

MECHANICAL AND PNEUMATIC TOOLS



symbol description

professional mechanical tools - hydraulic bench press



Can be operated with one hand



Hexagonal crimp



Manual pressure release button



Radial crimp



Ergonomically designed with a sculptured body for operator comfort



Indent crimp



Lightweight and balanced for greater control



Indent crimp



Dual-compound plastic handles
Greater safety and comfort in handling, thanks to the rubber inserts



Oval crimp



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



Trapezium crimp



Extremely quiet in operation



Rhomboidal crimp



Protected against accidental intrusions



Square crimp

symbol description

professional mechanical tools - hydraulic bench press



Operating temperature range



Halogen free



USL-CNL Marking valid in USA & CANADA



CE marking



HP1

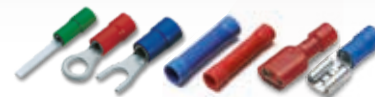
MECHANICAL TOOLS CRIMPSTAR® RANGE

for insulated terminals and connectors



Upon request: all Crimpstar tools can be supplied with a certificate of calibration

Crimpstar®



TECHNICAL FEATURES:

Crimping Range	PVC, PC and PA6.6 insulated terminals and connectors for conductor sizes 24 to 13 AWG
Dimensions in.	
Length	9.2
Width	2.8
Height	0.7
Weight lbs.	1.13
Package Dimensions	9.4 x 3.2 x 1.0

Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.

- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).

- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.

- Ergonomically designed non-slip moulded plastic grips.

HP3 HP3-1

MECHANICAL TOOLS CRIMPSTAR® RANGE

for insulated terminals and connectors



Crimpstar®



HP3-1 version with positioner for PVC, PC and PA6.6 insulated terminals and connectors



TECHNICAL FEATURES

Crimping Range	PVC, PC and PA6.6 insulated terminals and connectors for conductor sizes 23 to 10 AWG
Dimensions in.	
Length	9.2
Width	2.8
Height	0.7
Weight lbs.	1.14
Package Dimensions	9.4 x 3.2 x 1.0



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).

- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

MECHANICAL TOOLS CRIMPSTAR® RANGE

HNN3

for insulated terminals and connectors

Crimpstar®

Upon request: all Crimpstar tools can be supplied with a certificate of calibration



TECHNICAL FEATURES

Crimping Range	PA6.6 insulated terminals and connectors for conductor sizes 16 to 8 AWG
Dimensions in.	
Length	9.2
Width	2.8
Height	0.7
Weight lbs.	1.08
Package Dimensions	9.4 x 3.2 x 1.0



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).

- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

MECHANICAL TOOLS CRIMPSTAR® RANGE

HNN4

for insulated terminals and connectors

Crimpstar®



TECHNICAL FEATURES

Crimping Range	PA6.6 insulated terminals and connectors for conductor sizes 8 to 6 AWG
Dimensions in.	
Length	9.2
Width	2.8
Height	0.7
Weight lbs.	1.08
Package Dimensions	9.4 x 3.2 x 1.0



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).

- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

HPH1

MECHANICAL TOOLS CRIMPSTAR® RANGE

for through connectors PE HD insulated, heat shrinkable



Upon request: all Crimpstar tools can be supplied with a certificate of calibration

Crimpstar®



TECHNICAL FEATURES

Crimping Range

Through connectors PE HD insulated, heat shrinkable
for conductor sizes 20 to 10 AWG and
NL-M, NL-P connectors PA6.6 insulated for conductor sizes 22 to 10 AWG

Dimensions in.

Length	9.2
Width	2.8
Height	0.7
Weight lbs.	1.13
Package Dimensions	9.4 x 3.2 x 1.0



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

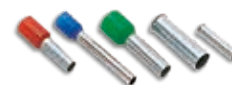
HNKE4

MECHANICAL TOOLS CRIMPSTAR® RANGE

for end sleeves



Crimpstar®



TECHNICAL FEATURES

Crimping Range

End sleeves
for conductor sizes 20 to 12 AWG

Dimensions in.

Length	9.3
Width	2.8
Height	0.7
Weight lbs.	1.14
Package Dimensions	9.4 x 3.2 x 1.0



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

MECHANICAL TOOLS CRIMPSTAR® RANGE

HNKE16

for end sleeves

Crimpstar®

Upon request: all Crimpstar tools can be supplied with a certificate of calibration



TECHNICAL FEATURES

Crimping Range	End sleeves for conductor sizes 12 to 6 AWG
Dimensions in.	
Length	9.3
Width	2.8
Height	0.7
Weight lbs.	1.08
Package Dimensions	9.4 x 3.2 x 1.0



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).

- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

MECHANICAL TOOLS CRIMPSTAR® RANGE

HNKE50

for end sleeves

Crimpstar®



TECHNICAL FEATURES

Crimping Range	End sleeves for conductor sizes 3 - 2 - 1/0 AWG
Dimensions in.	
Length	9.2
Width	2.8
Height	0.7
Weight lbs.	1.30
Package Dimensions	9.4 x 3.2 x 1.0



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).

- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

HN1

MECHANICAL TOOLS CRIMPSTAR® RANGE

for uninsulated terminals and connectors



Upon request: all Crimpstar tools can be supplied with a certificate of calibration

Crimpstar®



TECHNICAL FEATURES

Crimping Range	Uninsulated terminals and connectors for conductor sizes 22 to 8 AWG
Dimensions in.	
Length	9.2
Width	2.8
Height	0.7
Weight lbs.	1.06
Package Dimensions	9.4 x 3.2 x 1.0

Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

HN5

MECHANICAL TOOLS CRIMPSTAR® RANGE

for uninsulated terminals and connectors



Crimpstar®



TECHNICAL FEATURES

Crimping Range	Uninsulated terminals and connectors for conductor sizes 8 to 6 AWG
Dimensions in.	
Length	9.2
Width	2.8
Height	0.7
Weight lbs.	1.08
Package Dimensions	9.4 x 3.2 x 1.0

Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

MECHANICAL TOOLS CRIMPSTAR® RANGE

for uninsulated terminals and connectors A-M, L-M and L-P series

Crimpstar®

Upon request: all Crimpstar tools can be supplied with a certificate of calibration



TECHNICAL FEATURES

Crimping Range	Uninsulated terminals and connectors A-M, L-M and L-P series for conductor sizes 8 to 4 AWG
Dimensions in.	
Length	9.0
Width	3.1
Height	0.7
Weight lbs.	1.10
Package Dimensions	9.4 x 3.2 x 1.0



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).

- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

MECHANICAL TOOLS CRIMPSTAR® RANGE

for Cu tube lugs DR (DIN 46235) and through connectors DSV (DIN 46267)

Crimpstar®



TECHNICAL FEATURES

Crimping Range	Cu tube lugs DR (DIN 46235) and through connectors DSV (DIN 46267) for conductor sizes 8 to 4 AWG
Dimensions in.	
Length	9.0
Width	3.1
Height	0.7
Weight lbs.	1.10
Package Dimensions	9.4 x 3.2 x 1.0



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).

- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

HF1

MECHANICAL TOOLS CRIMPSTAR® RANGE

for open barrel brass terminals



Upon request: all Crimpstar tools can be supplied with a certificate of calibration

Crimpsstar®



TECHNICAL FEATURES

Crimping Range	Open barrel brass terminals for conductors sizes 20 to 12 AWG (not BN-FAB/FAR type)
Dimensions in.	
Length	9.2
Width	2.8
Height	0.7
Weight lbs.	1.12
Package Dimensions	9.4x3.2x1.0

Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

HF2

MECHANICAL TOOLS CRIMPSTAR® RANGE

for open barrel brass terminals



Crimpsstar®



TECHNICAL FEATURES

Crimping Range	Open barrel brass terminals for conductors sizes 28 to 16 AWG
Dimensions in.	
Length	9.2
Width	2.8
Height	0.7
Weight lbs.	1.09
Package Dimensions	9.4x3.2x1.0

Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

MECHANICAL TOOLS CRIMPSTAR® RANGE

HX1

for coaxial connectors

Crimpstar®

Upon request: all Crimpstar tools can be supplied with a certificate of calibration



TECHNICAL FEATURES

Crimping Range	Coaxial connectors type RG58, RG59, RG62 and RG 71
Dimensions in.	
Length	9.2
Width	2.8
Height	0.7
Weight lbs.	1.06
Package Dimensions	9.4 x 3.2 x 1.0



Manual tool, compact and easy to use, equipped with:

- treated steel crimp jaws with high mechanical properties.
- factory-set ratchet for crimping control (automatic handle opening upon completion of crimping operation).

- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure.
- Ergonomically designed non-slip moulded plastic grips.

for insulated and uninsulated end sleeves



A generation of tools, with a unique mechanism to reduce operator effort. Small and compact, with ergonomically designed handles for ease of operation.

High quality materials combined with advanced design and manufacturing technology, produce a reliable tool with a guaranteed consistent crimping operation.



ND1



TECHNICAL FEATURES

Crimping Range

Insulated and uninsulated end sleeves
for conductors sizes 22 to 15 AWG

Dimensions in.

Length	7.5
Width	2.8
Height	0.8
Weight lbs.	1.04



ND2



TECHNICAL FEATURES

Crimping Range

Insulated and uninsulated end sleeves
for conductors sizes 17 to 10 AWG

Dimensions in.

Length	7.5
Width	2.8
Height	0.8
Weight lbs.	1.04



ND3



TECHNICAL FEATURES

Crimping Range

Insulated and uninsulated end sleeves
for conductors sizes 10 to 5 AWG

Dimensions in.

Length	7.5
Width	2.8
Height	0.8
Weight lbs.	1.04



ND4



TECHNICAL FEATURES

Crimping Range

Insulated and uninsulated end sleeves
for conductors sizes 20 to 11 AWG

Dimensions in.

Length	7.5
Width	2.8
Height	0.8
Weight lbs.	1.04



Package Dimensions in.

7.7 x 3.0 x 0.8 in.

