



Cembre



Certified Quality
Management System



Certified Environmental
Management System



Certified Occupational
Health & Safety
Management System

GENERAL CATALOGUE



QUALITY POLICY AND OBJECTIVES



This catalogue illustrates the range of our standard products.

For each product family we indicate the principal features, and sometimes the most frequent applications and the necessary guidelines for a correct application. Our sales personnel are at your disposal to supply more detailed information and our design and development engineers are available to study new solutions to particular applications.



All Cembre products comply with Directive 2011/65/EU of the European Parliament and Council dated 8 June 2011 (and subsequent amendment).

On 14th December 1990 Cembre SpA Quality Management System was certified by Lloyd's Register of Quality Assurance (LRQA) according to ISO 9002:1987 EN 29002 - 1987 BS 5750: Part 2: 1987 for the manufacture of insulated and uninsulated copper crimping connectors.

Then on 22nd December 1992 Cembre SpA was certified ISO 9001 for the design and manufacture of cable accessories, electrical connectors and associated tools. The activities of the main premises in Brescia, the Italian regional offices and the subsidiary companies in Great Britain, France, Spain, Germany and USA are governed by a single Quality System, assessed by Lloyd's Register of Quality as conforming to the ISO 9001:2015 norm, for the design, manufacture and sales of electrical connectors and associated tools, cable accessories, marking systems, toolings and products for railway applications. Tools for pressed joints for water, gas, steam, waste and HVAC and related accessories. In house repair, refurbishment and calibration of toolings.

This guarantees a homogeneous and high quality level of the products and services that Cembre offers to its customers.

Cembre S.p.A. has recently recognised the need to align its Environmental Management System with the spirit and content of UNI EN ISO 14001 as fundamental to future development.

To achieve this aim the Company undertook a demanding project to assess and evaluate all company functions and processes; from the development and design stage, to raw material selection and finally, the production process itself. We have reached a new phase in this project as Cembre Ltd, a subsidiary company based in Great Britain, and the second production site of the Cembre Group, have recently achieved certification of their Environmental Management System according to ISO 14001:2015.

Cembre S.p.A. has recently enhanced its business processes with the certification by Lloyd's Register of Quality Assurance, of its Management System for the Health and Safety of Workers, in

accordance with the standard OHSAS18001:2012 (Occupational Health and Safety Management System).

The project, launched in early 2011, was strategically designed to facilitate the active participation of all employees at every level in the application of systems management, in order to optimise compliance of risk management capability with regard to laws and regulations concerning the health and safety of workers. All employees have received exhaustive training and are involved, by exercising their individual responsibility and competence, as key players in the identification of residual risk situations and the proposal of corrective solutions.

For Cembre then, this certification is not only the proper recognition of the quality of work performed, but also an incentive to maintain a determined competitive advantage in increasingly difficult and aggressive international markets.



Cembre S.p.A. factory in Brescia (ITALY)
covers an area of approximately 121.000 sqm

Cembre Ltd.
factory in Curdworth (Birmingham)



Production
Units




















HYDRAULIC CRIMPING TOOLS AND CUTTERS



symbol description

hydraulic crimping tools and cutters

	Crimping force kN		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



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



general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630	800	1000
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 206 to 220

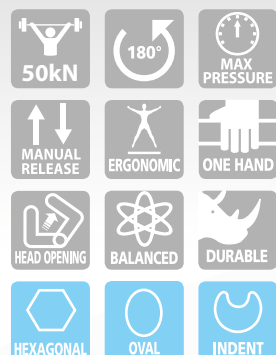
TECHNICAL FEATURES

Crimping force kN	50
Dimensions mm	
Length	346
Width	130
Weight kg	2,0

STORAGE

Type	VAL-P1*
Dimensions mm L x W x H	445 x 290 x 95
Weight kg	1,2
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.



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

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



HYDRAULIC CRIMPING TOOL

HT51

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
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 206 to 220

STORAGE

Type	VAL-P1*
Dimensions mm L x W x H	445 x 290 x 95
Weight kg	1,2
Supplied with the tool	✓
Purchase separately	-

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

TECHNICAL FEATURES

Crimping force kN	50
Dimensions mm	
Length	380
Width	130
Weight kg	2,7



HT 51-KV version also available for Power Supply Companies

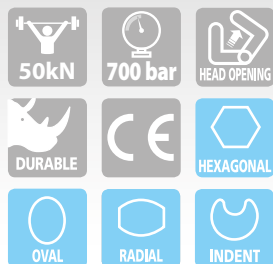


New design two speed hydraulic tool, lightweight and compact, this tool is ideal for working in confined spaces.

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 release system can easily be operated at any stage of the compression.

RH50



Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200). RH50 is suitable for installing the same range of connectors as HT51.

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
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 206 to 220

TECHNICAL FEATURES

Crimping force kN	50
Max operating pressure bar	700
Dimensions mm	
Length	195
Width	75
Weight kg	1,6

STORAGE

Type	VAL-P1*
Dimensions mm L x W x H	445 x 290 x 95
Weight kg	1,2
Supplied with the tool	✓
Purchase separately	-

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



STORAGE

Type	CVB-007
Dimensions mm L x W	350 x 105
Weight kg	0,13
Supplied with the tool	-
Purchase separately	✓



RHM50



Hydraulic presshead complete with quick automatic coupler for connection to hydraulic pump with working pressure of 700 bar max, (see page 194-200). RHM50 is suitable for installing the same range of connectors as RH50.

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
L.V. lugs and splices																					
Insulated terminals																					
End sleeves																					

These tools are supplied without dies. For die selection, please refer to chart on pages 206 to 220

TECHNICAL FEATURES

Crimping force kN	50
Max operating pressure bar	700
Dimensions mm	
Length	195
Width	75
Weight kg	1,6

STORAGE

Type	VAL-P1*
Dimensions mm L x W x H	445 x 290 x 95
Weight kg	1,2
Supplied with the tool	✓
Purchase separately	-

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



STORAGE

Type	CVB-007
Dimensions mm L x W	350 x 105
Weight kg	0,13
Supplied with the tool	-
Purchase separately	✓



HYDRAULIC CRIMPING TOOL

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	100	120	150	185	200	240	300	400	500	630	800	1000
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 206 to 220

STORAGE

Type	VAL-P3*
Dimensions mm L x W x H	620 x 380 x 135
Weight kg	2,5
Supplied with the tool	✓
Purchase separately	-

* Suitable for storage of the tool and three VAL-75

STORAGE

Type	VAL-75*
Dimensions mm L x W x H	270 x 80 x 30
Weight kg	0,15
Supplied with the tool	-
Purchase separately	✓

* Suitable for storing five sets of dies



TECHNICAL FEATURES

Crimping force kN	80
Dimensions mm	
Length	485
Width	141
Weight kg	3,4

This lightweight and self contained tool, features a patented closure and release mechanism for the die locking pin.

A wide range of connectors can be crimped with a small number of die sets due to their unique, double groove styling.

Dies for cutting Copper, Aluminum, Aldrey and Aluminum-steel, are also available (see table below).

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 releasing system can easily be operated at any stage of the compression.



HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	100	120	150	185	200	240	300	400	500	630	800	1000
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 206 to 220

TECHNICAL FEATURES

Crimping force kN	80
Max operating pressure bar	700
Dimensions mm	
Length	235
Width	91
Weight kg	1,9

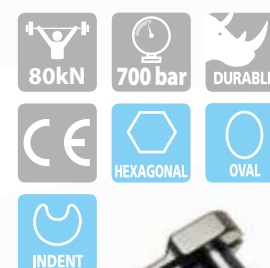
STORAGE

Type	CVB-007
Dimensions mm L x W	350 x 105
Weight kg	0,13
Supplied with the tool	✓
Purchase separately	-

HT 81-U and RHU 81 ACCESSORIES FOR CUTTING CONDUCTORS

Die Type	Cutting Capacity	Conductor Type
	Ø 16 mm	Cu, Alu, Aldrey and Alu-Steel
MB2-80U	This die is suitable to cut steel conductors ($R \leq 160 \text{ daN/mm}^2$) having the most common strandings, i.e.: 19 x 1,2 = Ø est. 6,0 mm 7 x 3,0 = Ø est. 9,0 mm 19 x 2,1 = Ø est. 10,5 mm 19 x 2,3 = Ø est. 11,5 mm	
MB3-80U	Suitable to cut aluminium strands of 150 mm ² aluminium-steel conductors, without damage to the steel core.	

Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200).



RHU81



This lightweight and self contained head, features a patented closure and release mechanism for the die locking pin.

The head is easy to use and is ideally suited for crimping in confined spaces. RHU81 is suitable for installing the same range of connectors as HT 81-U.

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
L.V. lugs and splices																					
Insulated terminals																					
"C" sleeve Connectors																					
H.V. lugs																					
H.V. Splices*																					

*limited to the cable insulation diameter

These tools are supplied without dies. For die selection, please refer to chart on pages 206 to 220

TECHNICAL FEATURES

Crimping force kN	120
Dimensions mm	
Length	488
Width	138
Weight kg	5,7

STORAGE

Type	VAL-P3*
Dimensions mm L x W x H	620 x 380 x 135
Weight kg	2,5
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 130 kN tools.

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.



Die release system, protected from accidental operation



Pressure release trigger, which can 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.



HYDRAULIC CRIMPING TOOL

HT131-C

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
L.V. lugs and splices																					
Insulated terminals																					
"C" sleeve Connectors																					
H.V. lugs																					
H.V. Splices*																					

*limited to the cable insulation diameter

These tools are supplied without dies. For die selection, please refer to chart on pages 206 to 220

STORAGE

Type	VAL-P3*
Dimensions mm L x W x H	620 x 380 x 135
Weight kg	2,5
Supplied with the tool	✓
Purchase separately	-

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

TECHNICAL FEATURES

Crimping force kN	130
Dimensions mm	
Length	473
Width	144
Jaw opening	25
Weight kg	5,5



This new model, self contained, robust and sturdy, will accept all semi-circular slotted dies, common to most 130 kN tools.

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 700 bar max, (see page 194-200).

This new design with improved mechanical features, is suitable for installing the same range of connectors as HT 131-C.

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
L.V. lugs and splices																					
Insulated terminals																					
"C" sleeve Connectors																					
H.V. lugs																					
H.V. Splices*																					

*limited to the cable insulation diameter

These tools are supplied without dies. For die selection, please refer to chart on pages 206 to 220

TECHNICAL FEATURES

Crimping force kN	130
Max operating pressure bar	700
Dimensions mm	
Length	232
Width	124
Jaw opening	25
Weight kg	3,8

STORAGE

Type	VAL-P26*
Dimensions mm L x W x H	445 x 290 x 115
Weight kg	1,2
Supplied with the tool	-
Purchase separately	✓

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



RHM132



Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200).

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
L.V. lugs																					
Insulated terminals																					
H.V. lugs																					

These tools are supplied without dies. For die selection, please refer to chart on pages 206 to 220

Particularly suitable for high volume bench crimping.

TECHNICAL FEATURES

Crimping force kN	130
Max operating pressure bar	700
Dimensions mm	
Length	216
Width	80
Weight kg	3,1

STORAGE

Type	VAL-P26*
Dimensions mm L x W x H	445 x 290 x 115
Weight kg	1,2
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 sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
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 206 to 220

STORAGE

Type	VAL-P3*
Dimensions mm L x W x H	620 x 380 x 135
Weight kg	2,5
Supplied with the tool	✓
Purchase separately	-

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

TECHNICAL FEATURES

Crimping force kN	130
Dimensions mm	
Length	538
Width	144
Jaw opening	42
Weight kg	7,0



Hydraulic "C" head tool with a large 42 mm 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 130 kN tools.



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 sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
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 206 to 220

STORAGE

Type	VAL-P26*
Dimensions mm L x W x H	445 x 290 x 115
Weight kg	1,2
Supplied with the tool	-
Purchase separately	✓

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

TECHNICAL FEATURES

Crimping force kN	130
Max operating pressure bar	700
Dimensions mm	
Length	298
Width	122
Jaw opening	42
Weight kg	5,4

Hydraulic head featuring a large 42 mm jaw opening; complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200).

Is suitable for installing the same range of connectors as HT 131LN-C.

