pump, 36V dc battery for independent use, developing 10,000 psi pressure
- 2 CB 3662L Battery 36 V - 6,2 Ah Li-Ion
- 3 ASC-ULTRA-USA/CAN External battery charger
- 4 USB cable
- 5 Shoulder strap
- 6 CVB-037 Canvas rucksack for carrying accessories
- 7 10 ft. flexible hose complete with male + female 3/8" NPT self-lock quick couplers
- 8 ERCH Remote control



TECHNICAL FEATURES

Operating pressure psi	10,000
Dimensions in.	
Length	15.9
width	6.3
Height	12.9
Battery	36V 6.2Ah
Weight lbs. (with Battery)	22.0*

*without accessories

PORTABLE ELECTRO-HYDRAULIC PUMP

B70M-P36A-CH

battery operated

B70M-P36A-CH

- 1 Portable electro-hydraulic pump, 36V dc battery for independent use, developing 10,000 psi pressure
- 2 CB 3662L Battery 36 V - 6,2 Ah Li-Ion
- 3 ASC-ULTRA-USA/CAN External battery charger
- 4 USB cable
- 5 Shoulder strap
- 6 CVB-037 Canvas rucksack for carrying accessories
- 9 ERCH-WH Remote hand controller integrated with 10 ft. length flexible hose complete with male + female 3/8" NPT self-lock quick couplers



TECHNICAL FEATURES

Operating pressure psi	10,000
Dimensions in.	
Length	15.9
width	6.3
Height	12.9
Battery	36V 6.2Ah
Weight lbs. (with Battery)	22.0*

*without accessories

Variously supplied with different versions:



ACCESSORIES FOR B70M-P36A

purchase separately

TRS-B70
Canvas rucksack
(for carrying the pump)



ERCH-WH
Remote hand controller integrated
with 10 ft. length flexible hose



VAL-P18
Durable transport case for pump
and accessories.



SH-B70
Hook for hanging the pump
from a ladder



RCP-B70
Portable remote foot control



HYDRAULIC UNIT

pump PO7000 + head RHC131

MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250MCM	300MCM	350MCM	400MCM	500MCM	600MCM	800MCM	1000MCM	1250MCM	1500MCM	2000MCM	
Copper lugs																						
Copper splices																						
"C" sleeve Connectors																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244

TECHNICAL FEATURES

Crimping force tons	12
Dimensions in.	
Dimensions pump L x W x H	26.8 x 7.9 x 6.4
Dimensions head L x H	9.13 x 4.88
Weight unit kg	30.0

STORAGE

Type	VAL-P21*
Dimensions in. L x W x H	32.3 x 16.9 x 11.4
Weight lbs.	14.8
Supplied with the unit	✓

*Supplied with the unit, suitable for storage of 24 semi-circular slotted dies



HYDRAULIC UNIT

pump PO7000 + head RHU131-C

MAIN APPLICATIONS - max section AWG

Section AWG	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	250MCM	300MCM	350MCM	400MCM	500MCM	600MCM	800MCM	1000MCM	1250MCM	1500MCM	2000MCM	
Copper lugs and splices																						
Aluminum lugs and splices																						
"C" sleeve Connectors																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244

TECHNICAL FEATURES

Crimping force tons	12
Dimensions in.	
Dimensions pump L x W x H	26.8 x 7.9 x 6.4
Dimensions head L x H	9.65 x 3.5
Weight unit kg	29.7

STORAGE

Type	VAL-P21*
Dimensions in. L x W x H	32.3 x 16.9 x 11.4
Weight lbs.	14.8
Supplied with the unit	✓

*Supplied with the unit, suitable for storage of 24 semi-circular slotted dies and accessories for crimping Aluminium connectors