MECHANICAL TOOLS ZKE RANGE

for insulated and uninsulated end sleeves

ZKE



TECHNICAL FEATURES

Crimping Range	Single aperture, ratchet controlled tool for crimping end sleeves, 28 to 7 AWG side insertion
Dimensions in.	
Length	7.1
Width	3.1
Height	0.79
Weight lbs.	0.89



ZKE610



TECHNICAL FEATURES

Crimping Range	Single aperture, ratchet controlled tool for crimping end sleeves, 28 to 6 AWG side insertion
Dimensions in.	
Length	7.0
Width	2.9
Height	1.18
Weight lbs.	0.93



ZKE616



TECHNICAL FEATURES

Crimping Range	Tool for crimping end sleeves 20 to 10 AWG front insertion
Dimensions in.	
Length	7.87
Width	3.15
Height	0.79
Weight lbs.	0.82



ZKE6-F



TECHNICAL FEATURES

Crimping Range	For end sleeves 20 to 6 AWG
Dimensions in.	
Length	7.48
Width	2.4
Height	0.43
Weight lbs.	0.53



ZKE2

HP4-R

MECHANICAL TOOLS HP4 RANGE

for insulated terminals and connectors



Professional manual mechanical tool with ratchet mechanism that prevents the handles from opening again before reaching the ratchet. Equipped with a positioning device to reduce the operator's effort and facilitate proper crimping of the conductor.

According to the different thicknesses of the conductor insulation, the crimping on the insulation can be carried out by adjusting the jaws through three different settings: 1) strong, 2) medium, 3) light. The tool is particularly easy to use thanks to its shape and handle coating.

TECHNICAL FEATURES

Crimping Range

PVC, PC and PA6.6 insulated terminals and connectors for conductor sizes 23 to 15 AWG

Dimensions in.

Length	10.4
Width	3.1
Height	0.94
Weight lbs.	1.1
Package Dimensions in.	13.0 x 4.3 x 2.0



Construction features:

- Special treated and externally protected steel body, ratchet and handles.
- Handle coating in soft red PVC plastic.

HP4-B

MECHANICAL TOOLS HP4 RANGE

for insulated terminals and connectors



Professional manual mechanical tool with ratchet mechanism that prevents the handles from opening again before reaching the ratchet. Equipped with a positioning device to reduce the operator's effort and facilitate proper crimping of the conductor.

According to the different thicknesses of the conductor insulation, the crimping on the insulation can be carried out by adjusting the jaws through three different settings: 1) strong, 2) medium, 3) light. The tool is particularly easy to use thanks to its shape and handle coating.

TECHNICAL FEATURES

Crimping Range

PVC, PC and PA6.6 insulated terminals and connectors for conductor sizes 15 to 13 AWG

Dimensions in.

Length	10.4
Width	3.1
Height	0.94
Weight lbs.	1.1
Package Dimensions in.	13.0 x 4.3 x 2.0



Construction features:

- Special treated and externally protected steel body, ratchet and handles.
- Handle coating in soft blue PVC plastic.

MECHANICAL TOOLS HP4 RANGE

for insulated terminals and connectors

HP4-G



TECHNICAL FEATURES

Crimping Range	PVC, PC and PA6.6 insulated terminals and connectors for conductor sizes 11 to 10 AWG
Dimensions in.	
Length	12.6
Width	4.1
Height	0.98
Weight lbs.	1.8
Package Dimensions in.	13.0 x 4.3 x 2.0

Professional manual mechanical tool with ratchet mechanism that prevents the handles from opening again before reaching the ratchet. Equipped with a positioning device to reduce the operator's effort and facilitate proper crimping of the conductor.

According to the different thicknesses of the conductor insulation, the crimping on the insulation can be carried out by adjusting the jaws through three different settings: 1) strong, 2) medium, 3) light. The tool is particularly easy to use thanks to its shape and handle coating.



Construction features:

- Special treated and externally protected steel body, ratchet and handles.
- Handle coating in soft yellow PVC plastic.

MECHANICAL TOOLS HP4 RANGE

for sleeve connectors

HP4-C10



TECHNICAL FEATURES

Crimping Range	For sleeve connectors type C6-C6 and C10-C10
Dimensions in.	
Length	12.8
Width	4.1
Height	0.83
Weight lbs.	1.6
Package Dimensions in.	13.0 x 4.3 x 2.0



Professional manual mechanical tool with ratchet mechanism that prevents the handles from opening again before reaching the ratchet. The tool is particularly easy to use thanks to its shape and handle coating.

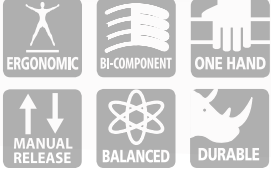
Construction features:

- Special treated and externally protected steel body, ratchet and handles.
- Handle coating in soft yellow PVC plastic.

HWE1

MECHANICAL TOOL HWE1

with interchangeable dies



A robust and reliable tool designed to optimise the installers time and effort.
A single tool body with a range of interchangeable dies allows a quick and simple transfer from one cable/connector combination to another, across a range of applications.

TECHNICAL FEATURES:

- Automatic opening of handles following completion of the crimping operation
- Dull Nickel finish
- Anti-slip handle grips

INTERCHANGEABLE DIES INCLUDED IN THE KIT

INSULATED AND UNINSULATED END SLEEVES

WF16

Size 20 ÷ 6 AWG

INSULATED CONNECTORS RED, BLUE AND YELLOW

IT6

Size 20 ÷ 10 AWG

INTERCHANGEABLE DIES TO ORDER SEPARATELY

PHOTOVOLTAIC CONNECTORS (MULTI-CONTACT)

MC3

Size 12 ÷ 10 AWG

MC4

Size 12 ÷ 10 AWG



INSULATED AND UNINSULATED END SLEEVES

WF6

Size 20 ÷ 10 AWG

WF35

Size 6 ÷ 2 AWG

UNINSULATED CABLE LUGS

NIT10

Size 20 ÷ 8 AWG

OPEN BARREL BRASS CONNECTORS

OB2.5P

Size 20 and 14 AWG

SUB-D075

Size 30 and 18 AWG

SUB-D050

Size 28 and 20 AWG

COAXIAL CONNECTORS

C59

RG58, RG59, RG62

TECHNICAL FEATURES

Dimensions in.

Length	9.45
Width	3.1
Height	1.28
Weight lbs.	1.3



KIT-HWE1

comprising:

- HWE1 Manual mechanical tool
- WF16 die
- IT6 die
- all contained in a sturdy plastic case with extra compartments for interchangeable dies

MLRJ1

MECHANICAL TOOL MLRJ1

MARKETline range



TECHNICAL FEATURES

Crimping Range

For crimping plugs RJ 11; RJ 12; RJ 14; RJ 22; RJ 45.
With cutting and wire-stripping blades

Dimensions in.

Length	8.3
Width	2.9
Height	0.9
Weight lbs.	1.16



MECHANICAL TOOL IDT

with modular interchangeable dies

Dies for photovoltaic connectors



4300-3541
Tyco Solarlok

4300-3539
MC4 Multi Contact

4300-3540
MC3 Multi Contact

See page 132 for HB11 cable stripper



TECHNICAL FEATURES

Dimensions in.

Length	9.21
Width	2.5
Height	0.9
Weight lbs.	1.0

INTERCHANGEABLE DIES TO ORDER SEPARATELY

INSULATED CONNECTORS RED, BLUE, YELLOW and GREEN

4300-3129	4300-3128
Size 20 ÷ 14 AWG (Red - Blue)	Size 12 ÷ 10 AWG (Yellow) Size 26 ÷ 21 AWG (Green)

CONNECTORS WITH HEAT SHRINKABLE INSULATION

4300-3258	4300-3262
Size 20 ÷ 14 AWG (Red - Blue)	Size 12 ÷ 10 AWG (Yellow) Size 22 ÷ 18 AWG (Green)

UNINSULATED CONNECTORS

4300-3137	4300-3241
Size 18 ÷ 14 AWG	Size 12 ÷ 8 AWG

CONTACTS FOR MULTI POLAR CONNECTORS (eg. ILME, HTS, CONTACT)

4300-3147	4300-3148
Size 26 ÷ 12 AWG	Size 10 ÷ 8 AWG

INSULATED AND UNINSULATED END SLEEVES

4300-3127	4300-3153	4300-3154
Size 22 ÷ 8 AWG	Size 6 ÷ 4 AWG	Size 2 ÷ 1/0 AWG

OPEN BARREL CONNECTORS

4300-3146
Size 20 ÷ 10 AWG

BNC/TNC CONNECTORS FOR COAXIAL CABLES

4300-3136	4300-3140
RG 58, 59, 62, 71	RG 174, 179

TV - SATELLITE RECEIVER CONNECTORS

4300-3138
RG 6, 59

PHONE CONNECTORS

4300-3144	4300-3132
RJ 45 (LARGE)	RJ 11 (SMALL)

PHOTOVOLTAIC CONNECTORS (MULTI-CONTACT)

4300-3540	4300-3539	4300-3541
MC3	MC4	Tyco Solarlok
Size 14 - 12/10 AWG	Size 14 - 12/10 AWG	Size 14 - 12/10 AWG



A robust and reliable tool designed to optimise the installers time and effort.

A single tool body with a range of interchangeable dies allows a quick and simple transfer from one cable/connector combination to another, across a wide range of applications. Modular dies may be inserted/extracted without using any tools and are connected in pairs for speed and convenience.

To assist correct die selection, the type of connector is illustrated on each die.

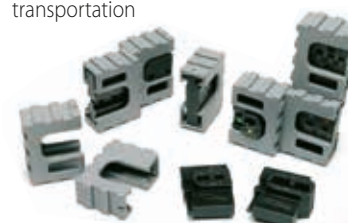
Each die also carries an illustration of the steps in each crimping process, to assist in achieving the best result.



VALSTAR-R3/IDT

To order separately - sturdy plastic case designed to store an IDT tool and up to 10 modular dies.