RHC131LN



HT131-UC



This robust and self contained tool will accept the accessories for performing the "Deep Stepped Indent" system of crimping on Aluminium cables. This tool will also accept the semi-circular slotted dies, common to most 130 kN tools. HT 131-UC performance features are the same as those of HT 131-C.

HYDRAULIC CRIMPING TOOL

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
L.V. lugs and splices																					
Insulated terminals																					
"C" sleeve Connectors																					
H.V. lugs and splices																					
Alu lugs and splices																					

These tools are supplied without dies. For die selection, please refer to chart on pages 206 to 220

TECHNICAL FEATURES

Crimping force kN	130
Dimensions mm	
Length	488
Width	149
Weight kg	5,4

STORAGE

Type	VAL-P3*
Dimensions mm L x W x H	620 x 380 x 135
Weight kg	2,5
Supplied with the tool	✓
Purchase separately	-

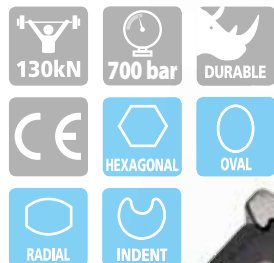
*Suitable for storage of the tool and 14 sets of dies

STORAGE

Type	VAL-130*
Purchase separately	✓

*Suitable for the storage of accessories for crimping Aluminium connectors

RHU131-C



Hydraulic presshead complete coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200). RHU131-C is suitable for installing the same range of connectors as HT 131-UC.

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
L.V. lugs and splices																					
Insulated terminals																					
"C" sleeve Connectors																					
H.V. lugs and splices																					
Alu lugs and splices																					

These tools are supplied without dies. For die selection, please refer to chart on pages 206 to 220

TECHNICAL FEATURES

Crimping force kN	130
Max operating pressure bar	700
Dimensions mm	
Length	245
Width	89
Weight kg	3,7

STORAGE

Type	VAL-P26*
Dimensions mm L x W x H	445 x 290 x 115
Weight kg	1,2
Purchase separately	✓

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

STORAGE

Type	VAL-130*
Dimensions mm L x W x H	360 x 280 x 48
Weight kg	3,0
Purchase separately	✓

*Suitable for the storage of accessories for crimping Aluminium connectors

STORAGE

Type	VAL-130-U*
Dimensions mm L x W x H	450 x 305 x 80
Weight kg	5,0
Purchase separately	✓

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



VAL-130



VAL-130-U



VAL-P26

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
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 206 to 220

STORAGE

Type	VAL-ECW-H3D*
Dimensions mm L x W x H	345 x 205 x 90
Weight kg	4,2
Supplied with the tool	-
Purchase separately	✓

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

TECHNICAL FEATURES

Crimping force kN	230
Max operating pressure bar	700
Dimensions mm	
Length	290
Width	120
Weight kg	5,5

Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200).

Adaptor type AU230-130D is available as an optional extra enabling the head to utilise the semi-cir-

ECW-H3D ACCESSORIES FOR CUTTING CONDUCTORS

Die Type	Cutting Capacity	Conductor Type
	Ø 20 mm	Cu, Alu, Aldrey and Alu-Steel
	Ø 20 mm	Extra flexible Steel with ≥ 200 strands
WT2-3D	This die is suitable to cut Steel conductors (R ≤ 160 daN/mm ²) having the most common strandings, i.e.: 19 x 1,2 = Ø est. 6,0 mm 7 x 3,0 = Ø est. 9,0 mm 19 x 2,1 = Ø est. 10,5 mm 19 x 2,3 = Ø est. 11,5 mm	



MATRICOLA
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ENEL

cular slotted dies which are common to most 130 kN tools. Also available is a series of dies for the compression of DIN electrical connectors, and a die for cutting Copper, Aluminium, aldrej, Aluminium-Steel and Steel conductors.

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
Alu lugs and splices																					
Cu lugs and splices																					

These tools are supplied without dies. For die selection, please refer to chart on pages 206 to 220

STORAGE

Type	VAL-231*
Dimensions mm L x W x H	470 x 273 x 96
Weight kg	7,2
Supplied with the tool	✓
Purchase separately	-

* Suitable for storage of the head and dies for Aluminium compression

TECHNICAL FEATURES

Crimping force kN	230
Max operating pressure bar	700
Dimensions mm	
Length	320
Width	110
Weight kg	6,4

Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200).

For crimping up to 500 sqmm Aluminium.

Dies are available also for crimping Copper connectors.



ECW-H3D



RHU231



RHU230-630



Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200).
It allows for crimping up to 630 sqmm Aluminium (according to HN 68 590).

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
L.V. lugs and splices																					
Alu 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 206 to 220

Adapters AU 230-130-C/N, and AU 230-PS/E, are available as an optional extra enabling the head to utilise the semicircular slotted dies which are common to most 130 kN tools.

TECHNICAL FEATURES

Crimping force kN	230
Max operating pressure bar	700
Dimensions mm	
Length	365
Width	193
Weight kg	9,0

STORAGE

Type	VAL-230-630*
Dimensions mm L x W x H	405 x 230 x 145
Weight kg	3,5
Supplied with the tool	✓
Purchase separately	-

*Suitable for storage of the head



VAL-230-630

STORAGE

Type	VAL-MAT230-630*
Dimensions mm L x W x H	290 x 260 x 70
Weight kg	3,1
Purchase separately	✓

*Suitable for storage of the accessories

VAL-MAT230-630

RHU450



Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200).

Adaptor type AU 450-130 D is available as an optional extra enabling the head to utilise the semi-circular slotted dies which are common to most 130 kN tools.

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - Hexagonal crimp according to DIN 48083 max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	680	800	1000	1200
Cu																						
Al																						
Al/St																						

TECHNICAL FEATURES

Crimping force kN	450
Max operating pressure bar	700
Dimensions mm	
Length	260
Width	120
Weight kg	10,3

STORAGE

Type	VAL-450*
Dimensions mm L x W x H	285 x 212 x 124
Weight kg	2,8
Supplied with the tool	✓
Purchase separately	-

* Suitable for storage of the head



HYDRAULIC PRESSHEAD

RHU520

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000	1200
Lugs and splices																						
H.V. overhead lines																						

These tools are supplied without dies. For die selection, please refer to chart on pages 206 to 220



STORAGE

Type	VAL-520*
Dimensions mm L x W x H	384 x 231 x 145
Weight kg	3,2
Supplied with the tool	-
Purchase separately	✓

*Suitable for storage of the head

TECHNICAL FEATURES

Crimping force kN	520
Max operating pressure bar	700
Dimensions mm	
Length	306
Width	200
Weight kg	18,0

STORAGE

Type	VAL-MAT 520*
Dimensions mm L x W x H	500 x 310 x 68
Weight kg	5,1
Supplied with the tool	-
Purchase separately	✓

*Suitable for storage of 10 sets of dies



VAL-520



VAL-MAT 520



Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200).

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 130 kN tools.

RHU600

600kN

700 bar

DURABLE

HEXAGONAL

CIRCULAR

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS

- "U" Alcoa series die and "L" Burndy series die, etc.
- Aluminium and Copper max size 2156 MCM



Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200).

TECHNICAL FEATURES

Crimping force kN	600
Max operating pressure bar	700
Dimensions with support mm	
Length	447
Width	241
Weight with support	22,4

STORAGE

Type	VAL-600*
Dimensions mm L x W x H	480 x 235 x 260
Weight kg	8,6
Supplied with the tool	✓
Purchase separately	-

**Suitable for storage of the head*



VAL-600

STORAGE

Type	VAL-1000*
Dimensions mm L x W x H	334 x 244 x 435
Weight kg	12
Supplied with the tool	✓
Purchase separately	-

*Suitable for storage of the head

TECHNICAL FEATURES

Crimping force kN	1.100
Max operating pressure bar	700
Dimensions mm	
Length	414
Width	278
Weight kg	50,6

Operable from single or double acting hydraulic power source



VAL-1000



Lifting eye; screwed into the base of the cylinder, allows easy transportation of the head in aerial operation.

RHU 1000 is a 1.100 kN hydraulic presshead for full tension, transmission and substation connections, complete with quick automatic coupler for connection to hydraulic pumps with a working pressure of 700 bar max, (see page 194-200).

The standard version must be operated by a single acting pump; possibility to convert from single to double acting by substitution of the breather valve with a female quick coupling.

RHU1000 will accept all semi-circular slotted dies common to most 100 ton heads as the Alcoa ones.

The die cap is removable for an easy connector positioning; the upper part of the cap automatically rotates during the die changing process to present the correct positioning of the die. Lifting eye included.

Insertion of the upper die:



After substitution of the dies, insert the die cap into the head.



Pull the pin.



The upper part of the cap automatically rotates...



...to the correct position.

HT-TC051



Hand operated hydraulic tool specifically designed to cut Copper, Aluminium and Telecommunications cable having a max overall diameter of 50 mm.

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.

HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminium and Telecommunications cable having Ø max 50 mm

TECHNICAL FEATURES

Max cutting Ø mm	50
Dimensions mm	
Length	497
Width	129
Weight kg	4,38

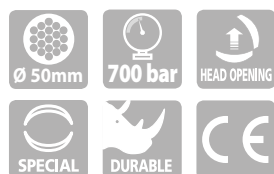
STORAGE

Type	CVB-010
Dimensions mm L x W	545 x 160
Weight kg	0,15
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 be easily opened to allow the cutting of running cables. The head can rotate through 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 complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200) TC050 features the same cutting capability as HT-TC051.

HYDRAULIC CUTTING HEAD

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminium and Telecommunications cable having Ø max 50 mm

TECHNICAL FEATURES

Max cutting Ø mm	50
Max operating pressure bar	700
Dimensions mm	
Length	325
Width	112
Weight kg	3,2

STORAGE

Type	CVB-011
Dimensions mm L x W	360 x 137
Weight kg	0,13
Supplied with the tool	✓
Purchase separately	-



HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminium and Telecommunications cable having Ø max 65 mm

STORAGE

Type	CVB-010
Dimensions mm L x W	545 x 160
Weight kg	0,15
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

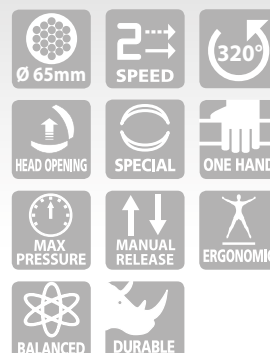
Max cutting Ø mm	65
Dimensions mm	
Length	523
Width	129
Weight kg	5



Hand operated hydraulic tool specifically designed to cut Copper, Aluminium and Telecommunications cable having a max overall diameter of 65 mm.

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 through 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, Aluminium and Telecommunications cable having Ø max 65 mm

STORAGE

Type	VAL-TC065-SC*
Dimensions mm L x W x H	459 x 231 x 122
Weight kg	3,6
Supplied with the tool	✓
Purchase separately	-

*Suitable for storage of the head

TECHNICAL FEATURES

Max cutting Ø mm	65
Max operating pressure bar	700
Dimensions mm	
Length	426
Width	185
Weight kg	6,3

Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200)

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.

HT-TC0851

HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminium and Telecommunications cable having Ø max 85 mm



Hand operated hydraulic tool specifically designed to cut Copper, Aluminium and Telecommunications cable having a max overall diameter of 85 mm.

New model, 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 mm	85
Dimensions mm	
Length	652,5
Width	175
Weight kg	6,6

STORAGE

Type	VAL-P7
Dimensions mm L x W x H	727 x 202 x 115
Weight kg	1,3
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 through 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.