CPU1131-C

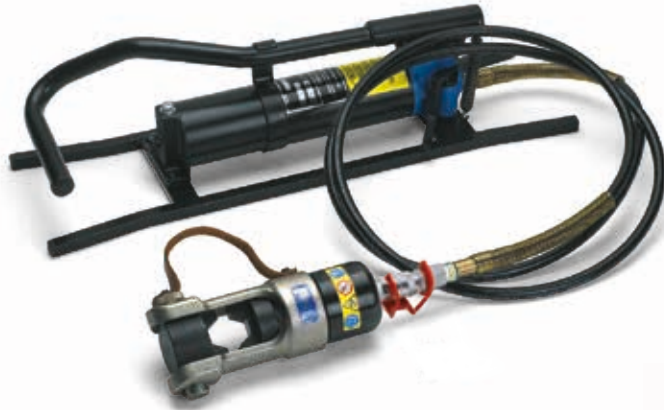
pump PO7000 + head ECW-H3D



MAIN APPLICATIONS - max section AWG

Section AWG	22÷16	16÷14	12÷10	8	6	4	2	1/0	2/0	3/0	250MCM	300MCM	350MCM	400MCM	500MCM	600MCM	800MCM	1000MCM	1250MCM	1500MCM	2000MCM	
L.V. lugs and splices																						
Insulated terminals																						
"C" sleeve Connectors																						
H.V. lugs and splices																						

These tools are supplied without dies. For die selection, please refer to chart on pages 230 to 244



TECHNICAL FEATURES

Crimping force tons	25
Dimensions in.	
Dimensions pump L x W x H	26.8 x 7.9 x 6.4
Dimensions head L x H	12.4 x 4.7
Weight unit kg	33.7

STORAGE

Type	VAL-P21*
Dimensions in. L x W x H	32.3 x 16.9 x 11.4
Weight lbs.	14.8
Supplied with the unit	✓

*Supplied with the unit, suitable for storage of 24 semi-circular slotted dies and adaptors and dies specific for head ECW-H3D



HYDRAULIC CUTTING UNIT

CP1096

pump PO7000 + head TC096

TECHNICAL FEATURES

Max cutting Ø in.	up to 3-3/4
Dimensions in.	
Dimensions pump L x W x H	26.8 x 7.9 x 6.4
Dimensions head L x H	15.6 x 9.8
Weight unit kg	39.0

STORAGE

Type	VAL-CP096
Dimensions in. L x W x H	30.9 x 16.9 x 6.9
Weight lbs.	22.0
Supplied with the unit	✓



HYDRAULIC CUTTING UNIT

CP1120

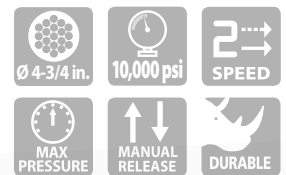
pump PO7000 + head TC120

TECHNICAL FEATURES

Max cutting Ø in.	up to 4-3/4
Dimensions in.	
Dimensions pump L x W x H	26.8 x 7.9 x 6.4
Dimensions head L x H	21.1 x 6.9
Weight unit kg	42.5

STORAGE

Type	VAL-22-TC120
Dimensions in. L x W x H	30.1 x 12.0 x 7.5
Weight lbs.	18.3
Supplied with the unit	✓



TF

Flexible hoses

High pressure flexible hoses for joining hydraulic heads to pumps. In addition to the standard versions listed below alternative hose lengths are available, upon request:



TF300-Q38FM

10 ft. length flexible hose fitted with an automatic female quick coupler and a male quick coupler.

TF600-Q38FM

20 ft. length flexible hose fitted with an automatic female quick coupler and a 3/8" NPT male threaded bush.

TF300-Q38F

10 ft. length flexible hose equipped with automatic female quick coupler at one end and male threading at the other end.

Q-M Q-F

Quick couplers

standard version



Q14-MS

Q14-MS

Male automatic coupler for hydraulic heads (1/4" NPT).



Q38-F

Q38-F

Female automatic coupler with safety ring for hydraulic pumps and flexible hoses (3/8" NPT).



Q38-MS

Q38-MS

Male automatic coupler for flexible hoses (3/8" NPT).

RB-M RB-F

insulated version



RB38-M

RB38-M

Screw type male (Ball Type) quick coupler 3/8"



RB38-F

RB38-F

Screw type female (Ball Type) quick coupler 3/8"