Modular die storage housings are easily combined for convenient transportation



Modular die pack



TN70SEY

MECHANICAL TOOLS TN RANGE

for uninsulated terminals and connectors



Professional manual mechanical tool suitable for crimping A-M Cu lugs and non-insulated L-M and L-P connectors.
Heat treated steel crimp jaws.
Easily adjustable die positioning by knurled screw and reference vernier scale.
Handles made from anti-slip plastic with hilt.



TECHNICAL FEATURES

Crimping Range	Uninsulated terminals and connectors for conductor sizes 10 to 2/0 AWG
Dimensions in.	
Length	17.7
Width	5.0
Height	1.9
Weight lbs.	4.4

TNN70

MECHANICAL TOOLS TN RANGE

for insulated terminals and connectors



Professional manual mechanical tool suitable for the crimping of wire terminals and PA 6.6 insulated connectors.
Heat treated steel crimp jaws.
Easily adjustable die positioning by knurled screw and reference vernier scale.
Handles made from anti-slip plastic with hilt.



TECHNICAL FEATURES

Crimping Range	Polyamide PA6.6 insulated terminals and connectors for conductor sizes 8 to 2/0 AWG
Dimensions in.	
Length	17.7
Width	5.0
Height	1.9
Weight lbs.	4.4

MECHANICAL TOOLS TN RANGE

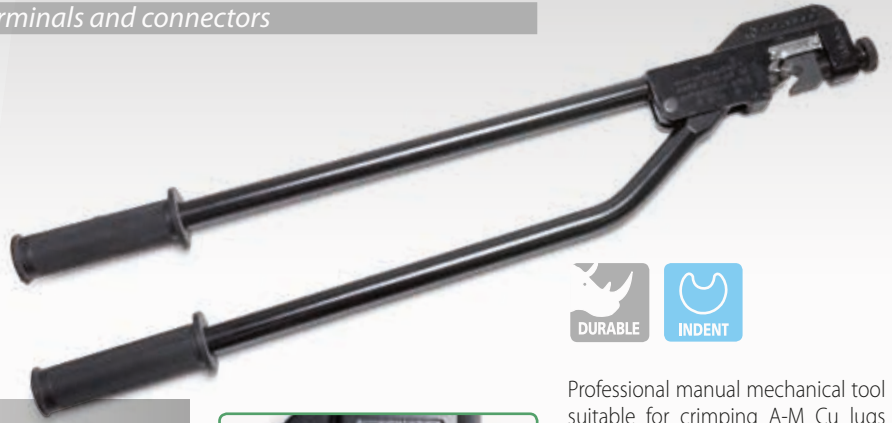
for uninsulated terminals and connectors

TN120SEY



TECHNICAL FEATURES

Crimping Range	Uninsulated terminals and connectors for conductor sizes 8 to 300 AWG
Dimensions in.	
Length	27.5
Width	6.7
Height	1.9
Weight lbs.	6.6



Professional manual mechanical tool suitable for crimping A-M Cu lugs and non-insulated L-M and L-P connectors.

Heat treated steel crimp jaws.

Easily adjustable die positioning by knurled screw and reference vernier scale.

Handles made from anti-slip plastic with hilt.

MECHANICAL TOOLS TN RANGE

for insulated terminals and connectors

TNN120



TECHNICAL FEATURES

Crimping Range	Polyamide PA6.6 insulated terminals and connectors for conductor sizes 8 to 300 AWG
Dimensions in.	
Length	27.5
Width	6.7
Height	1.9
Weight lbs.	6.6



Professional manual mechanical tool suitable for the crimping of wire terminals and PA 6.6 insulated connectors.

Heat treated steel crimp jaws.

Easily adjustable die positioning by knurled screw and reference vernier scale.

Handles made from anti-slip plastic with hilt.

TND6-70

MECHANICAL TOOLS TND RANGE

for uninsulated terminals and connectors according to DIN 46235 and DIN 46267 T.1



Mechanical tools equipped with rotating dies with hexagonal imprint compliant with DIN 480863 suitable to crimp Copper lugs according to DIN 46235 and through connectors according to DIN 46267 T.1 (refer to page 48-49), particularly sturdy and easy to handle.



TECHNICAL FEATURES

Crimping Range	Uninsulated terminals and connectors according to DIN 46235 and DIN 46267 T.1 for conductor sizes 10 to 2/0 AWG
Dimensions in.	
Length	20.3
Width	5.2
Height	1.8
Weight lbs.	4.4



TND10-120

MECHANICAL TOOLS TND RANGE

for uninsulated terminals and connectors according to DIN 46235 and DIN 46267 T.1



Mechanical tools equipped with rotating dies with hexagonal imprint compliant with DIN 480863 suitable to crimp Copper lugs according to DIN 46235 and through connectors according to DIN 46267 T.1 (refer to page 48-49), particularly sturdy and easy to handle.



TECHNICAL FEATURES

Crimping Range	Uninsulated terminals and connectors according to DIN 46235 and DIN 46267 T.1 for conductor sizes 8 to 250 AWG
Dimensions in.	
Length	26.2
Width	6.4
Height	2.0
Weight lbs.	8.1



CABLE CUTTERS KT RANGE

for cutting cables Cu and Al

KT

TECHNICAL FEATURES

Cutting Capacity	Rigid	Multi-Cond.	Flex
Section Cond. mm²	Cu 6 Al 2	Cu 1/0 Al 1/0	Cu 2/0
Dimensions in.			
Length		6.7	
Width		1.8	
Weight lbs.		0.46	

KT1



TECHNICAL FEATURES

Cutting Capacity	Rigid	Multi-Cond.	Flex
Section Cond. mm²	Cu 6 Al 1/0	Cu 1/0 Al 2/0	Cu 3/0
Dimensions in.			
Length		8.26	
Width		1.8	
Weight lbs.		0.65	

KT2



TECHNICAL FEATURES

Cutting Capacity	for cutting cables Cu and Al up to max section 3 AWG
Dimensions in.	
Length	6.7
Width	2.0
Weight lbs.	0.24

KT5



TECHNICAL FEATURES

Cutting Capacity	For cutting cables Cu and Al Ø max 1.34 in. (600 MCM)
Dimensions in.	
Length	10.2
Weight lbs.	1.3

KT3N



TECHNICAL FEATURES

Cutting Capacity	For cutting cables Cu and Al Ø max 2.4 in. (1000 NCM)
Dimensions in.	
Length	11.7
Weight lbs.	1.76

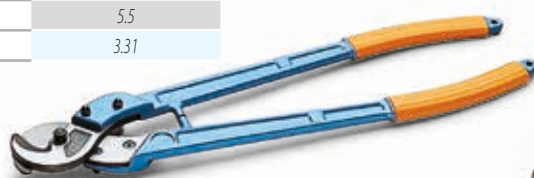
KT4N



TECHNICAL FEATURES

Cutting Capacity	For cutting cables Cu and Al Ø max 0.71 in.
Dimensions in.	
Length	23.6
Width	5.5
Weight lbs.	3.31

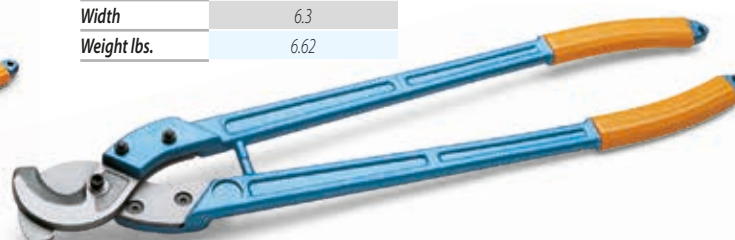
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TECHNICAL FEATURES

Cutting Capacity	For cutting cables Cu and Al Ø max 1.0 in.
Dimensions in.	
Length	31.5
Width	6.3
Weight lbs.	6.62

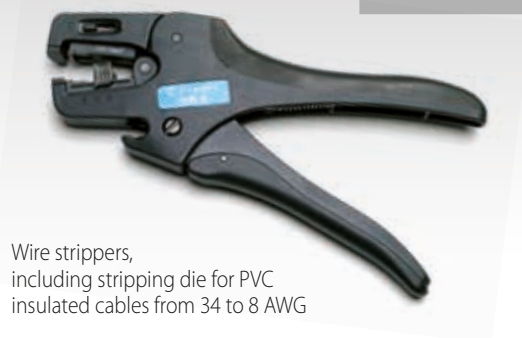
5116660500



HB6

WIRE STRIPPERS HB RANGE

for insulated cables



Wire strippers, including stripping die for PVC insulated cables from 34 to 8 AWG

Interchangeable stripping dies available upon request:



4320-0866, rounded blades
suitable for:
PVC from 10 to 5 AWG



4320-0864, flat blade
suitable for:
PVC from 34 to 8 AWG



4320-0865, 'V' blades
suitable for:
PTFE from 28 to 12 AWG

HB11



For photovoltaics insulated cables 14 to 10 AWG stripping length 0.33 in.



SC1

PROFESSIONAL SCISSORS SC RANGE

for flexible conductors Cu-Al



Electricians scissors with high tensile steel blades allowing for excellent strength and performance. Specially micro-serrated blades for anti-slip purpose. Handles are made from dual component materials.

SC5X

Robust-A



Professional scissors with Special Steel frame, high hardness blades (58 HRC) and anti slide serrations. The moulded plastic handles combine a rigid structure with a softer material for finger comfort.
Cutting of flexible conductors up to 1/0 AWG



Supplied with carry case and swivel belt hook.

SC3X



Multi-purpose scissors with high hardness blades (56 HRC) and anti slide serrations. The moulded plastic handles combine a rigid structure with a softer material for finger comfort.
Cutting of flexible conductors up to 2 AWG

SC6X

Agil-E



Only 0.2 lbs weight, the tapered blades and streamlined handles encourage agility and speed of operation. Handles have an integrated crimping system for end sleeves.
Cutting of flexible conductors up to 1/0 AWG



Supplied with carry case belt hook.