TC085

HYDRAULIC CUTTING HEAD

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminium and Telecommunications cable having Ø max 85 mm



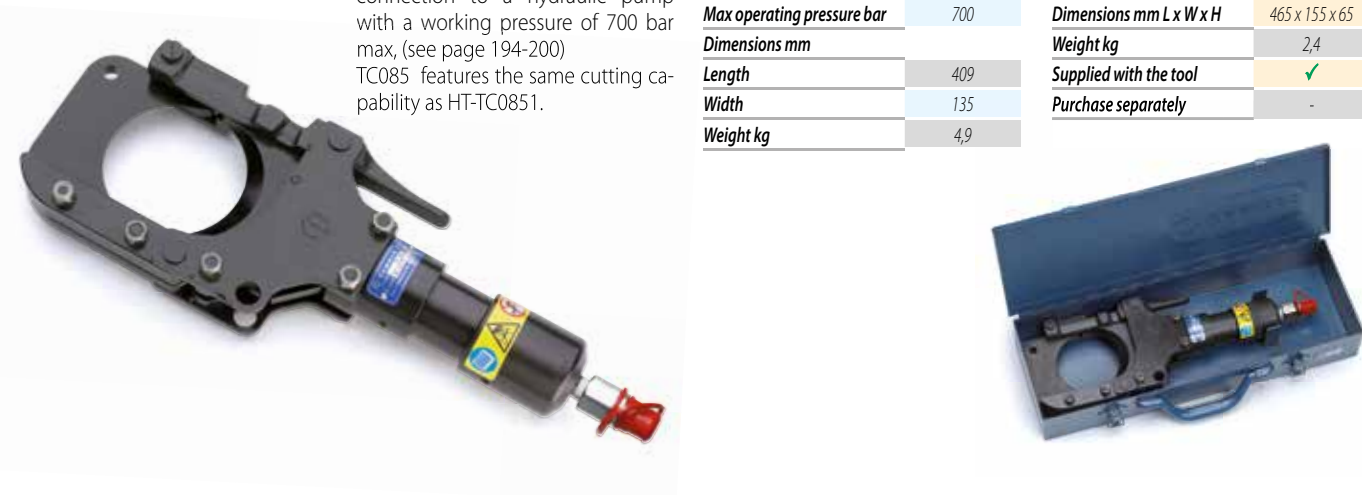
Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200) TC085 features the same cutting capability as HT-TC0851.

TECHNICAL FEATURES

Max cutting Ø mm	85
Max operating pressure bar	700
Dimensions mm	
Length	409
Width	135
Weight kg	4,9

STORAGE

Type	VAL-TC085
Dimensions mm L x W x H	465 x 155 x 65
Weight kg	2,4
Supplied with the tool	✓
Purchase separately	-



HYDRAULIC CUTTING HEAD

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper and Aluminium cable having Ø max 95 mm

TC096



STORAGE

Type	VAL-096
Dimensions mm L x W x H	450 x 265 x 145
Weight kg	6,8
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

Max cutting Ø mm	95
Max operating pressure bar	700
Dimensions mm	
Length	397
Width	249
Weight kg	7,9

Hydraulic cutting head specifically designed to cut Copper and Aluminium cable having a max overall diameter of 95 mm.

The head is complete with a quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200).



HYDRAULIC CUTTING HEAD

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminium and Telecommunications cable having Ø max 120 mm

TC120



STORAGE

Type	VAL-TC120
Dimensions mm L x W x H	590 x 209 x 84
Weight kg	4,9
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

Max cutting Ø mm	120
Max operating pressure bar	700
Dimensions mm	
Length	536
Width	175
Weight kg	9,5

sitioning of the head onto the cable to be cut.

The head is complete with a quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200).



Hydraulic cutting head specifically designed to cut Copper, Aluminium and Telecommunications cable having a max overall diameter of 120 mm. The head can easily be opened to cut running cables, and the handle allows the most comfortable po-



TC 120 cutting capacity - a few examples:

Section	Conductor Type
3x150 mm ²	Steel armoured Ø80 mm
1000 mm ²	Cu - EPR rubber insulated; Ø85 mm
1000 mm ²	Cu - EPR rubber insulated + lead sheath; Ø92 mm
1000 mm ²	Cu - EPR rubber insulated + lead sheath + PE sheath; Ø100 mm
240 mm ²	EPR rubber insulated

HT-TC026

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 25 mm



Hand operated hydraulic tool specifically designed to cut Copper, aldrej, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having a max overall diameter of 25 mm. 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.

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. 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 the cutting of running cables. HT-TC026 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.

TECHNICAL FEATURES

Max cutting Ø mm	25
Dimensions mm	
Length	382
Width	129
Weight kg	3,2

STORAGE

Type	CVB-001
Dimensions mm L x W	430 x 155
Weight kg	0,15
Supplied with the tool	✓
Purchase separately	-



CUTTING CAPACITY

	MATERIAL	TENSILE STRENGTH (daN/mm ²)	MAX CUTTING DIAMETER (mm)	
			HT-TC026 TC025	HT-TC026Y B-TC250E
ROPE & CONDUCTORS	COPPER	≤ 41	25	
	ALUMINIUM	≤ 20	25	
	ALMELEC	≤ 34	25	
	STEEL	≤ 180	INDICATIVE EXAMPLES: 7 x 3,0 : Ø est. = 9,0 mm 19 x 2,1 : Ø est. = 10,5 mm 19 x 2,3 : Ø est. = 11,5 mm	
	MULTI STRANDS STEEL (STRANDS Qty ≥ 200)	≤ 180	18	
	ACSR	≤ 180	25 INDICATIVE EXAMPLES: 26 x 2,50 + 7 x 1,95 : Ø est. = 15,85 26 x 3,06 + 7 x 2,38 : Ø est. = 19,38 26 x 3,60 + 7 x 2,80 : Ø est. = 22,80	
RODS	STEEL	≤ 60	13	
		≤ 42	16	
	COPPER	≤ 30	20	
		≤ 25	23	
		≤ 16	25	

TC025

HYDRAULIC CUTTING HEAD

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 25 mm



Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200) TC025 has the same cutting capability as HT-TC026.

TECHNICAL FEATURES

Max cutting Ø mm	25
Max operating pressure bar	700
Dimensions mm	
Length	213
Width	82
Weight kg	2,0

STORAGE

Type	CVB-007
Dimensions mm L x W	350 x 105
Weight kg	0,13
Supplied with the tool	✓
Purchase separately	-



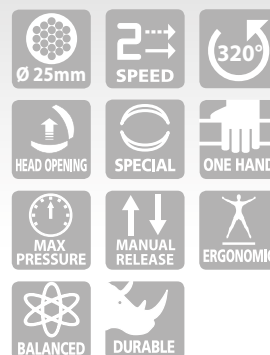
HYDRAULIC CUTTING TOOL

HT-TC026Y

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, aldrej, Aluminum, Aluminum-Steel cables, stay wire and Steel ropes having Ø max 25 mm and Steel earthing rod up to 16 mm.



STORAGE

Type	CVB-001
Dimensions mm L x W	430 x 155
Weight kg	0,15
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

Max cutting Ø mm	25
Dimensions mm	
Length	394,5
Width	129
Weight kg	3,35

Hand operated hydraulic tool specifically designed to cut Copper, aldrej, Aluminum, Aluminum-Steel cables, stay wire and Steel ropes having a max overall diameter of 25 mm and Steel earthing rod up to 16 mm. 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 through 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 earthing rod and stay wire

HT-TC026Y cutting capacity - a few examples:

Ø		EARTHING RODS AND STAY WIRES
mm	in.	
14,2	/	STEEL EARTHING ROD, COPPER PLATED; Tensile strength = 79 daN/mm ²
12,7	1/2"	STEEL EARTHING ROD, COPPER PLATED; Tensile strength = 69 daN/mm ²
15,6	/	STEEL EARTHING ROD; Tensile strength = 69 daN/mm ²
15,9	5/8"	STEEL EARTHING ROD, COPPER PLATED (CON ED - ILLINOIS); Tensile strength = 57 daN/mm ²
15,9	5/8"	STEEL EARTHING ROD, COPPER PLATED (CON ED - STATEN ISLAND); Tensile strength = 78 daN/mm ²
19	3/4"	STEEL EARTHING ROD, COPPER PLATED; Tensile strength = 74 daN/mm ²
9,15 (3,05x7)	/	STAY WIRE
10,8 (3,6x7)	/	STAY WIRE (PORTLAND GENERAL ELECTRIC)
11,1 (3,7x7)	/	STAY WIRE (PORTLAND GENERAL ELECTRIC)
12,3 (4,1x7)	/	STAY WIRE (PORTLAND GENERAL ELECTRIC)
12,6 (4,2x7)	/	STAY WIRE (PORTLAND GENERAL ELECTRIC)

HT-TC041N

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 45 mm



New model, even more self contained, robust and sturdy. The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. 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.

TECHNICAL FEATURES

Max cutting Ø mm	45
Dimensions mm	
Length	550
Width	144
Weight kg	5,8

STORAGE

Type	VAL-P7
Dimensions mm L x W x H	727 x 202 x 115
Weight kg	1,3
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.



Hand operated hydraulic tool specifically designed to cut Copper, aldrej, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having a max overall diameter of 45 mm.

CUTTING CAPACITY

	MATERIAL	TENSILE STRENGTH (daN/mm²)	MAX CUTTING DIAMETER (mm)	
			HT-TC041N B-TC450E	TC04N
ROPE & CONDUCTORS	COPPER	≤ 41	45	
	ALUMINIUM	≤ 20	45	
	ALMELEC	≤ 34	45	
	STEEL	≤ 180	INDICATIVE EXAMPLES: 7 x 3,0 : Ø est. = 9,0 mm 19 x 2,1 : Ø est. = 10,5 mm 19 x 2,3 : Ø est. = 11,5 mm	
	MULTI STRANDS STEEL (STRANDS Qty ≥ 200)	≤ 180	18	
	ACSR	≤ 180	45 INDICATIVE EXAMPLES: 26 x 2,50 + 7 x 1,95 : Ø est. = 15,85 26 x 3,06 + 7 x 2,38 : Ø est. = 19,38 26 x 3,60 + 7 x 2,80 : Ø est. = 22,80 54 x 3,50 + 19 x 2,10 : Ø est. = 31,50 54 x 4,36 + 19 x 2,62 : Ø est. = 39,20	
RODS	STEEL	≤ 60	18	
		≤ 42	20	
	COPPER	≤ 30	30	
		≤ 25	32	
	ALUMINIUM	≤ 16	45	

TC04N

HYDRAULIC CUTTING HEAD

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 45 mm



Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200)

TC04N has the same cutting capability as HT-TC041N.

TECHNICAL FEATURES

Max cutting Ø mm	45
Max operating pressure bar	700
Dimensions mm	
Length	311
Width	100
Weight kg	4,0

STORAGE

Type	VAL-04
Dimensions mm L x W x H	350 x 125 x 68
Weight kg	2,0
Supplied with the tool	✓
Purchase separately	-



HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum, Aluminum-Steel cables (ACSR) having Ø max 50 mm
Not suitable for cutting stay wire, Steel rope or earthing rod

STORAGE

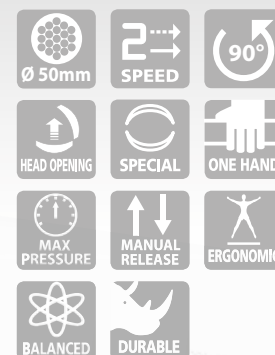
Type	CVB-010
Dimensions mm L x W	545 x 160
Weight kg	0,15
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

Max cutting Ø mm	50
Dimensions mm	
Length	503
Width	129
Weight kg	4,7

Hand operated hydraulic tool specifically designed to cut Copper, Aluminum, Aluminum-Steel cables (ACSR) having a max overall diameter of 50 mm.

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 canvas bag 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 50 mm
Not suitable for cutting stay wire, Steel rope or earthing rod

STORAGE

Type	CVB-011
Dimensions mm L x W x H	360 x 137
Weight kg	0,13
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

Max cutting Ø mm	50
Max operating pressure bar	700
Dimensions mm	
Length	331
Width	112
Weight kg	3,3

Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200).



TC050Y features the same cutting capability as HT-TC051Y.

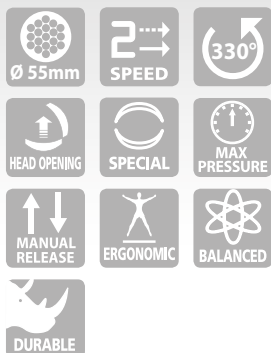
HT-TC055

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 55 mm



Hand operated hydraulic tool specifically designed to cut Copper, aldrej, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having a max overall diameter of 55 mm.

This proven system saves operator time and effort.

The HT-TC055 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 330 degrees allowing the operator to perform the cut in the most comfortable position. The tool is supplied complete with plastic case VAL P7 for protection and storage when not in use.

The HT-TC055 is provided with a two stage hydraulic system, which advances the blades quickly to the cable.



TECHNICAL FEATURES

Max cutting Ø mm	55
Dimensions mm	
Length	595
Width	144
Weight kg	8,3

STORAGE

Type	VAL-P7
Dimensions mm L x W x H	727 x 202 x 115
Weight kg	1,3
Supplied with the tool	✓
Purchase separately	-

CUTTING CAPACITY

	MATERIAL	TENSILE STRENGTH (daN/mm²)	MAX CUTTING DIAMETER (mm)
			HT-TC055 TC055 B-TC550E
ROPE & CONDUCTORS	COPPER	≤ 41	55
	ALUMINIUM	≤ 20	55
	ALMELEC	≤ 34	55
	STEEL	≤ 180	INDICATIVE EXAMPLES: 7 x 3,0 : Ø est. = 9,0 mm 19 x 2,1 : Ø est. = 10,5 mm 19 x 2,3 : Ø est. = 11,5 mm
	MULTI STRANDS STEEL (STRANDS Qty ≥ 200)	≤ 180	22
	ACSR	≤ 180	50 INDICATIVE EXAMPLES: 26 x 2,50 + 7 x 1,95 : Ø est. = 15,85 26 x 3,06 + 7 x 2,38 : Ø est. = 19,38 26 x 3,60 + 7 x 2,80 : Ø est. = 22,80 26 x 4,44 + 7 x 3,45 : Ø est. = 28,14 54 x 3,50 + 19 x 2,10 : Ø est. = 31,50 54 x 4,36 + 19 x 2,62 : Ø est. = 39,20 83 x 4,60 + 16 x 2,80 : Ø est. = 50,00
	GUY WIRE (GW15-9/16-188)	Extra high strenght grade	7 x 4,77 : Ø est. = 14,30 mm
	STEEL	≤ 60	20
	STEEL	≤ 42	22
	COPPER	≤ 30	34
RODS	STEEL	≤ 25	38,5
	ALUMINIUM	≤ 16	50

TC055

HYDRAULIC CUTTING HEAD

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 55 mm



Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see page 194-200)

TC055 has the same cutting capability as HT-TC055.

TECHNICAL FEATURES

Max cutting Ø mm	55
Max operating pressure bar	700
Dimensions mm	
Length	357
Width	134
Weight kg	6,6

STORAGE

Type	VAL-TC055
Dimensions mm L x W x H	384 x 231 x 145
Weight kg	3,7
Supplied with the tool	✓
Purchase separately	-



FRAME-TYPE HOLE PUNCHING HEAD

general features

MAIN APPLICATIONS

designed for punching holes from 15,5 up to 47,2 mm diameter

TECHNICAL FEATURES

Max piercing Ø mm	47,2
Max centre of hole to edge of trunking (mm)	53,5
Max operating pressure bar	700
Dimensions mm	
Length	259,5
Width	147,5
Weight kg	3,7

STORAGE

Type	VAL-P30
Dimensions mm L x W	315 x 300 x 95
Weight kg	0,93
Supplied with the tool	✓
Purchase separately	-



Table denotes the punch/die set reference, for each hole size. Suitable for punching holes in mild Steel, fibreglass or plastic material, up to 2 mm thick.

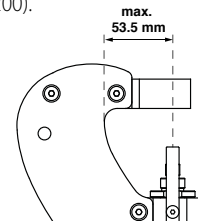
Hole Dimensions					Maximum thickness of mild Steel (mm)	Type
Nominal		Pg	ISO	Inch		
Ø (mm)	Ø (inch)					
15,5	.610	Pg9	-	-	2	RD15.5SS-FC
16,2	.638	-	ISO-16	-		RD16.2SS-FC
17,5	.689	-	-	-		RD17.5SS-FC
18,8	.740	Pg11	-	-		RD18.8SS-FC
19,1	.752	-	-	-		RD19.1SS
20,5	.807	Pg 13,5	ISO-20	-		RD20.5SS
22,6	.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

RH-FC48N



Hydraulic head complete with automatic quick coupler, designed for punching holes from 15,5 up to 47,2 mm 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 700 bar (see page 194-200).



PIERCING HEADS

general features

RHT160

Max piercing Ø mm	21
Max hole distance from bar edge (mm)	30
Max operating pressure bar	700
Dimensions mm	
Length	240
Width	153
Weight kg	6,5

RHT160-60N

Max piercing Ø mm	21
Max hole distance from bar edge (mm)	60
Max operating pressure bar	700
Dimensions mm	
Length	240
Width	181
Weight kg	9,2

STORAGE

Type	VAL-160*
Dimensions mm L x W x H	283 x 180 x 100
Weight kg	2,3
Supplied with the tool	✓
Purchase separately	-

*Suitable for storage of the head



Available accessories (to be ordered separately):

Piercing Ø mm	6,5	8,5	9	10,5	11	13	13,5	14	15	17	19	21
Type (Kit Punch+Die)	RT6,5	RT8,5	RT9	RT10,5	RT11	RT13	RT13,5	RT14	RT15	RT17	RT19	RT21
Max. thickness												
Hole diameter (mm)	6,5	8,5	9	10,5	11	13	13,5	14	15	17	19	21
Max thickness strep in Copper	10	10	10	10	10	10	10	10	10	10	8	8
Max thickness strep in Steel	10	10	10	10	10	10	9	9	8	7	6	4
Punch die/set	RT6,5	RT8,5	RT9	RT10,5	RT11	RT13	RT13,5	RT14	RT15	RT17	RT19	RT21

RHT160 RHT160-60N



Hydraulic head complete with automatic quick coupler, for piercing holes of various diameters in Copper, Aluminium and Steel bars with max. thickness of 10 mm.

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 700 bar (see page 194-200).

HT-FL74



Hand operated hydraulic tool specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 3,5 mm 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.

Supplied with Pullers TD-11, TD-19 and spiral bit Ø 11,5 mm.

For the punch-die selection chart see page 161.

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 3,5 mm thickness

TECHNICAL FEATURES

Max Punching Ø mm	140
Dimensions mm	
Length	381
Width	138
Weight kg	3,3

STORAGE

Type	VAL-P28
Dimensions mm L x W x H	620 x 360 x 138
Weight kg	2,4
Supplied with the tool	✓
Purchase separately	-



HT-FL75



Hand operated hydraulic tool specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 3,5 mm 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 11,5 mm.

For the punch-die selection chart see page 161.

TECHNICAL FEATURES

Max Punching Ø mm	140
Dimensions mm	
Length	452
Width	138
Weight kg	3,67

STORAGE

Type	VAL-P28
Dimensions mm L x W x H	620 x 360 x 138
Weight kg	2,4
Supplied with the tool	✓
Purchase separately	-



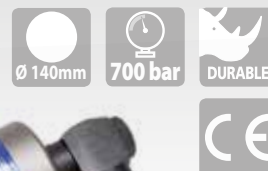
PULLER-TYPE HOLE PUNCHING HEAD

RH-FL75

general features

MAIN APPLICATIONS

specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 3,5 mm thickness



STORAGE

Type	VAL-P29
Dimensions mm L x W x H	448 x 288 x 105
Weight kg	1,4
Supplied with the tool	✓
Purchase separately	-



TECHNICAL FEATURES

Max Punching Ø mm	140
Max operating pressure bar	700
Dimensions mm	
Length	163
Width	106
Weight kg	1,9



Hydraulic head, for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 3,5 mm 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 700 bar max (see page 194-200).

Supplied with Pullers TD-11, TD-19 and spiral bit Ø 11,5 mm.

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 (mm)		Pilot hole Ø (mm)	Type	
Nominal	Ø (mm)	Ø (inch)	Pg	ISO	Stainless Steel	Mild Steel		KIT (Punch + Die)	Puller
15,5	.610	Pg9	-	-	-	-	11,5	RD15.5SS	TD-11
16,2	.638	-	ISO-16	-	-	-		RD16.2SS	
17,0	.669	-	-	G3/8"	-	-		RD17SS	
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"	-	-		RD27SS	
28,5	1.122	Pg21	-	-	-	-		RD28.5SS	
30,5	1.201	-	-	G7/8"	-	-		RD30.5SS	
28,5	1.122	Pg 21	-	-	-	-	20,0	RD28.5SS-19	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"	-	-		RD34SS	
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"	-	-	29,0	RD54.2SS	TD-28.5*
60,0	2.362	Pg48	-	G2"	-	-		RD60SS	
60,5	2.381	-	-	-	-	-		RD60.5SS	
64,0	2.520	-	ISO-63	-	-	-		RD64SS	
65,0	2.559	-	-	-	-	-		RD65SS	
76,0	2.992	-	-	G2 1/2"	-	-		RD76SS	
76,5	3.011	-	-	-	-	-		RD76.5SS	
80,5	3.169	-	-	-	-	-		RD80.5SS	
89,0	3.503	-	-	G3"	-	-		RD89SS	
90,0	3.543	-	-	-	2	3		RD90SS	
100,0	3.937	-	-	-	2	3	29,0	RD100SS	TD-28.5*
102,0	4.015	-	-	-	2	3		RD102SS	
114,0	4.488	-	-	-	2	2,5		RD114SS	
120,0	4.724	-	-	-	1,5	2		RD120SS	
140,0	5.512	-	-	-	1,5	2		RD140SS	

"D" punch

Hole diameter					Material max thickness (mm)		Pilot hole Ø (mm)	Type	
Nominal	(mm)	(inch)	Stainless Steel	Mild Steel	Stainless Steel	Mild Steel		KIT (Punch+die + Puller)	
(a)38,3 x (b)36,6	(a)1.507 x (b)1.442		2,5	3,5	18,5			RD18D	
(a)43,1 x (b)41,5	(a)1.696 x (b)1.632							RD24D	

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

Square punch

Hole diameter					Material max thickness (mm)		Pilot hole Ø (mm)	Type	
Nominal	(mm)	(inch)	Stainless Steel	Mild Steel	Stainless Steel	Mild Steel		KIT (Punch+die + Puller)	
21,0 x 21,0	.827 x .827		2,5	3,5	12,0			RD21X21	
46,0 x 46,0	1.811 x 1.811		1,5	2,0	26,5			RD46X46	
68,0 x 68,0	2.677 x 2.677				22,5			RD68X68	
92,0 x 92,0	3.622 x 3.622							RD92X92	
126,0 x 126,0	4.960 x 4.960							RD126X126	
138,0 x 138,0	5.433 x 5.433		1,0	1,5	28,5			RD138X138	
220,0 x 220,0	8.661 x 8.661							RD220X220	

Rectangular punch

Hole diameter					Material max thickness (mm)		Pilot hole Ø (mm)	Type	
Nominal	(mm)	(inch)	Stainless Steel	Mild Steel	Stainless Steel	Mild Steel		KIT (Punch+die + Puller)	
18,0 x 46,0	.709 x 1.811				16,5			RD18X46	
22,0 x 30,0	.866 x 1.181							RD22X30	
22,0 x 46,0	.866 x 1.811		2,0					RD22X46	
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				23,8			RD36X46	
37,0 x 54,0	1.456 x 2.125							RD37X54	
37,0 x 67,0	1.456 x 2.637				16,5			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		1,5		26,5			RD46X54	
46,0 x 72,0	1.811 x 2.835							RD46X72	
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				28,5			RD67X126	

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

Use of non-Cembre punching accessories

Type	Punch & Die	Pilot hole Ø mm
TRD-9.4C (*)	GREENLEE 3/8" - 24 UNF	Ø 9.7
TRD-M11C (*)	BM, COSMEC (M11x1.5)	Ø 11.5
TD-M16C	BM, COSMEC (M16x1.5)	Ø 16.5 or RD17.5SS
TD-27	BM, COSMEC (Ø105=Ø140)	Ø 27.5
TD-14X14-M14	BM, COSMEC 46x46	Ø 18.8
TD-120X20-M20	BM, COSMEC 92x92	Ø 27.5
TD-20X20-M20	BM, COSMEC 42x95	Ø 27.5
TGD-13.5X13.5-M13	BM, COSMEC 40x40; 45x45; 46x46 (M13)	Ø 18.8
TGD-10X10-M9	BM, COSMEC 006505	Ø 13.8
TD-9	IMB 9601	Ø 9.3
T-M11C	IMB 9602	Ø 11.3
TD-16	IMB 9603	Ø 16.5
TD-10X10-M10	IMB 9623	Ø 12.5
TD-14X14-M14/1"	IMB 9625	Ø 18
TD-20 (without plug)	IMB 9626	Ø 26.5
TD-20X20-M20 (with plug)	IMB 9626	Ø 27.5

(*) 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

general features



RHTD1724

Suitable for splitting nuts mm	16(M10)÷27(M18)
Max operating pressure bar	700
Weight kg	1,76

Hydraulic nut splitting head complete with automatic quick coupler. For operating the head must be joined to a hydraulic pump developing a pressure of 700 bar (see page 194-200).