CABLE STRIPPING TOOLS HB RANGE

for external sleeves of Low/Medium Voltage cables



Universal cable stripping tool for external sleeves of Low/Medium Voltage cables Ø 0.5 to 2.5 in. and primary insulator in XLPE max Ø 1.5 in.



HB13UE

For vulcanised extruded semiconductor



The HB12N kit includes:

- HB12N cable stripping tool
- sturdy plastic case



HB12N cable stripping tool removes the semiconductor layer by being manually rotated around the cable while lateral advancement is achieved automatically. Safe and convenient, it can be used on cables with a semi-con diameter between 0.71 to 2.4 in.

- Sturdy frame in anodised Aluminum alloy and Steel.
- Special Steel blade with precise cutting depth regulation.
- Stripping operation can start at any point along the conductor.
- Bearing mounted rollers provide smooth cutting action.
- With "REVERSE" function, which allows the removal of semiconductor up to 0.28 in. thick from the sheath of the cable.
- Double speed for each direction.

HB12N

HB2 HB40-U



Wire stripper, for circular cables

HB2 Ø 3/16 to 1 1/8 in.

HB40-U Ø 3/4 to 1 9/16 in.

HB10



Insulated knife has an interchangeable straight blade and plastic blade protector that folds into the handle. Ergonomic handle made of anti shock plastic material

HB9



Insulated knife, with curved blade and protective cover.

Suitable for insulation and screen removal, equipped with blade guide to avoid damage to strands. Handle is made of a bi-component plastic material.



KTS1632

HAND TOOLS

for cutting and sealing flexible plastic conduit



Cuts and seals flexible plastic conduit in a single operation. Lightweight and easy to operate. Suitable for flexible conduits from Ø 0.63 to Ø 1.26 in.



TECHNICAL FEATURES

<i>Dimensions in.</i>	
<i>Length</i>	9.05
<i>Width</i>	2.28
<i>Thickness</i>	1.26
<i>Weight lbs.</i>	0.71

PC1

for cutting plastic pipe



Plastic pipe cutting tool
Cutting capacity:
from Ø 0.23 to Ø 1.65 in.



Body: die-cast Aluminum alloy
Blade material: hardened Carbon Steel

TECHNICAL FEATURES

<i>Dimensions in.</i>	
<i>Length</i>	7.68
<i>Width</i>	3.8
<i>Thickness</i>	1.06
<i>Weight lbs.</i>	0.7

MT-FC48N

FRAME-TYPE HOLE PUNCHING TOOL

for cable trunking



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

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

Hole Dimensions					Maximum thickness of mild steel (in.)	Type
Nominal						
Ø (mm)	Ø (inch)	Pg	ISO	Inch		
15,5	.610	Pg9	-	-	0.08	RD15.5SS-FC
16,2	.638	-	ISO-16	-		RD16.2SS-FC
17,5	.689	-	-	-		RD17.5SS-FC
18,8	.740	Pg11	-	-		RD18.8SS-FC
19,1	.752	-	-	-		RD19.1SS
20,5	.807	Pg 13,5	ISO-20	-		RD20.5SS
22,6	.890	Pg16	-	-		RD22.6SS
23,8	.937	-	-	5/8"		RD23.8SS
25,4	1.000	-	ISO-25	-		RD25.4SS
27,0	1.063	-	-	3/4"		RD27.0SS
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

TECHNICAL FEATURES

<i>Dimensions in.</i>	
<i>Length</i>	9.9
<i>Width</i>	8.8
<i>Thickness</i>	2.6
<i>Weight lbs.</i>	7.23

VAL-P30
Supplied in a robust plastic case.



BENCH PRESS TOOLS





Pneumo-hydraulic, production bench press, controlled by a foot operated pedal, provides a consistent and reliable crimped connection. Extensive range of interchangeable dies available for crimping a wide variety of connectors.

NOTE: for applications not listed, please contact Cembre.



PNB-1 detail of the crimping zone with PU-1 guard.

TECHNICAL FEATURES

Nominal operating pressure	100 psi
Dimensions in.	
Width	7.09
Depth	12.6
Height	27.56
Weight lbs. (without dies)	50.72

INTERCHANGEABLE DIES (to be ordered separately)

Die Set	Guard*	Connector Type			Nominal Conductor Size AWG		
PV-1	PU-1	Insulated Connectors		green	24÷20		
PR-1				red	22÷16		
PB-1				blue	16÷14		
PG-1				yellow	12÷10		
PH1-1	PH-1**	Through connectors PE HD insulated			20÷10		
		NL-M, NL-P connectors PA6.6 insulated			22÷10		
KE0.75-1	PK-1	End Sleeves		KE, PK...	22 - 20 - 18		
KE2.5-1					17- 16 - 14		
KE10-1					12 - 10 - 8÷7		
MTT16-50	ME-1				6÷5		
MTT25-50					4		
N1-1	PU-1	A 03-M..	S 1.5-..	RN-..	22 - 16		
		A 06-M..	S 2.5-..	BN-..	16 - 14		
		A 1-M..	S 6-..	GN-..	12 - 10		
MY2-50	ME-1	Bare color code copper lugs		C8	8		
MY3-50				C6	6		
MY4-50				C4	4		
MY5-50				C3	3		
MY6-50				C2	2		
MY7-50				C1	1		
MY10-50				C1/0	1/0		
MN2RF-50	MN RF-1	Nylon Insulated Lugs		ANE2-M..	8		
MN3RF-50				ANE3-M..	6		
MN5RF-50				ANE5-M..	5		
MN7RF-50				ANE7-M..	2		
				ANE9-M..			

* Supplied as standard with the machine ** Supplied as standard with the die

BENCH PRESS TOOL

Pneumatic

TECHNICAL FEATURES

Nominal operating pressure 87÷100 psi

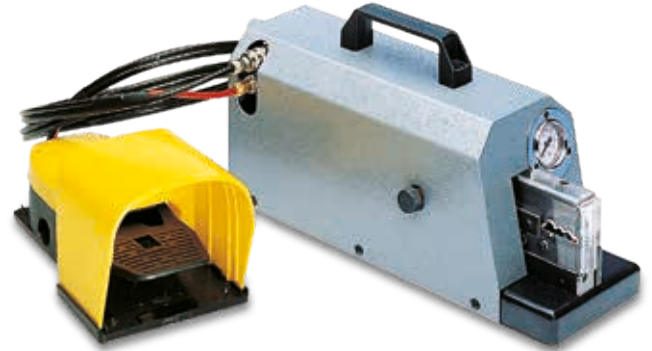
Dimensions in.

Width 5.12
Depth 14.57
Height 7.68
Weight lbs. 22.71



PNB-3P detail of the crimping zone.

Pneumatic bench press operated by foot pedal for crimping terminals and connectors 23 to 5 AWG.



BENCH PRESS RANGE

Type	Connector Type	Conductor Size AWG
PNB-3P*	Insulated connectors red, blue and yellow	22÷10
PNB-3PD	Insulated terminals and butt connectors - frontal insertion	22÷10
PNB-3N1	Uninsulated terminals	22÷8
PNB-3N5	Uninsulated terminals	8÷6
PNB-3NN3	Polyamide insulated terminals	16÷8
PNB-3NN4	Polyamide insulated terminals	8÷6
PNB-3F/M	Bullet connectors	20÷14

* Will also crimp Polycarbonate fully-insulated terminals if fitted with PNB3F/M positioner (Cod. 6240145), available as an optional accessory.

BENCH PRESS TOOL

Pneumatic with multi-aperture die

TECHNICAL FEATURES

Nominal operating pressure 87 psi

Dimensions in.

Width 4.72
Depth 6.3
Height 11.81
Weight lbs. 13.23



PNB-4KE detail of the crimping zone.

Pneumatic bench press, controlled by a foot operated pedal.

Supplied with a multi-aperture die suitable for crimping insulated and uninsulated end sleeves from 22 to 8 AWG.

Compact and efficient. Easy to operate, producing a secure and reliable crimped connection.



MULTI DIES

Type	Connector Type	Conductor Size AWG
PNB-4KE	End Sleeves type PK.. and type KE	22÷8



Bench press type EPB-1N, electro-pneumatically operated, is designed for stripping and crimping insulated end sleeves Cembre type PKC, PKD and PKE. The basic configuration processes connectors of c.s.a 20/18/17 and 16 AWG with a sleeve lengths of 0.24, 0.31, 0.39 and 0.47 in.

Adapter kits are available:
KIT-2.5-EPB1N
for insulated end sleeves c.s.a 14 AWG with a sleeve length of 0.31, 0.39 and 0.47 in.
KIT-4-EPB1N
for insulated end sleeves c.s.a 12 AWG with a sleeve length of 0.39 in.

Stripping and crimping operations are carried out in quick succession. Adjustable loading speed of vibrating charger. Quick and easy change of configuration for different connector sizes. Automatic adjustment of operating parameters to suit each configuration. Modular structure and wear-free components guarantee excellent reliability.



TECHNICAL FEATURES

Crimping Range	20-16 AWG (basic configuration)
Dimensions in.	
Length	15.3
Width	9.4
Height	19.3
Weight lbs.	63.9
Power Supply	230 V/50 Hz (110 V/60 Hz)
Current	0,5 A
Length of crimp	0.24, 0.31, 0.39 and 0.47 in.
Geometry of crimp	Trapezoidal
Cycle time	2 s
Compressed Air supply	Min. 58 - Max 87 psi
Air consumption	1,2 l / cycle
Cycle controller	Electro-pneumatic, with microprocessor
Counter	Digital



Adapter Kit for insulated end sleeves c.s.a 14 AWG (KIT-2.5-EPB1N) (KIT-4-EPB1N)



PNEUMATIC CRIMPING TOOLS

Hand held - PNB series

PNB-6KE TECHNICAL FEATURES

Crimping Range	24 ÷ 14 AWG / 0,25 ÷ 2,5 sqmm
Dimensions in.	
Length	7.9
Width Ø	1.7
Length with spiral hose	78.7
Weight lbs.	0.88

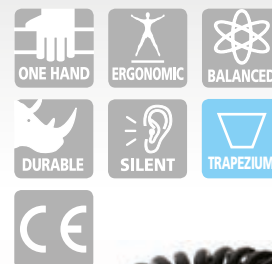
PNB-7KE TECHNICAL FEATURES

Crimping Range	12 ÷ 8 AWG / 4 ÷ 10 sqmm
Dimensions in.	
Length	7.9
Width Ø	1.7
Length with spiral hose	78.7
Weight lbs.	0.88

PNB-6KE and PNB-7KE hand tools facilitate the rapid crimping of insulated end sleeves while avoiding the operator discomfort associated with ordinary manual tools.