RHTD3241

Suitable for splitting nuts mm	27(M18)÷41(M27)
Max operating pressure bar	700
Weight kg	4,6

RHTD410T

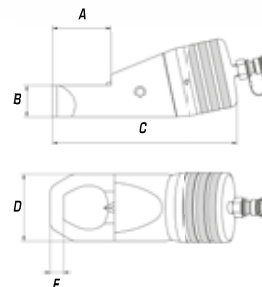
Suitable for splitting nuts mm	27(M18)÷41(M27)
Max operating pressure bar	700
Weight kg	4,9

STORAGE

Type	VAL-P4
Dimensions mm L x W x H	315 x 300 x 95
Weight kg	0,93
Supplied with the tool	✓

Dimensions mm

	RHTD1724	RHTD3241	RHTD410T
A	40,5	66	77
B	25	36	41
C	105,5	208	222
D	54	75,5	75,5
E	7,5	16	21,5



Application range

Type	HEXAGONAL NUTS	SQUARE NUTS
	mm	mm
	16	M 10
	17	M 10
	18	M 12
	19	M 12
	21	M 14
	22	M 14
	24	M 16
	27	M 18
	27	M 18
	30	M 20
	32	M 22
	34	M 24
	36	M 24
	41	M 27

B-TD270E



B-TD270E

Crimping force kN	100
Dimensions mm	
Length (with tube and head)	1.292,5
Height	350
Depth	83
Battery	18.0V 4.0Ah
Weight kg (with battery)	5,5

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



STORAGE

Type	CVB-030
Dimensions mm L x W x H	497 x 266 x 455
Weight kg	1,4
Supplied with the tool	✓



B-TD410TE



B-TD410TE

Crimping force kN	230
Dimensions mm	
Length (with tube and head)	1.360
Height	350
Depth	83
Battery	18.0V 4.0Ah
Weight kg (with battery)	8,8

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 kN		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 42 mm 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



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" Structure
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



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 - 4.0 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 - 4.0 Ah Li-Ion high power batteries
- 12 SMARTOOL technology for viewing and downloading operational data



SUPPLIED WITH

- 1 CB1840L, 18.0 V - 4.0 Ah Li-Ion high power battery (2 pcs.)
 - 2 ASC30-36 UK 27045000 Battery charger
(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



Multifunction OLED display:



General operating information

Tool service required to maintain optimum condition

Battery power availability

Pressure level check

Crimping force check



18.0 V - 2.0 Ah CORDLESS TOOL FEATURES

general features

- 1 Head rotates for ease of operation in confined spaces
- 2 Switch protected against accidental operation
- 3 Pressure release button
- 4 Slot-in battery with release button
- 5 Battery condition displayed to show the residual battery power
- 6 Motor ventilation
- 7 The tools are fitted with a maximum pressure valve to indicate a correct crimping operation or the full extent of the ram travel
- 8 Can be operated with one hand
- 9 Durable moulded body offering high resistance to wear and damage in all operating conditions
- 10 Extremely quiet in operation with very little vibration
- 11 Improved balance for better handling
- 12 Anatomically shaped grip for greater comfort
- 13 18.0 V - 2.0 Ah Li-Ion high power batteries



SUPPLIED WITH

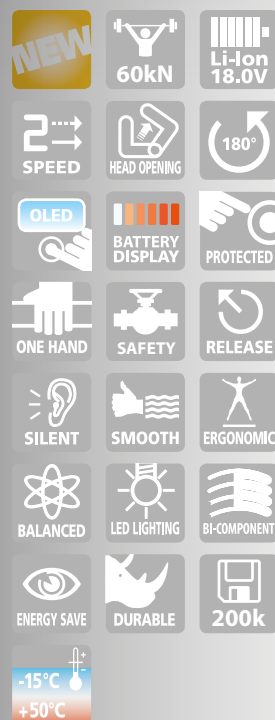
- 1 CB1820L, 18.0 V - 2.0 Ah Li-Ion high power battery (2 pcs.)
- 2 ASC30-36 UK 27045000 Battery charger
(INPUT 220-240 V / 50-60 Hz; OUTPUT 12-42 V DC / 3.0 A max.)
- 3 USB cable (only for B500NDE and B450ND-BVE)

• Wrist strap

• Plastic carrying case

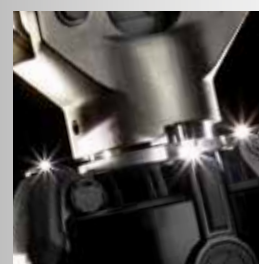


New Range *nd* B500NDE



New Functional Features:

- Bilinear mechanical design
- Smart Release system to automatically retract the ram at the end of the crimping cycle
- OLED multifunctional display with touch button
- Electronic Pressure Sensor (EPS)
- SMARTOOL technology for viewing and downloading operational data
- Illumination of working area via 4 x LED lights
- Bi-component plastic body
- Ergonomic design for operator comfort

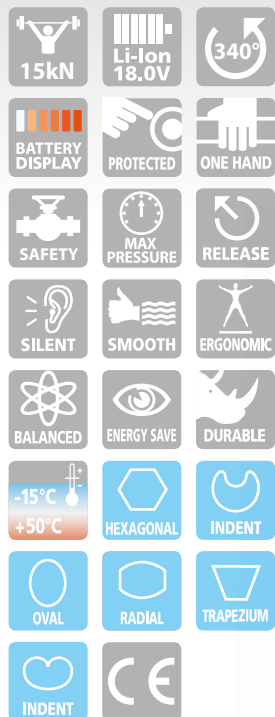


general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0,25÷1,5	1,5÷2,5	4÷6	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630	800	1000
Copper lugs and splices																				
Insulated terminals																				
End sleeves																				

These tools are supplied without dies. For die selection, please refer to chart on pages 206 to 220



TECHNICAL FEATURES

Crimping force kN	15
Dimensions mm	
Length	337
Height	133
Width	81
Battery	18.0V 2.0Ah
Weight kg (with Battery)	1,74

STORAGE







Type	VAL-P22
Dimensions mm L x W x H	465 x 315 x 116
Weight kg	1,5
Supplied with the tool	✓
Purchase separately	-



The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- Plastic carrying case suitable for storing the tool and accessories

Many different interchangeable crimping dies available

Conductor Size sqmm (AWG)		Connector Type	Die Set	
0,25 ÷ 16	22 ÷ 6	A...; L...-M; L...-P; S...; RN...; BN...; GN...	MA03/3-15	
1,5 ÷ 10	16 ÷ 8	A...; L...-M; L...-P	ME03/2-15	
10 ÷ 16	8 ÷ 6	A...; 2A...; L...-M; L...-P	ME2/3-15	
4 ÷ 10	12 ÷ 8	T... (NF C 20130 style); L...-T	MS4/10-15	
10 ÷ 16	8 ÷ 6	T... (NF C 20130 style); L...-T	MS10/16-15	
10 ÷ 16	8 ÷ 6	HR...; HSV...	MH10/16-15	
6 ÷ 16	10 ÷ 6	DR... (DIN 46235 style); DSV... (DIN 46267 T1 style)	MK5/8-15	
10 ÷ 16	8 ÷ 6	ANE...; AN...; IN...; EN...	NN4-15	
0,25 ÷ 6	22 ÷ 10	R...; B...; G... (not suffix P); PL...; NL...	RBG-15	
0,25 ÷ 6	22 ÷ 10	R...; B...; G... (not suffix P, RF/BF-BF)	RBV-15 with positioner	
0,3 ÷ 4	22 ÷ 12	PKE; PKC; PKD; PKT; KE	KE4-15	
4 ÷ 16	12 ÷ 6	PKE; PKC; PKD; PKT; KE	KE16-15	
16 ÷ 35	6 ÷ 2	PKE; PKC; PKD; PKT; KE	KE35-15	
2,5 - 4 - 6	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 18.0V 2.0Ah High Power battery.

The battery is equipped with LED indicators to show 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 charger included. Many different interchangeable crimping dies available. Operating temperature: -15 to +50 °C



Battery condition display



Interchangeable die sets



Ergonomically designed operating switch



Automatic slot-in battery

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

B450ND-BVE

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630	800	1000
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 206 to 220

STORAGE

Type	VAL-P22
Dimensions mm L x W x H	465 x 315 x 116
Weight kg	1,5
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

Crimping force kN	50
Dimensions mm	
Length	364
Height	136
Width	81
Battery	18.0V 2.0Ah
Weight kg (with Battery)	2,6



The tool is supplied as:

- Basic tool with battery and wrist strap
- Battery charger
- USB cable
- Plastic carrying case suitable for storing the tool and accessories

B450ND-BVE is a new generation of hand-held cordless tools, characterised by a "Bilinear" mechanical design.

B450ND-BVE is suitable for crimping electrical connectors onto conductor cross sections up to 150 mm² and uses the die sets common to all Cembre 45kN tools and heads.

Equipped with Li-Ion 18 V-2Ah rechargeable high capacity batteries. The battery is equipped with LED indicators to show the remaining battery life at any time by pressing the adjacent button.

The tool is fitted with a maximum pressure valve.

Wide-opening head, ideal for derivations from running conductors



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.

Flashing work lights and a continuous beep indicate to the operator that B450ND-BVE has reached the

working hours at which ordinary maintenance is recommended. It is also a feature that the operating data is stored on a memory card for transfer to PC by USB interface. (SMARTOOL technology).



"Bilinear" mechanical design



4 LED lighting of the working area



Manual pressure release button



Battery connection system with release button



Sculptured body for optimum comfort

B500NDE

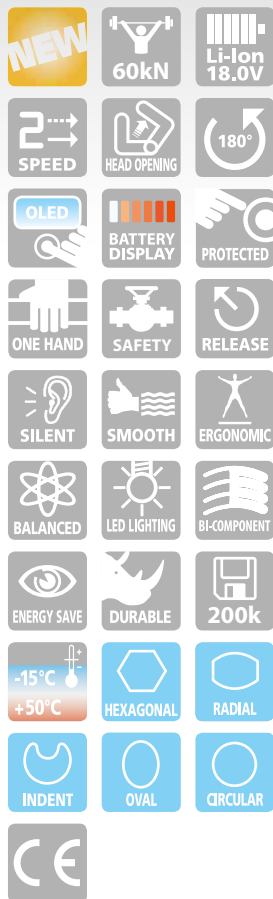
18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
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 206 to 220



TECHNICAL FEATURES

Crimping force kN	60
Dimensions mm	
Length	396
Height	135
Width	81
Battery	18.0V 2.0Ah
Weight kg (with Battery)	3,15

The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- USB cable
- Plastic carrying case suitable for storing the tool and accessories

STORAGE

Type	VAL-P22
Dimensions mm L x W x H	465 x 315 x 116
Weight kg	1,5
Supplied with the tool	✓
Purchase separately	-



B500NDE 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. B500NDE is suitable for crimping electrical connectors onto conductor cross sections up to 300 mm² and uses the die sets common to all Cemtre 50kN tools and heads.

Equipped with Li-Ion 18 V-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 reconfigured 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.

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

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

B500E

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
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 206 to 220

TECHNICAL FEATURES

Crimping force kN	63
Dimensions mm	
Length	300
Height	343
Width	83
Battery	18.0V 4.0Ah
Weight kg (with Battery)	4.2

STORAGE

Type	VAL-P38
Dimensions mm L x W x H	520 x 432 x 126
Weight kg	2,6
Supplied with the tool	✓
Purchase separately	-



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- Battery charger
- USB cable
- Plastic carrying case suitable for storing the tool and 14 die sets

The 63 kN B500E is suitable for a wide range of connectors up to 300 sqmm using die sets common to the Cemtre 50 kN tooling range. New Li-Ion 18 V 4 Ah batteries offer a higher capacity than 14.4 V 3 Ah.

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.