Lightweight and easy to use, these tools are ideal for panel building applications and component assembly.

Both tools are designed to be maintenance-free and need no routine calibration. A 58 - 87 psi air supply is required for connection via the quick coupler fitted to the hose supplied with the tool.



PNEUMATIC CRIMPING TOOLS

Bench mounted tools with foot pedal - PNB series

PNB-6KE-T TECHNICAL FEATURES

Crimping Range	24 ÷ 14 AWG / 0,25 ÷ 2,5 sqmm
Dimensions in.	
Length	7.9
Width Ø	5.5
Height	2.7
Length with spiral hose	78.7
Weight lbs.	2.2

PNB-7KE-T TECHNICAL FEATURES

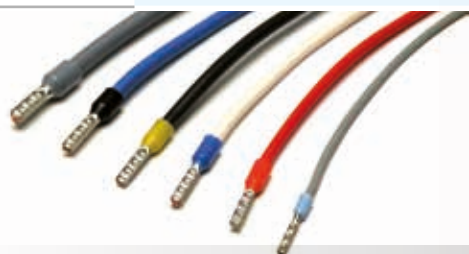
Crimping Range	24 ÷ 14 AWG / 0,25 ÷ 2,5 sqmm
Dimensions in.	
Length	7.9
Width Ø	5.5
Height	2.7
Length with spiral hose	78.7
Weight lbs.	2.2

PNB-6KE-T and PNB-7KE-T have bench mounts with storage and are foot pedal operated to allow operators to have both hands free when assembling cable harnesses.

Both tools are designed to be maintenance-free and need no routine calibration.



A 58 - 87 bar air supply is required for connection via the quick coupler fitted to the hose supplied with the tool.





Electro-pneumatic, production bench press, controlled by a foot operated pedal. Producing a consistent and reliable crimped connection. Interchangeable application heads available to suit the complete range of Polycarbonate insulated connectors.

See pages 8-9 and 20 for types and features of the insulated chain connectors and end sleeves.



Conforms to DIN Standard 46 228/4

TECHNICAL FEATURES

Crimping Range	Polycarbonate insulated chain terminals $23 \div 10 \text{ mm}^2$ and insulated chain end sleeves $20 \div 13 \text{ mm}^2$
Dimensions in.	
Length	7.09
Depth	9.84
Height	24.4
Weight lbs. (without application heads)	90.4
Motor	
Supply Voltage	110 V / 60 Hz
Frequency	50 Hz
Power	0,55 kW / 0,75 HP
Speed	2,800 turns/minute

INTERCHANGEABLE APPLICATION HEADS, SIDE ENTRY WITH PNEUMATIC FEED

Type*	Connectors	Conductor Size AWG
RA-3	Polycarbonate insulated chain terminals	23÷15
BA-3		15÷13
GA-3		11÷10
KE1A-3	Insulated chain end sleeves	20÷17
KE2.5A-3		17÷13

* order as required






















HYDRAULIC CRIMPING TOOLS AND CUTTERS

symbol description

hydraulic crimping tools and cutters

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

symbol description

hydraulic crimping tools and cutters



Hexagonal crimp



Radial crimp



Indent crimp



Deep indent crimp



"W" crimp



Oval crimp



Trapezium crimp



Circular crimp



Max operating pressure



Contains isolated oil



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



HT45-E

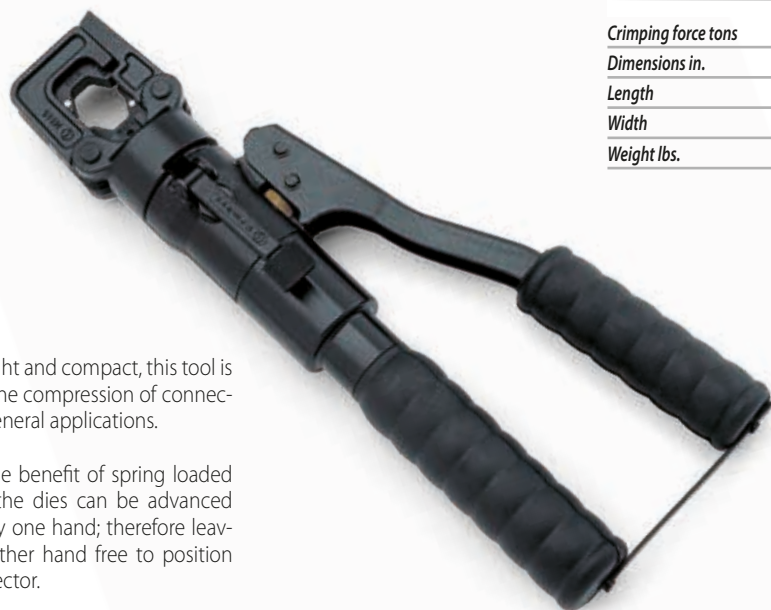
HYDRAULIC CRIMPING TOOL

general features

MAIN APPLICATIONS - max section AWG

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

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



TECHNICAL FEATURES

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

STORAGE

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

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



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

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

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

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

Openable head, ideal for derivations from running conductors

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

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

Pressure releasing system, that can be operated at any stage



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

HYDRAULIC CRIMPING TOOL

HT51

general features

MAIN APPLICATIONS - max section AWG

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

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

STORAGE

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

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

TECHNICAL FEATURES

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



HT51-KV version also available for Power Supply Companies



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

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



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

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

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



RH50

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section AWG

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

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

TECHNICAL FEATURES

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

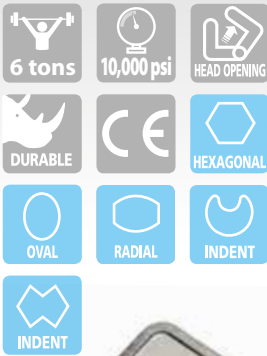
STORAGE

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

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

STORAGE

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



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



HYDRAULIC PRESSHEAD

RHM50

general features

MAIN APPLICATIONS - max section AWG

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

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



Particularly suitable for high volume bench crimping.

TECHNICAL FEATURES

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

STORAGE

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

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



STORAGE

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



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

general features

MAIN APPLICATIONS - max section AWG

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

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

TECHNICAL FEATURES

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

STORAGE

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

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



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

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

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

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

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



HT 120-KV
version also available for
Power Supply Companies

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



Die release system, protected from accidental operation



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



HYDRAULIC CRIMPING TOOL

HT131-C

general features

MAIN APPLICATIONS - max section AWG

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

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

STORAGE

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

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

TECHNICAL FEATURES

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

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

The tool features a double speed ac-
tion: a fast advancing speed for rap-
id approach of the dies to the con-
nector 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 operat-
ed at any stage of compression.



RHC131



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

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section AWG

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

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

TECHNICAL FEATURES

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

STORAGE

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

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



RHC131-KV version also available for electrical utilities



RHM132



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

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section AWG

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

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

TECHNICAL FEATURES

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

STORAGE

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

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



Particularly suitable for high volume bench crimping.

HYDRAULIC CRIMPING TOOL

general features

MAIN APPLICATIONS - max section AWG

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

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

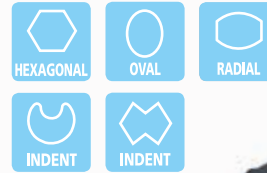
STORAGE

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

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

TECHNICAL FEATURES

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



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



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

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



HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section AWG

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

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

STORAGE

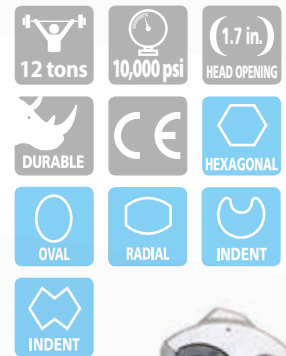
Type	VAL-P26*
Dimensions in. L x W x H	17.52 x 11.42 x 4.53
Weight lbs.	2.6
Supplied with the tool	-
Purchase separately	✓

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

TECHNICAL FEATURES

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

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



HT131-UC

HYDRAULIC CRIMPING TOOL

general features

MAIN APPLICATIONS - max section AWG

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

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

TECHNICAL FEATURES

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

STORAGE

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

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

STORAGE

Type	VAL-130*
Purchase separately	✓

*Suitable for the storage of accessories for crimping Aluminum connectors

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section AWG

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

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

TECHNICAL FEATURES

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

STORAGE

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

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

STORAGE

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

*Suitable for the storage of accessories for crimping Aluminum connectors

STORAGE

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

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



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

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

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

RHU131-C



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

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



HYDRAULIC PRESSHEAD

ECW-H3D

general features

MAIN APPLICATIONS - max section AWG

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

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

STORAGE

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

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



TECHNICAL FEATURES

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



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

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

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

ECW-H3D ACCESSORIES FOR CUTTING CONDUCTORS

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

WT2-3D

This die is suitable to cut Steel conductors (R ≤ 232,000 lbs./sq.in.) having the most common strandings, i.e.:
 19 x 0.047 = Ø est. 0.236 in. 7 x 0.118 = Ø est. 0.354 in.
 19 x 0.083 = Ø est. 0.413 in. 19 x 0.091 = Ø est. 0.453 in.

RHU450



Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max, (see pages 202-208).
Adaptor type AU450-130D is available as an optional extra enabling the head to utilise the semi-circular slotted dies which are common to most 12 tons tools (U dies).

HYDRAULIC PRESSHEAD

general features

MAIN APPLICATIONS - max section AWG

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

These tools are supplied without dies.

TECHNICAL FEATURES

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

STORAGE

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

* Suitable for storage of the head



HYDRAULIC PRESSHEAD

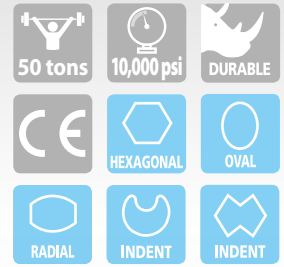
RHU520

general features

MAIN APPLICATIONS - max section AWG

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

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



STORAGE

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

*Suitable for storage of the head

STORAGE

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

*Suitable for storage of 10 sets of dies

TECHNICAL FEATURES

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



VAL-520



VAL-MAT 520

RHU520 DIES

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



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

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

HT-TC051

HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

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



Hand operated hydraulic tool specifically designed to cut Copper, Aluminum and telecommunications cables having a max overall diameter up to 2 inches.

The tool features a double speed action. The blades are manufactured from high strength special Steel, heat treated to ensure a long service life.

TECHNICAL FEATURES

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

STORAGE

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



Not suitable for cutting
Steel reinforced conductors



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

TC050

HYDRAULIC CUTTING HEAD

industrial application

MAIN APPLICATIONS

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



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

TC050 features the same cutting capability as HT-TC051.

TECHNICAL FEATURES

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

STORAGE

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



Not suitable for cutting
Steel reinforced conductors



HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

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

STORAGE

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

TECHNICAL FEATURES

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



Not suitable for cutting
Steel reinforced conductors

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

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



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

HYDRAULIC CUTTING HEAD

industrial application

MAIN APPLICATIONS

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

STORAGE

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

*Suitable for storage of the head

TECHNICAL FEATURES

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

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



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

Not suitable for cutting
Steel reinforced conductors

HT-TC0851

HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

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



Hand operated hydraulic tool specifically designed to cut Copper, Aluminum and telecommunications cables having a max overall diameter up to 3-3/8 in. This model is self contained, robust and sturdy. The tool features a double speed action: a fast advancing speed for rapid approach of the blades to the cable and a slower more powerful speed for cutting.

TECHNICAL FEATURES

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

STORAGE

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

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

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



Not suitable for cutting
Steel reinforced conductors

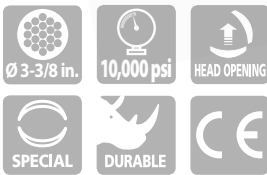
TC085

HYDRAULIC CUTTING HEAD

industrial application

MAIN APPLICATIONS

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



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

TECHNICAL FEATURES

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

STORAGE

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



Not suitable for cutting
Steel reinforced conductors

HYDRAULIC CUTTING HEAD

TC096

industrial application

MAIN APPLICATIONS

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



STORAGE

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

TECHNICAL FEATURES

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



Handle designed for ease of operation

*Not suitable for cutting
Steel reinforced conductors*



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

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

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

TC120



HYDRAULIC CUTTING HEAD

industrial application

MAIN APPLICATIONS

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



TECHNICAL FEATURES

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

STORAGE

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



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

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



Handle designed for ease of operation



Opening head, to allow cutting of running cables

Not suitable for cutting
Steel reinforced conductors

TC 120 cutting capacity - a few examples:

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

HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

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

STORAGE

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

TECHNICAL FEATURES

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



CUTTING CAPACITY

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

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

The tool features a double speed action.

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



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

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

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



HYDRAULIC CUTTING HEAD

overhead line application

MAIN APPLICATIONS

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

STORAGE

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

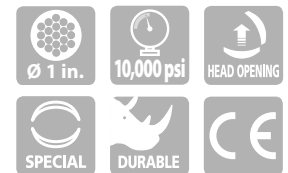
TECHNICAL FEATURES

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



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

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



HT-TC041N

HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

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



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

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

TECHNICAL FEATURES

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

STORAGE

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

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

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

Ideal for EHS guy wire

CUTTING CAPACITY

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

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



TC04N

HYDRAULIC CUTTING HEAD

overhead line application

MAIN APPLICATIONS

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



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

TC04N has the same cutting capability as HT-TC041N.

TECHNICAL FEATURES

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

STORAGE

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

Ideal for EHS guy wire



HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

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

STORAGE

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

TECHNICAL FEATURES

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



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

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



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

HYDRAULIC CUTTING HEAD

overhead line application

MAIN APPLICATIONS

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

STORAGE

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

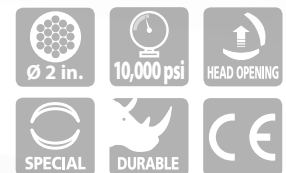
TECHNICAL FEATURES

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



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

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



TC050Y features the same cutting capability as HT-TC051Y.

general features

MAIN APPLICATIONS

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

TECHNICAL FEATURES

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

STORAGE

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

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

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

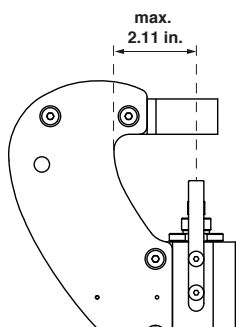


Table denotes the punch/die set reference, for each hole size.

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

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

PIERCING HEADS

general features

RHT160

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

STORAGE

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

*Suitable for storage of the head



RHT160-60N

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



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

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

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

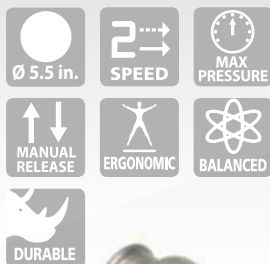
Available accessories (to be ordered separately):

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

Max. thickness

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

HT-FL74



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

Compact, lightweight and easy to handle.

The tool is supplied complete with plastic case VAL-P28 for protection and storage when not in use.

PULLER-TYPE HOLE PUNCHING TOOLS

general features

MAIN APPLICATIONS

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

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

TECHNICAL FEATURES

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

STORAGE

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



HT-FL75



Hand operated hydraulic tool specifically designed for hole punching stainless Steel, mild Steel, fibreglass and plastic sheet materials up to 0.14 in. thickness. Compact, lightweight and easy to handle.

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

The tool is supplied complete with plastic case VAL-P28 for protection and storage when not in use.

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

For the punch-die selection chart see page 167.

TECHNICAL FEATURES

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

STORAGE

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



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

PULLER-TYPE HOLE PUNCHING HEAD

RH-FL75

general features

MAIN APPLICATIONS

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

STORAGE

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



TECHNICAL FEATURES

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



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

Compact and lightweight, easy to handle in confined spaces due to a rotating 90deg quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max (see pages 202-208).

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

For the punch-die selection chart see table below.




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

Round punch

Hole diameter				Material max thickness (in.)		Pilot hole Ø (in.)	Type	
Nominal Ø (mm)	Ø (inch)	Pg	ISO	Stainless Steel	Mild Steel		KIT (Punch + Die)	Puller
15.5	.610	Pg9	-	-	-	0.45	RD15.5SS	TD-11
16.2	.638	-	ISO-16	-	-		RD16.2SS	
17.0	.669	-	-	G3/8"	-		RD17.5SS	
17.5	.689	-	-	-	-		RD17.5SS	
18.8	.740	Pg11	-	-	-		RD18.8SS	
19.1	.752	-	-	-	-		RD19.1SS	
20.5	.807	Pg 13.5	ISO-20	-	-		RD20.5SS	
21.5	.846	-	-	G1/2"	-		RD21.5SS	
22.6	.890	Pg16	-	-	-		RD22.6SS	
23.8	.937	-	-	G5/8"	-		RD23.8SS	
25.4	1.000	-	ISO-25	-	-		RD25.4SS	
27.0	1.063	-	-	G3/4"	-		RD27.5SS	
28.5	1.122	Pg21	-	-	-		RD28.5SS	
30.5	1.201	-	-	G7/8"	-		RD30.5SS	
28.5	1.122	Pg 21	-	-	-		RD28.5SS-19	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	-	-	0.79	RD50.5SS	TD-28.5*
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	-	-	-	-		RD60.5SS	
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	-	-	-	-	1.14	RD80.5SS	
89.0	3.503	-	-	G3"	-		RD89.5SS	
90.0	3.543	-	-	-	0.08		RD90.5SS	
100.0	3.937	-	-	-	0.08		RD100.5SS	
102.0	4.015	-	-	-	0.08		RD102.5SS	
114.0	4.488	-	-	-	0.10		RD114.5SS	
120.0	4.724	-	-	-	0.06		RD120.5SS	
140.0	5.512	-	-	-	0.06		RD140.5SS	

* Puller included in the kit

"D" punch

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

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

Square punch

Hole diameter		Material max thickness (in.)		Pilot hole Ø (in.)	Type
Nominal (mm)	(inch)	Stainless Steel	Mild Steel		
21.0 x 21.0	.827 x .827	0.10	0.14	0.47	RD21X21
46.0 x 46.0	1.811 x 1.811	0.06	0.08	1.04	RD46X46
68.0 x 68.0	2.677 x 2.677			1.12	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	0.04	0.06	1.12	RD138X138
220.0 x 220.0	8.661 x 8.661				RD220X220
224.0 x 224.0	8.818 x 8.818				RD224X224

Rectangular punch

Hole diameter		Material max thickness (in.)		Pilot hole Ø (in.)	Type
Nominal (mm)	(inch)	Stainless Steel	Mild Steel		
18.0 x 46.0	.709 x 1.811	0.08	0.08	0.65	RD18X46
22.0 x 30.0	.866 x 1.181			1.04	RD22X30
22.0 x 46.0	.866 x 1.811				RD22X46
29.0 x 71.0	1.141 x 2.795				RD29X71
35.0 x 65.0	1.377 x 2.559				RD35X65
35.0 x 86.0	1.377 x 3.385				RD35X86
35.0 x 112.0	1.377 x 4.409				RD35X112
36.0 x 46.0	1.417 x 1.811				RD36X46
37.0 x 54.0	1.456 x 2.125				RD37X54
37.0 x 67.0	1.456 x 2.637				RD37X67
37.0 x 88.0	1.456 x 3.464	0.06	0.08	1.12	RD37X88
37.0 x 104.0	1.456 x 4.094				RD37X104
37.0 x 115.0	1.456 x 4.527				RD37X115
46.0 x 54.0	1.811 x 2.126				RD46X54
46.0 x 72.0	1.811 x 2.835				RD46X72
46.0 x 92.0	1.811 x 3.622				RD46X92
46.0 x 107.0	1.811 x 4.212				RD46X107
50.0 x 98.0	1.968 x 3.858				RD50X98
67.0 x 126.0	2.637 x 4.960				RD67X126
72.0 x 136.0	2.834 x 5.354				RD72X136

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

Use of non-Cembre punching accessories

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

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

RHTD

NUT SPLITTING HEADS

general features



RHTD270

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

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



RHTD3241

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

RHTD410T

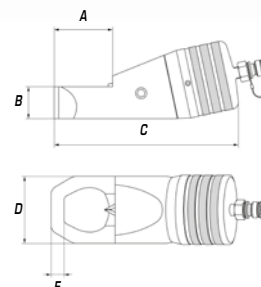
For splitting nuts mm	1-1/16" to 1-5/8"
Max operating pressure psi	10,000
Weight lbs.	10.8

STORAGE

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

Dimensions in.