B500E-KV version also available for Power Supply Companies



LED lighting of the working area



Multifunction OLED display with touch button



Anatomically shaped grip for improved comfort



Slot-in battery with release button

B550E

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
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 206 to 220



TECHNICAL FEATURES

Crimping force kN	63
Dimensions mm	
Length	300
Height	343
Width	83
Battery	18.0V 4.0Ah
Weight kg (with Battery)	4,2

STORAGE

Type	VAL-P38
Dimensions mm L x W x H	520 x 432 x 126
Weight kg	2,6
Supplied with the tool	✓
Purchase separately	-

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- Battery charger
- USB cable
- Plastic carrying case suitable for storing the tool and accessories



The next generation of Cembre cordless hydraulic tools represents a significantly advantageous evolution from current models.

The B550E, with adapter AU55-50, will accept all Cembre 50 kN dies; with adapter AU55-W it will accept "W" dies.

New Li-Ion 18 V 4 Ah batteries offer a higher capacity than 14.4 V 3 Ah.

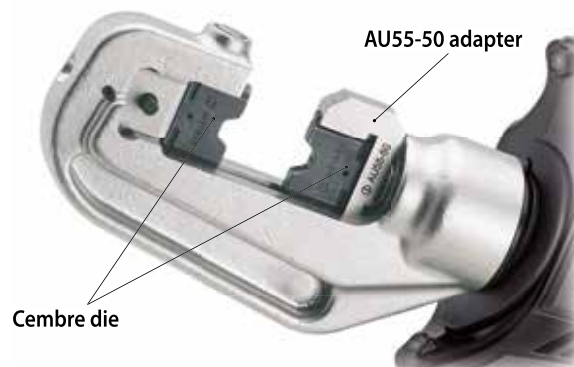
The OLED display provides essential real time tool operating information data including:

- 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.

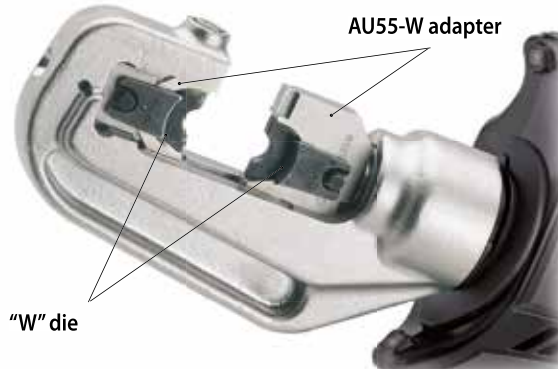


B550E-KV version also available for Power Supply Companies

With adapter AU55-50 for accepting Cembre dies.



With adapter AU55-W for accepting "W" dies.



18.0 V CORDLESS HYDRAULIC CRIMPING TOOLS

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
L.V. lugs and splices																					
Insulated terminals																					
"C" sleeve Connectors																					
H.V. lugs																					
H.V. Splices*																					

*limited to the cable insulation diameter

These tools are supplied without dies. For die selection, please refer to chart on pages 206 to 220

TECHNICAL FEATURES

Crimping force kN	132
Dimensions mm	
Length	338
Height	344
Width	83
Jaw Opening mm	25
Battery	18.0V 4.0Ah
Weight kg (with Battery)	6,5

STORAGE

Type	VAL-P39
Dimensions mm L x W x H	520 x 432 x 126
Weight kg	2,6
Supplied with the tool	✓

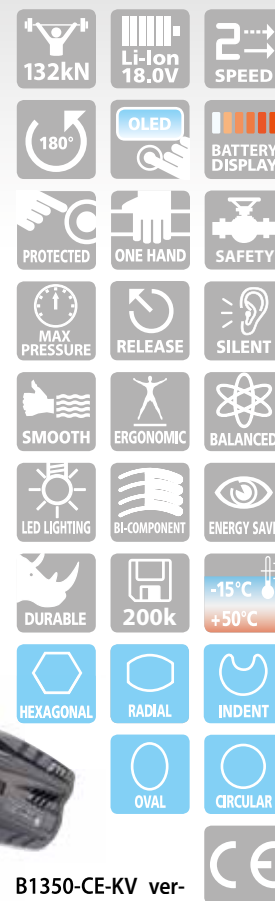


The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- Battery charger
- USB cable
- Plastic carrying case suitable for storing the tool and 8 die sets



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



MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
L.V. lugs and splices																					
Insulated terminals																					
"C" sleeve Connectors																					
H.V. lugs and splices																					

TECHNICAL FEATURES

Crimping force kN	132
Dimensions mm	
Length	395
Height	372
Width	83
Jaw Opening mm	42
Battery	18.0V 4.0Ah
Weight kg (with Battery)	8,1

STORAGE

Type	VAL-P39
Dimensions mm L x W x H	520 x 432 x 126
Weight kg	2,6
Supplied with the tool	✓



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- Battery charger
- USB cable
- Plastic carrying case suitable for storing the tool and 8 die sets



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

B1350L-CE



same characteristics as B1350-CE except:

B1350L-CE version, featuring a large 42 mm jaw opening, for an easier introduction/removal of large size compression terminations and joints.



B1350-UCE

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
L.V. lugs and splices																					
Insulated terminals																					
"C" sleeve Connectors																					
H.V. lugs and splices																					
Alu lugs and splices																					

These tools are supplied without dies. For die selection, please refer to chart on pages 206 to 220



TECHNICAL FEATURES

Crimping force kN	132
Dimensions mm	
Length	351
Height	369
Width	83
Battery	18.0V 4.0Ah
Weight kg (with Battery)	6,3

STORAGE

Type	VAL-P39
Dimensions mm L x W x H	520 x 432 x 126
Weight kg	2,6
Supplied with the tool	✓
Purchase separately	-

B1350-UCE will accept the accessories for performing the "Deep Stepped Indent" system of crimping on Aluminium cables.

The B1350-UCE will accept all semi-circular slotted dies, common to most 12 tons tools (U dies).

New Li-Ion 18 V 4 Ah batteries offer a higher capacity than 14.4 V 3 Ah.

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.

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- Battery charger
- USB cable
- Plastic carrying case suitable for storing the tool and 8 die sets



STORAGE

Type	VAL-130*
Dimensions mm L x W x H	360 x 280 x 48
Weight kg	3,0
Purchase separately	✓

*Suitable for the storage of accessories for crimping Aluminium connectors



VAL-130

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

B1300-CE

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
L.V. lugs and splices																					
Insulated terminals																					
"C" sleeve Connectors																					
H.V. lugs																					
H.V. Splices*																					

*limited to the cable insulation diameter

These tools are supplied without dies. For die selection, please refer to chart on pages 206 to 220

TECHNICAL FEATURES

Crimping force kN	132
Dimensions mm	
Length	406
Height	239
Width	102,5
Jaw Opening mm	25
Battery	18.0V 4.0Ah
Weight kg (with Battery)	6,5

STORAGE

Type	VAL-P44
Dimensions mm L x W x H	680 x 473 x 151
Weight kg	3,7
Supplied with the tool	✓
Purchase separately	-

The tool is supplied as:

- Basic tool with battery and shoulder strap, Spare battery, Battery charger, USB cable
- Plastic carrying case suitable for storing the tool and 12 die sets



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



LED lighting of the
working area



Anatomically
shaped grip for
improved comfort



Slot-in battery with
release button



Multifunction OLED display
with touch button



B1300-CE is suitable for a wide range of connectors up to 400 sqmm using die sets common to the Cembre 130 kN tooling range.

New Li-Ion 18 V 4 Ah batteries offer a higher capacity than 14.4 V 3 Ah.

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.

B1300L-CE

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
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 206 to 220

TECHNICAL FEATURES

Crimping force kN	132
Dimensions mm	
Length	471
Height	239
Width	102,5
Jaw Opening mm	42
Battery	18.0V 4.0Ah
Weight kg (with Battery)	8,0



STORAGE

Type	VAL-P44
Dimensions mm L x W x H	680 x 473 x 151
Weight kg	3,7
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.



The B1300L-CE version, featuring a large 42 mm jaw opening, for an easier introduction/removal of large size compression terminations and joints.

B1300L-CE is suitable for a wide range of connectors up to 400 sqmm using die sets common to the Cemtre 130 kN tooling range.

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- Battery charger
- USB cable
- Plastic carrying case suitable for storing the tool and 12 die sets



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

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

B1300-UCE

general features

MAIN APPLICATIONS - max section sqmm

Section sqmm	0.25÷1.5	1.5÷2.5	4÷6	10	16	25	35	50	70	95	120	150	185	200	240	300	400	500	630	800	1000
L.V. lugs and splices																					
Insulated terminals																					
"C" sleeve Connectors																					
H.V. lugs and splices																					
Alu lugs and splices																					

These tools are supplied without dies. For die selection, please refer to chart on pages 206 to 220

TECHNICAL FEATURES

Crimping force kN	132
Dimensions mm	
Length	423
Height	239
Width	102,5
Battery	18.0V 4.0Ah
Weight kg (with Battery)	6,5



STORAGE

Type	VAL-P44
Dimensions mm L x W x H	680 x 473 x 151
Weight kg	3,7
Supplied with the tool	✓
Purchase separately	-



The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- Battery charger
- USB cable
- Plastic carrying case suitable for storing the tool and 12 die sets

STORAGE

Type	VAL-130*
Dimensions mm L x W x H	360 x 280 x 48
Weight kg	3,0
Purchase separately	✓

*Suitable for the storage of accessories for crimping Aluminium connectors



VAL-130



B1300-UCE will accept the accessories for performing the "Deep Stepped Indent" system of crimping on Aluminium cables.

The B1300-UCE will accept all semi-circular slotted dies, common to most 12 tons tools (U dies).

New Li-Ion 18 V 4 Ah batteries offer a higher capacity than 14.4 V 3 Ah.

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.

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, aldre, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having Ø max 25 mm



Can be operated with one hand.
Balanced for greater control.
Head rotates 180° for ease of operation in confined spaces.
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 to show 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 charger included.
Operating temperature: -15 to +50 °C

TECHNICAL FEATURES

Max cutting Ø mm	25
Dimensions mm	
Length	391
Height	133
Width	81
Battery	18.0V 2.0Ah
Weight kg (with Battery)	3,1

STORAGE

Type	VAL-P22
Dimensions mm L x W x H	465 x 315 x 116
Weight kg	1,5
Supplied with the tool	✓
Purchase separately	-

The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- USB cable
- Plastic carrying case suitable for storing the tool and accessories



CUTTING CAPACITY - a few examples

	MATERIAL	TENSILE STRENGTH (daN/mm²)	MAX CUTTING DIAMETER (mm)
			B35M-TC025E
ROPE & CONDUCTORS	COPPER	≤ 41	25
	ALUMINIUM	≤ 20	25
	ALMELEC	≤ 34	25
	STEEL	≤ 180	INDICATIVE EXAMPLES: 19 x 2,1 : Ø est. = 10,5 mm 19 x 2,2 : Ø est. = 11,0 mm
	MULTI STRANDS STEEL (STRANDS Qty ≥ 200)	≤ 180	-
	ACSR	≤ 180	25 INDICATIVE EXAMPLES: 26 x 2,50 + 7 x 1,95 : Ø est. = 15,85 26 x 3,06 + 7 x 2,38 : Ø est. = 19,38 26 x 3,60 + 7 x 2,80 : Ø est. = 22,80
RODS	STEEL	≤ 60	10
		≤ 42	-
	COPPER	≤ 30	-
		≤ 25	16
	ALUMINIUM	≤ 16	25

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, aldreyl, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having Ø max 26 mm

STORAGE

Type	VAL-P48
Dimensions mm L x W x H	620 x 360 x 138
Weight kg	2,4
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

Max cutting Ø mm	26
Dimensions mm	
Length	436
Height	140
Width	81
Battery	18.0V 2.0Ah
Weight kg (with Battery)	3,4

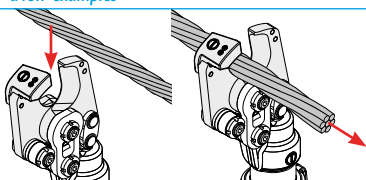
The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- USB cable
- Plastic carrying case suitable for storing the tool and accessories



Can be operated with one hand. Balanced for greater control. Head rotates 180° for ease of operation in confined spaces. The open head and the "scissor" movement of the blades facilitate the cutting of running cables. Fitted with a maximum pressure valve.