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



Application range

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

B-TD270



B-TD270

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

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



STORAGE

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



B-TD410T



B-TD410T

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

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





CORDLESS HYDRAULIC TOOLS

symbol description

cordless hydraulic tools

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

symbol description

cordless hydraulic tools



Ensures optimal use of energy available



Max operating pressure



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



Manual pressure release button



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



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



Operating temperature range between -15 and +50°C



Contains isolated oil



Hexagonal crimp



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



Radial crimp



CE marking



Indent crimp



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



Deep indent crimp



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



"W" crimp



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



Oval crimp



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



Trapezium crimp



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



Circular crimp



Data recording and intelligent control allow complete verification of operational parameters. SMARTOOL technology enables the user to store data from up to 200,000 cycles on the integrated memory card for transfer to a computer via a USB cable

18.0 V - 5.2 Ah CORDLESS TOOL FEATURES

general features

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



OPTIONAL ACCESSORIES

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

Technical Specifications:

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

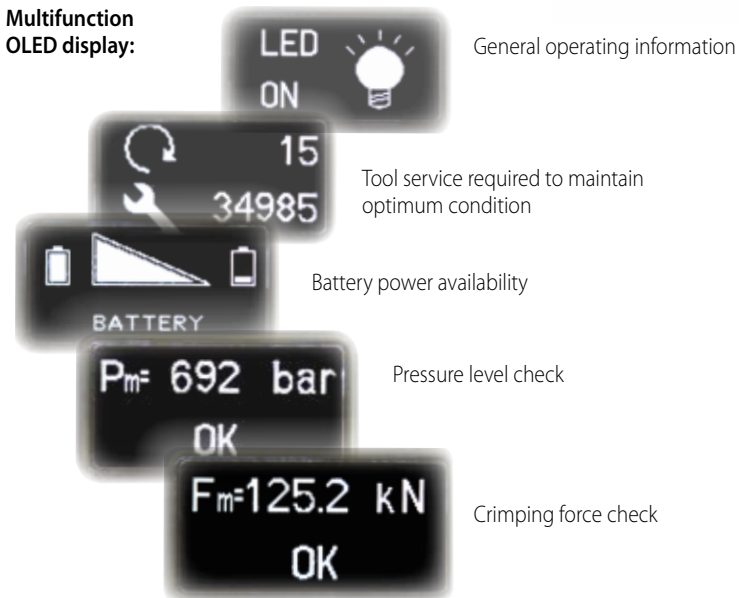


SUPPLIED WITH

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



Multifunction OLED display:



18.0 V - 2.0 Ah CORDLESS TOOL FEATURES

general features

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



New Range *nd*



SUPPLIED WITH

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

OPTIONAL ACCESSORIES

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



general features

MAIN APPLICATIONS - max section AWG

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

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



TECHNICAL FEATURES

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

STORAGE

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



The tool is supplied as:

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

Many different interchangeable crimping dies available

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

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

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



Battery condition display



Interchangeable die sets



Ergonomically designed operating switch



Automatic slot-in battery

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

B500NDA

general features

MAIN APPLICATIONS - max section AWG

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

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

TECHNICAL FEATURES

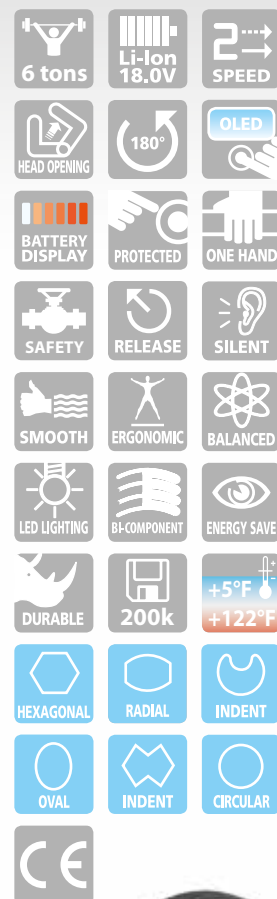
Crimping force tons	6
Dimensions in.	
Length	15.6
Height	5.3
Width	3.2
Battery	18.0V 2.0Ah
Weight lbs. (with Battery)	6.9

STORAGE

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

The tool is supplied as:

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



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

B500NDA is suitable for crimping electrical connectors onto conductor cross sections up to 600 MCM and uses the die sets common to all Cembre 6 tons tools and heads. Equipped with Li-Ion 18V 2Ah rechargeable high capacity batteries. Fitted with a maximum pressure sensor for enhanced precision and repeatability of the maximum pressure cycle, and a pressure relief valve providing additional safety for the operator.

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

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

- generated crimping force thus verifying accordance with best practice
- battery charge status
- general operating information
- the number of work cycles completed and remaining before recommended maintenance.

Weight and balance have been re-configured to yield improvements in handling and convenience.

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).

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

Operating temperature: +5 to +122°F



"Bilinear" mechanical design



4 LED lighting of the working area



Manual pressure release button



OLED multifunctional display with touch button



Battery connection system with release button

B500A

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

general features

MAIN APPLICATIONS - max section AWG

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

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



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

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

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



TECHNICAL FEATURES

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

STORAGE

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

The tool is supplied as:

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



B500A-KV
version also available for
Power Supply Companies



Crimps for charge

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



LED lighting of the working area



Multifunction OLED display with touch button



Anatomically shaped grip for improved comfort



Slot-in battery with release button

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

B550CA

general features

MAIN APPLICATIONS - max section AWG

- Copper lugs and splices 500 MCM

- Aluminium lugs and splices up to 300 MCM

- H taps up to 4/0 - 4/0

"C" sleeve connectors 2/0

TECHNICAL FEATURES

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

STORAGE

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

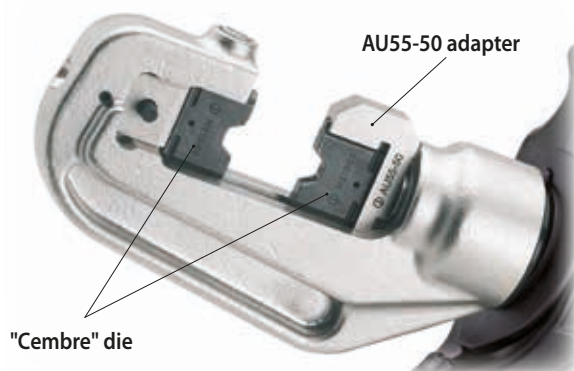


The tool is supplied as:

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



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



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

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

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



B550CA-KV version also available for Electrical Utilities



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

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

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

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

Operating temperature: +5 to +122°F

B1350-CA

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

general features

MAIN APPLICATIONS - max section AWG

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

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



The tool is supplied as:

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

TECHNICAL FEATURES

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

STORAGE

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



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

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

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

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

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

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

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

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

Operating temperature: +5 to +122°F



LED lighting of the working area



Multifunction OLED display with touch button



Anatomically shaped grip for improved comfort



Slot-in battery with release button

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

B1350L-CA

general features

MAIN APPLICATIONS - max section AWG

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

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

TECHNICAL FEATURES

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

STORAGE

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



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



The tool is supplied as:

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

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

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

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

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

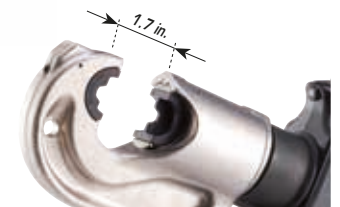
A maximum pressure sensor and pressure relief valve assure greater precision and repeatability of the pressure cycle and double the provision for operator safety.

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

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

Crimps for charge

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



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

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

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

Operating temperature:
+5 to +122°F

general features

MAIN APPLICATIONS - max section AWG

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

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



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

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

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

Crimps for charge

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

TECHNICAL FEATURES

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

STORAGE

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

The tool is supplied as:

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

Operating temperature: +5 to +122°F



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



LED lighting of the working area



Anatomically shaped grip for improved comfort



Slot-in battery with release button



Multifunction OLED display with touch button

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

B1300L-CA

general features

MAIN APPLICATIONS - max section AWG

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

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

TECHNICAL FEATURES

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



STORAGE

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



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

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

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

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

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

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

The tool is supplied as:

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

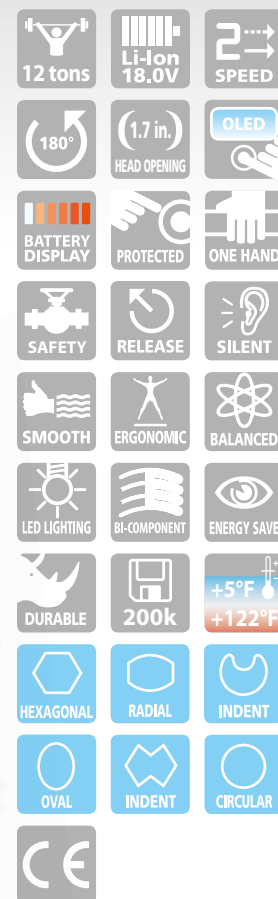
Crimping cycle data (up to 200,000 events) is automatically stored on a memory card for transfer to PC by USB interface.