CUTTING CAPACITY - a few examples



Section	Ø	Ø	Stranding	Cable Type
mm²	mm	mm		
120	13,3 mm	-	-	RIM120
95	18,5 mm	-	-	Steel cable flex
50	8,9	-	7x2,95 mm	Bronze
70	10,3	-	19 x 2,06 mm	Bronze
95	12,5	-	19 x 2,50 mm	Bronze
70	10,7	-	19/2,14	Aluminium
95	12,5	-	19/2,5	Aluminium
150	15,75	-	37/2,25	Aluminium
323	23,25	-	19/4,65	Aluminium
415	-	26,46	37/3,78	Aluminium
35/6	8,1	-	7/2,70	Aluminium-steel
50/8	9,6	-	7/3,20	Aluminium-steel
50/30	11,7	-	12/2,33+7/2,33	Aluminium-steel
70/12	11,6	-	7/1,45+26/1,80	Aluminium-steel
95/15	13,4	-	7/1,65+26/1,10	Aluminium-steel
150/25	17,3	-	7/2,15+20/2,70	Aluminium-steel
230/30	21,0	-	24/3,5+7/2,33	Aluminium-steel
226	19,5	-	37/2,79	Aluminium-steel
239	20,1	-	37/2,87	Rope Aluminium Alloy
153	16,0	-	19/3,2	Cu
16	9,0	-	126/0,4	Cu flex
70	19,5	-	2214/0,2	Cu extra flex
120	19,9	-	608/0,5	Cu flex
240	-	28,6	1221/0,5	Cu flex
50	11,0	-	Class 5	Aluminium flex

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 to show 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 charger included.

Operating temperature:

-15 to +50 °C

B-TC250E

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 25 mm



TECHNICAL FEATURES

Max cutting Ø mm	25
Dimensions mm	
Length	300
Height	337
Width	83
Battery	18.0V 4.0Ah
Weight kg (with Battery)	2,6

STORAGE

Type	VAL-P40
Dimensions mm L x W x H	520 x 432 x 126
Weight kg	2,6
Supplied with the tool	✓
Purchase separately	-

The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- 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, aldrej, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having a max overall diameter of 25 mm.

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18 V 4 Ah 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-TC250E 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. Operating temperature: -15 to +50 °C

CUTTING CAPACITY - a few examples

	MATERIAL	TENSILE STRENGTH (daN/mm ²)	MAX CUTTING DIAMETER (mm)
			B-TC250E
ROPE & CONDUCTORS	COPPER	≤ 41	25
	ALUMINIUM	≤ 20	25
	ALMELEC	≤ 34	25
	STEEL	≤ 180	INDICATIVE EXAMPLES: 7 x 3,0 : Ø est. = 9,0 mm 19 x 2,1 : Ø est. = 10,5 mm 19 x 2,3 : Ø est. = 11,5 mm
	MULTI STRANDS STEEL (STRANDS Qty ≥ 200)	≤ 180	18
	ACSR	≤ 180	25 INDICATIVE EXAMPLES: 26 x 2,50 + 7 x 1,95 : Ø est. = 15,85 26 x 3,06 + 7 x 2,38 : Ø est. = 19,38 26 x 3,60 + 7 x 2,80 : Ø est. = 22,80
RODS	STEEL	≤ 60	13
		≤ 42	16
	COPPER	≤ 30	20
		≤ 25	23
	ALUMINIUM	≤ 16	25

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 45 mm

TECHNICAL FEATURES

Max cutting Ø mm	45
Dimensions mm	
Length	407
Height	401
Width	88
Battery	18.0V 4.0Ah
Weight kg (with Battery)	6,7



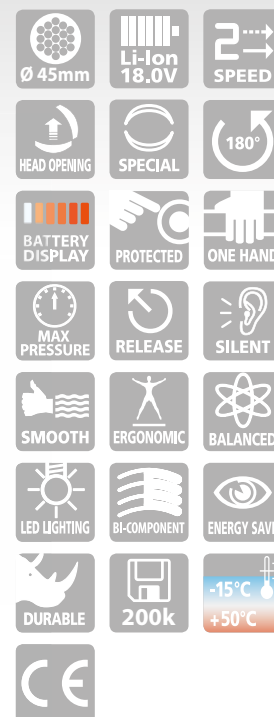
STORAGE

Type	VAL-P40
Dimensions mm L x W x H	520 x 432 x 126
Weight kg	2,6
Supplied with the tool	✓
Purchase separately	-

The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- USB cable
- Plastic carrying case suitable for storing the tool and accessories

B-TC450E



CUTTING CAPACITY - a few examples

	MATERIAL	TENSILE STRENGTH (daN/mm²)	MAX CUTTING DIAMETER (mm)
			B-TC450E
ROPE & CONDUCTORS	COPPER	≤ 41	45
	ALUMINIUM	≤ 20	45
	ALMELEC	≤ 34	45
	STEEL	≤ 180	INDICATIVE EXAMPLES: 7 x 3,0 : Ø est. = 9,0 mm 19 x 2,1 : Ø est. = 10,5 mm 19 x 2,3 : Ø est. = 11,5 mm
	MULTI STRANDS STEEL (STRANDS Qty ≥ 200)	≤ 180	18
	ACSR	≤ 180	45 INDICATIVE EXAMPLES: 26 x 2,50 + 7 x 1,95 : Ø est. = 15,85 26 x 3,06 + 7 x 2,38 : Ø est. = 19,38 26 x 3,60 + 7 x 2,80 : Ø est. = 22,80 54 x 3,50 + 19 x 2,10 : Ø est. = 31,50 54 x 4,36 + 19 x 2,62 : Ø est. = 39,20
RODS	STEEL	≤ 60	18
		≤ 42	20
	COPPER	≤ 30	30
		≤ 25	32
	ALUMINIUM	≤ 16	45

Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut Copper, aldrej, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having a max overall diameter of 45 mm.

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18 V 4 Ah 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-TC450E 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.

Operating temperature: -15 to +50 °C

B-TC500YE

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminum, Aluminum-Steel cables (ACSR) having Ø max 50 mm
Not suitable for cutting stay wire, Steel rope or earthing rod



TECHNICAL FEATURES

Max cutting Ø mm	50
Dimensions mm	
Length	405
Height	398
Width	83
Battery	18.0V 4.0Ah
Weight kg (with Battery)	5,8

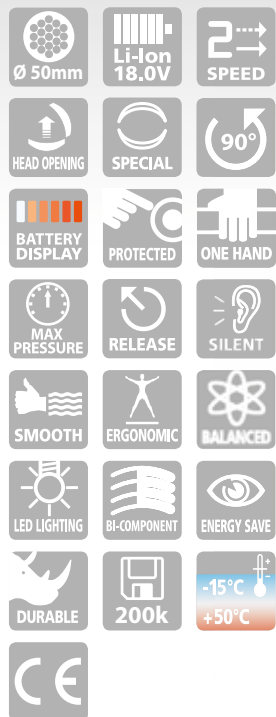
STORAGE

Type	VAL-P40
Dimensions mm L x W x H	520 x 432 x 126
Weight kg	2,6
Supplied with the tool	✓
Purchase separately	-



The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- 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 50 mm. The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18 V 4 Ah 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 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-TC500YE 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. Operating temperature: -15 to +50 °C

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

specifically designed to cut Copper, aldrety, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having Ø max 55 mm



TECHNICAL FEATURES

Max cutting Ø mm	55
Dimensions mm	
Length	441
Height	424
Width	87
Battery	18.0V 4.0Ah
Weight kg (with Battery)	8,9

STORAGE

Type	VAL-P40
Dimensions mm L x W x H	520 x 432 x 126
Weight kg	2,6
Supplied with the tool	✓
Purchase separately	-

CUTTING CAPACITY - a few examples

	MATERIAL	TENSILE STRENGTH (daN/mm²)	MAX CUTTING DIAMETER (mm)
			B-TC550E
ROPE & CONDUCTORS	COPPER	≤ 41	55
	ALUMINIUM	≤ 20	55
	ALMELEC	≤ 34	55
	STEEL	≤ 180	INDICATIVE EXAMPLES: 7 x 3,0 : Ø est. = 9,0 mm 19 x 2,1 : Ø est. = 10,5 mm 19 x 2,3 : Ø est. = 11,5 mm
	MULTI STRANDS STEEL (STRANDS Qty ≥ 200)	≤ 180	22
	ACSR	≤ 180	50 INDICATIVE EXAMPLES: 26 x 2,50 + 7 x 1,95 : Ø est. = 15,85 26 x 3,06 + 7 x 2,38 : Ø est. = 19,38 26 x 3,60 + 7 x 2,80 : Ø est. = 22,80 26 x 4,44 + 7 x 3,45 : Ø est. = 28,14 54 x 3,50 + 19 x 2,10 : Ø est. = 31,50 54 x 4,36 + 19 x 2,62 : Ø est. = 39,20 83 x 4,60 + 16 x 2,80 : Ø est. = 50,00
	GUY WIRE (GW15-9/16-188)	Extra high strenght grade	7 x 4,77 : Ø est. = 14,30 mm
RODS	STEEL	≤ 60	20
		≤ 42	22
	COPPER	≤ 30	34
		≤ 25	38,5
	ALUMINIUM	≤ 16	50

The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- USB cable
- Plastic carrying case suitable for storing the tool and accessories

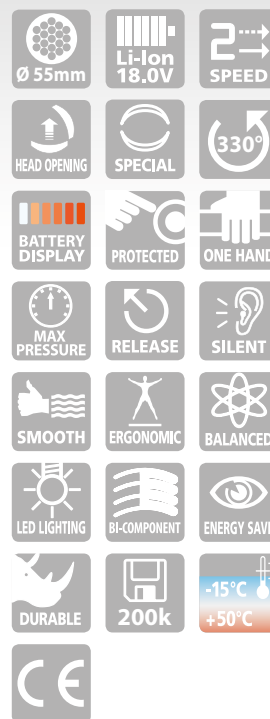


Next generation of 18.0 V cordless hydraulic cutting tool Specifically designed cut Copper, Aldrey, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having a max overall diameter of 55 mm.

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18 V 4 Ah 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 330 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

B-TC550E



Fitted with a maximum hydraulic pressure valve.

Designed with improved balance, B-TC550E 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.

Operating temperature:

-15 to +50 °C

B-TC500E

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminium and Telecommunications cable having Ø max 50 mm



TECHNICAL FEATURES

Max cutting Ø mm	50
Dimensions mm	
Length	405
Height	398
Width	83
Battery	18.0V 4.0Ah
Weight kg (with Battery)	5,8

STORAGE

Type	VAL-P40
Dimensions mm L x W x H	520 x 432 x 126
Weight kg	2,6
Supplied with the tool	✓
Purchase separately	-



The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- 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, Aluminium and telecommunication cable having a max overall diameter of 50 mm. The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18 V 4 Ah 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 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-TC500E 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. Operating temperature: -15 to +50 °C

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminium and Telecommunications cable having Ø max 65 mm



TECHNICAL FEATURES

Max cutting Ø mm	65
Dimensions mm	
Length	429
Height	415
Width	83
Battery	18.0V 4.0Ah
Weight kg (with Battery)	6,4

STORAGE

Type	VAL-P40
Dimensions mm L x W x H	520 x 432 x 126
Weight kg	2,6
Supplied with the tool	✓
Purchase separately	-



The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- USB cable
- Plastic carrying case suitable for storing the tool and accessories

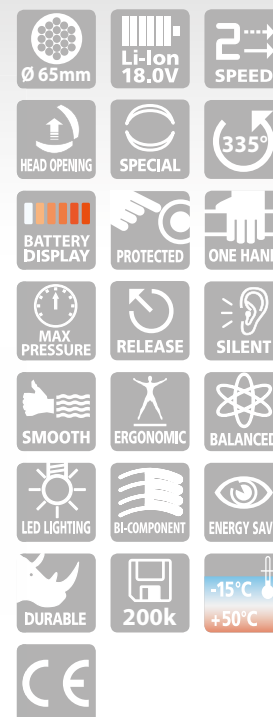
Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut Copper, Aluminium and telecommunication cable having a max overall diameter of 65 mm. The blades are manufactured from high strength special Steel, heat treated to ensure a long service life.

New Li-Ion 18 V 4 Ah 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 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-TC650E 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.

Operating temperature:
-15 to +50 °C



B-TC650E

B-TC650-SCE

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminium and Telecommunications cable having Ø max 65 mm



TECHNICAL FEATURES

Max cutting Ø mm	65
Dimensions mm	
Length	503
Height	464
Width	105
Battery	18.0V 4.0Ah
Weight kg (with Battery)	7,7

STORAGE

Type	VAL-B-TC950
Dimensions mm L x W x H	565 x 410 x 132
Weight kg	6,7
Supplied with the tool	✓
Purchase separately	-

Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut Copper, Aluminium and telecommunication cable having a max overall diameter of 65 mm. 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 18 V 4 Ah 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-TC650-SCE 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. Operating temperature: -15 to +50 °C



The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- USB cable
- Metal carrying case suitable for storing the tool and accessories

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

specifically designed to cut Copper, Aluminium and Telecommunications cable having Ø max 95 mm

TECHNICAL FEATURES

Max cutting Ø mm	95
Dimensions mm	
Length	518
Height	468
Width	83
Battery	18.0V 4.0Ah
Weight kg (with Battery)	7,8

Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut Copper, Aluminium and telecommunication cable having a max overall diameter of 95 mm. The blades are manufactured from high strength special Steel, heat treated to ensure a long service life.

New Li-Ion 18 V 4 Ah 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.

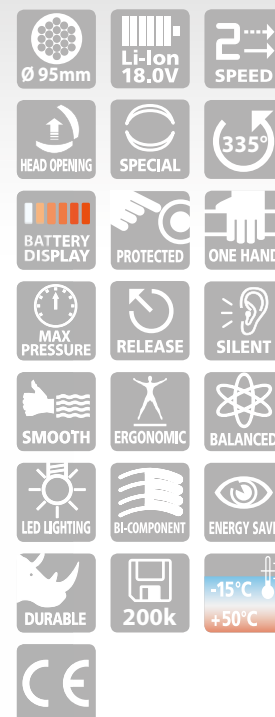
The head can rotate through 335 degrees, to enable the operator to work in the most comfortable position, and can easily be opened to allow cutting of running cables.

Fitted with a maximum hydraulic pressure valve.

Designed with improved balance, B-TC950E 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.

Operating temperature: -15 to +50 °C



STORAGE

Type	VAL-B-TC950
Dimensions mm L x W x H	565 x 410 x 132
Weight kg	6,7
Supplied with the tool	✓
Purchase separately	-



The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- USB cable
- Metal carrying case suitable for storing the tool and accessories

B-TC4500E

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 45 mm

TECHNICAL FEATURES

Max cutting Ø mm	45
Dimensions mm	
Length	486
Height	239
Width	103
Battery	18.0V 4.0Ah
Weight kg (with Battery)	6,44

STORAGE

Type	VAL-P54
Dimensions mm L x W x H	690 x 446 x 179
Weight kg	5,5
Supplied with the tool	✓
Purchase separately	-



The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- 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, aldrej, Aluminium, Aluminium-Steel cables and Steel ropes, Aluminium and Steel rods having a max overall diameter of 45 mm.

The blades are manufactured from high strength special Steel, heat treated to ensure a long service life. New Li-Ion 18 V 4 Ah 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-TC4500E 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.

Operating temperature:

-15 to +50 °C

CUTTING CAPACITY - a few examples

	MATERIAL	TENSILE STRENGTH (daN/mm ²)	MAX CUTTING DIAMETER (mm)
			B-TC4500E
ROPE & CONDUCTORS	COPPER	≤ 41	45
	ALUMINIUM	≤ 20	45
	ALMELEC	≤ 34	45
	STEEL	≤ 180	INDICATIVE EXAMPLES: 7 x 3,0 : Ø est. = 9,0 mm 19 x 2,1 : Ø est. = 10,5 mm 19 x 2,3 : Ø est. = 11,5 mm
	MULTI STRANDS STEEL (STRANDS Qty ≥ 200)	≤ 180	18
	ACSR	≤ 180	45 INDICATIVE EXAMPLES: 26 x 2,50 + 7 x 1,95 : Ø est. = 15,85 26 x 3,06 + 7 x 2,38 : Ø est. = 19,38 26 x 3,60 + 7 x 2,80 : Ø est. = 22,80 54 x 3,50 + 19 x 2,10 : Ø est. = 31,50 54 x 4,36 + 19 x 2,62 : Ø est. = 39,20
RODS	STEEL	≤ 60	18
		≤ 42	20
	COPPER	≤ 30	30
		≤ 25	32
	ALUMINIUM	≤ 16	45

18.0 V Cordless hydraulic Frame-Type hole punching tool

B-FC470E

general features

MAIN APPLICATIONS

specifically designed to punching holes from 15,5 up to 47,2 mm diameter

TECHNICAL FEATURES

Max hole punch Ø mm	47,2
Max centre of hole to edge of trunking (mm)	53,5
Dimensions mm	
Length	379
Height	346
Width	83
Battery	18.0V 4.0Ah
Weight kg (with Battery)	6,2

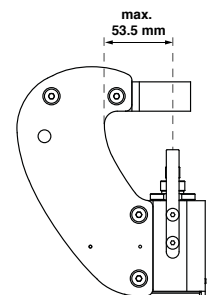
STORAGE

Type	VAL-FC470
Dimensions mm L x P	559x459x131
Weight kg	6,7
Supplied with the tool	✓
Purchase separately	-



The tool is supplied as:

- Basic tool with battery and wrist strap
- Spare battery
- Battery charger
- 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 15,5 up to 47,2 mm diameter in the side wall of trunking without the need for pre drilling.

New Li-Ion 18 V 4 Ah batteries offer a higher capacity than 14.4 V 3 Ah, 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-FC470E 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:

-15 to +50 °C

Also available in the hand operated mechanical version MT-FC48N (see page 126).

Table denotes the punch/die set reference, for each hole size. Suitable for punching holes in mild Steel, fibreglass or plastic material, up to 2 mm thick.

Hole Dimensions					Maximum thickness of mild Steel (mm)	Type
Nominal	Ø (mm)	Ø (inch)	Pg	ISO		
	15,5	.610	Pg9	-	-	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

B-FL750E

18.0 V Cordless hydraulic Puller-Type hole punching tool

general features

MAIN APPLICATIONS

specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 3,5 mm thickness

TECHNICAL FEATURES

Max Punching Ø mm	140
Dimensions mm	
Length	363
Height	366
Width	83
Battery	18.0V 4.0Ah
Weight kg (with Battery)	5,1

STORAGE

Type	VAL-P40
Dimensions mm L x W x H	520 x 432 x 126
Weight kg	2,6
Supplied with the tool	✓
Purchase separately	-

The tool is supplied as:

- Basic tool with battery and shoulder strap
- Spare battery
- Battery charger
- USB cable
- Puller TD-11
- Puller TD-19
- Spiral bit Ø 11,5 mm
- Plastic carrying case suitable for storing the tool and accessories



Next generation of 18.0V cordless hydraulic tool specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 3,5 mm thickness.

New Li-Ion 18 V 4 Ah batteries offer a higher capacity than 14.4 V 3 Ah, while greater punch speed and punching 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 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-FL750E 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.

For the punch-die selection chart see page 191.

Operating temperature: -15 to +50 °C



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

Round punch

Hole diameter				Material max thickness (mm)		Pilot hole Ø (mm)	Type	
Nominal Ø (mm)	Ø (inch)	Pg	ISO	Stainless Steel	Mild Steel		KIT (Punch + Die)	Puller
15.5	.610	Pg9	-	-	-	11,5	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	Pg13.5	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	Pg21	-	-	-	20,0	RD28.5SS-19	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"	-		RD60.5SS	
60.5	2.381	-	-	-	-	29,0	RD60.5SS	TD-28.5*
64.0	2.520	-	ISO-63	-	-		RD64.5SS	
65.0	2.559	-	-	-	-		RD65.5SS	
76.0	2.992	-	-	G2 1/2"	-		RD76.5SS	
76.5	3.011	-	-	-	-		RD76.5SS	
80.5	3.169	-	-	-	-		RD80.5SS	
89.0	3.503	-	-	G3"	-		RD89.5SS	
90.0	3.543	-	-	-	-		RD90.5SS	
100.0	3.937	-	-	-	-		RD100.5SS	
102.0	4.015	-	-	-	-		RD102.5SS	
114.0	4.488	-	-	-	-		RD114.5SS	
120.0	4.724	-	-	-	-		RD120.5SS	
140.0	5.512	-	-	-	-		RD140.5SS	

* Puller included in the kit

"D" punch

Hole diameter				Material max thickness (mm)		Pilot hole Ø (mm)	Type	
Nominal (mm)	(inch)	Stainless Steel	Mild Steel				KIT (Punch+die + Puller)	
(a)38.3 x (b)36.6	(a)1.507 x (b)1.442	2,5	3,5	18,5			RD18D	
(a)43.1 x (b)41.5	(a)1.696 x (b)1.632						RD24D	

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

Square punch

Hole diameter				Material max thickness (mm)		Pilot hole Ø (mm)	Type	
Nominal (mm)	(inch)	Stainless Steel	Mild Steel				KIT (Punch+die + Puller)	
21,0 x 21,0	.827 x .827	2,5	3,5	12,0			RD21X21	
46,0 x 46,0	1.811 x 1.811			26,5			RD46X46	
68,0 x 68,0	2.677 x 2.677	1,5	2,0	22,5			RD68X68	
92,0 x 92,0	3.622 x 3.622						RD92X92	
126,0 x 126,0	4.960 x 4.960						RD126X126	
138,0 x 138,0	5.433 x 5.433	1,0	1,5	28,5			RD138X138	
220,0 x 220,0	8.661 x 8.661						RD220X220	

Rectangular punch

Hole diameter				Material max thickness (mm)		Pilot hole Ø (mm)	Type	
Nominal (mm)	(inch)	Stainless Steel	Mild Steel				KIT (Punch+die + Puller)	
18,0 x 46,0	.709 x 1.811	2,0	2,0	16,5			RD18X46	
22,0 x 30,0	.866 x 1.181						RD22X30	
22,0 x 46,0	.866 x 1.811						RD22X46	
35,0 x 86,0	1.377 x 3.385						RD35X86	
35,0 x 112,0	1.377 x 4.409	1,5	2,0	23,8			RD35X112	
36,0 x 46,0	1.417 x 1.811						RD36X46	
37,0 x 54,0	1.456 x 2.125			16,5			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			26,5			RD46X54	
46,0 x 72,0	1.811 x 2.835						RD46X72	
46,0 x 107,0	1.811 x 4.212						RD46X107	
50,0 x 98,0	1.968 x 3.858			28,5			RD50X98	
67,0 x 126,0	2.637 x 4.960						RD67X126	

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

Use of non-Cembre punching accessories

Type	Punch & Die	Pilot hole Ø mm
TRD-9,4C (*)	GREENLEE 3/8" - 24 UNF	Ø 9.7
TRD-M11C (*)	BM, COSMEC (M11x1.5)	Ø 11.5
TD-M16C	BM, COSMEC (M16x1.5)	Ø 16.5 or RD17.5SS
TD-27	BM, COSMEC (Ø105-Ø140)	Ø 27.5
TD-14X14-M14	BM, COSMEC 46x46	Ø 18.8
TD-120X20-M20	BM, COSMEC 92x92	Ø 27.5
TD-20X20-M20	BM, COSMEC 42x95	Ø 27.5
TGD-13.5X13.5-M13	BM, COSMEC 40x40; 45x45; 46x46 (M13)	Ø 18.8
TGD-10X10-M9	BM, COSMEC 006505	Ø 13.8
TD-9	IMB 9601	Ø 9.3
T-M11C	IMB 9602	Ø 11.3
TD-16	IMB 9603	Ø 16.5
TD-10X10-M10	IMB 9623	Ø 12.5
TD-14X14-M14/1"	IMB 9625	Ø 18
TD-20 (without plug)	IMB 9626	Ø 26.5
TD-20X20-M20 (with plug)	IMB 9626	Ø 27.5

(*) 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

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-C, B131-C-KV, B131LN-C, B131LN-C-KV, B135-C, B135-C-KV, B135LN-C, B135LN-C-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, B15D (use adaptor available separately), B35-45MD, B35-50MD, B46, B51, B51-KV, B51L, B51L-KV, B54D, B55, B55-KV, B62.



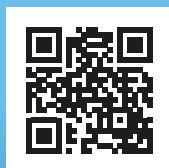
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