Operating temperature: +5 to +122°F

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



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



B1500A

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

general features

MAIN APPLICATIONS - max section AWG

- Copper #8 AWG - 1500 MCM

- Aluminium #8 AWG - 1250 MCM



TECHNICAL FEATURES

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

STORAGE

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



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

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

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

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

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

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

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

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

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

Operating temperature: +5 to +122°F

The tool is supplied as:

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

DIE SELECTOR CHART

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



Openable head



Multifunction OLED display with touch button



Anatomically shaped grip for improved comfort



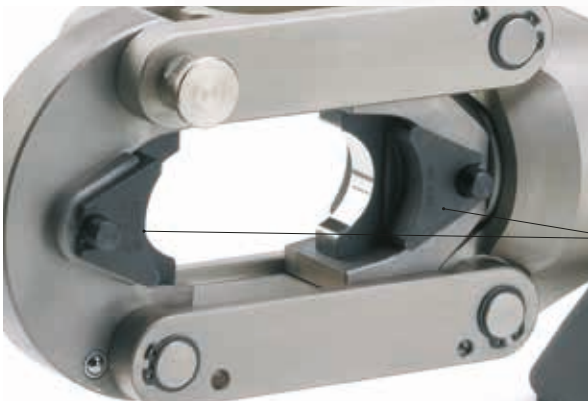
Slot-in battery with release button

18.0 V CORDLESS HYDRAULIC CRIMPING TOOL

B1500A

general features

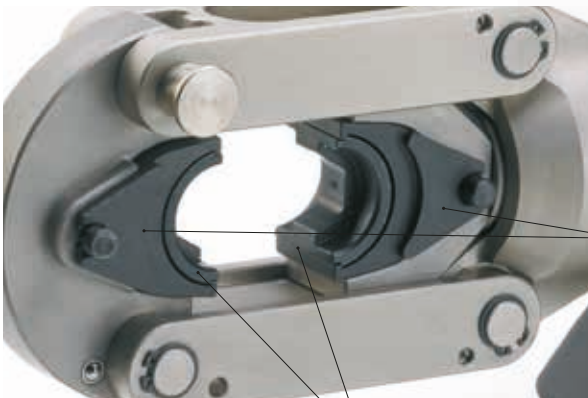
The B1500A with "P" dies.



"P" dies



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



AU150-C adapter

"U" die

overhead line application

MAIN APPLICATIONS

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



TECHNICAL FEATURES

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

STORAGE

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

The tool is supplied as:

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



Ideal for
EHS guy wire

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

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

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

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

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

Fitted with a maximum hydraulic pressure valve.

Weight and balance have been re-configured to yield improvements in handling and convenience.

The more rigid structure of the bi-component plastic body provides greater mechanical protection while its rubber inserts boost operator safety and comfort.

Quieter operation, illumination of the working area via LED lights and a minimum of vibration enhance the tool's practicality.

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

Operating temperature: +5 to +122°F

CUTTING CAPACITY

	MATERIAL	TENSILE STRENGTH (lbs./sq.in.)	MAX CUTTING DIAMETER (in.)
			B-TC250YNDA
ROPE & CONDUCTORS	Copper	≤ 59,450	1
	Aluminum	≤ 29,000	1
	Almelec	≤ 49,300	1
	Steel	≤ 261,000	INDICATIVE EXAMPLES: 7 x 0.118 = Ø out. 0.354 19 x 0.083 = Ø out. 0.413 19 x 0.091 = Ø out. 0.453
	MULTI STRANDS Steel (STRANDS Qty ≥ 200)	≤ 261,000	0.709
	ACSR	≤ 261,000	1 INDICATIVE EXAMPLES: 26 x 0.098 + 7 x 0.077 : Ø out. = 0.624 26 x 0.120 + 7 x 0.094 : Ø out. = 0.763 26 x 0.142 + 7 x 0.110 : Ø out. = 0.897
RODS	Steel	≤ 87,000	0.511
		≤ 60,900	0.629
	Copper	≤ 43,000	0.787
		≤ 36,250	0.905
	Aluminum	≤ 23,200	1

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

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

STORAGE

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



TECHNICAL FEATURES

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



The tool is supplied as:

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



CUTTING CAPACITY - a few examples

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

B-TC320NDA



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

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

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

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

Fitted with a maximum hydraulic pressure valve.

Weight and balance have been re-configured to yield improvements in handling and convenience.

The more rigid structure of the bi-component plastic body provides greater mechanical protection while its rubber inserts boost operator safety and comfort. Quieter operation, illumination of the working area via LED lights and a minimum of vibration enhance the tool's practicality.

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

Operating temperature: +5 to +122°F

B-TC250YA

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

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



Ideal for
EHS guy wire



TECHNICAL FEATURES

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

STORAGE

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

The tool is supplied as:

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



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

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

CUTTING CAPACITY

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

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

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

TECHNICAL FEATURES

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

Ideal for
EHS guy wire

STORAGE

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

CUTTING CAPACITY

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



The tool is supplied as:

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

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

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

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

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

Fitted with a maximum hydraulic pressure valve.

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

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

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

Operating temperature: +5 to +122°F.

B-TC500YA

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

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



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

TECHNICAL FEATURES

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

STORAGE

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



The tool is supplied as:

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

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

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

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

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

Fitted with a maximum hydraulic pressure valve.

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

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

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

Operating temperature: +5 to +122°F

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

B-TC550A

overhead line application

MAIN APPLICATIONS

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

TECHNICAL FEATURES

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



STORAGE

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

CUTTING CAPACITY

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



Ideal for 795 MCM ACSR Drake and EHS guy wire

The tool is supplied as:

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



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

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

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

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

Fitted with a maximum hydraulic pressure valve.

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

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

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

Operating temperature: +5 to +122°F



B-TC320NDFA

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

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



TECHNICAL FEATURES

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

STORAGE

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



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

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

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

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

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

Fitted with a maximum hydraulic pressure valve.

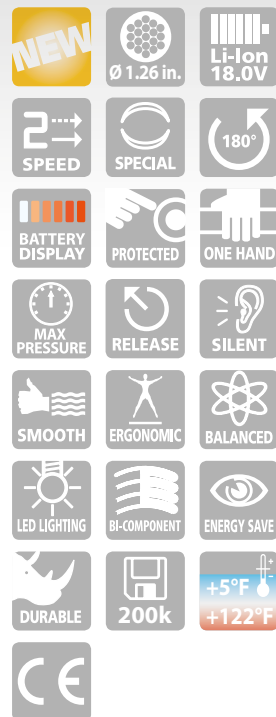
Weight and balance have been re-configured to yield improvements in handling and convenience.

The more rigid structure of the bi-component plastic body provides greater mechanical protection while its rubber inserts boost operator safety and comfort. Quieter operation, illumination of the working area via LED lights and a minimum of vibration enhance the tool's practicality.

Two batteries and charger included.

Same charger of all our tools.

Operating temperature: +5 to +122°F



18.0 V CORDLESS HYDRAULIC CUTTING TOOL

B-TC500ND-SCA

industrial application

MAIN APPLICATIONS

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

TECHNICAL FEATURES

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

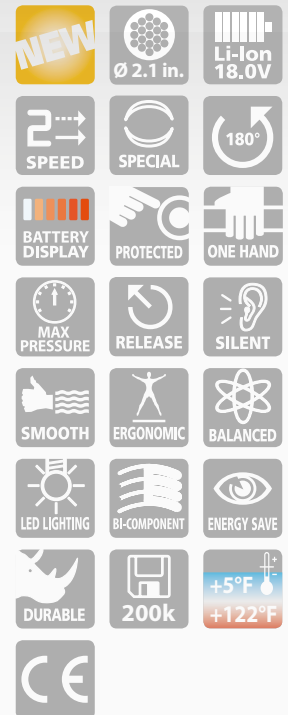
STORAGE

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



The tool is supplied as:

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



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

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

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

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

The head can rotate through 180 de-

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

Fitted with a maximum hydraulic pressure valve.

Weight and balance have been re-configured to yield improvements in handling and convenience.

The more rigid structure of the bi-component plastic body provides greater mechanical protection while its rubber inserts boost operator safety and comfort.

Quieter operation, illumination of

the working area via LED lights and a minimum of vibration enhance the tool's practicality.

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

Operating temperature: +5 to +122°F

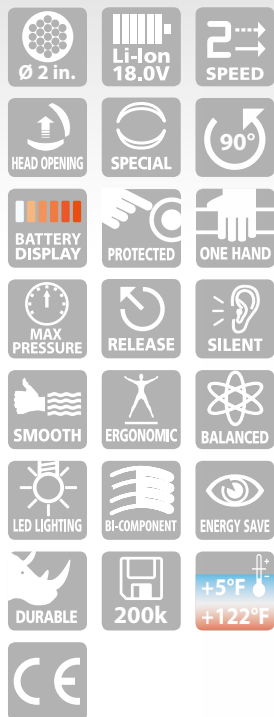
B-TC500A

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

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



Not suitable for cutting steel reinforced conductors

TECHNICAL FEATURES

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

STORAGE

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



Next generation of 18.0 V cordless hydraulic cutting tool specifically designed to cut copper, aluminum and telecommunication cables having a max overall diameter of 2".

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

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

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

Fitted with a maximum hydraulic pressure valve.

Designed with improved balance, B-TC500A is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

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

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

Operating temperature: +5 to +122°F

The tool is supplied as:

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

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

B-TC650A

industrial application

MAIN APPLICATIONS

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

TECHNICAL FEATURES

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



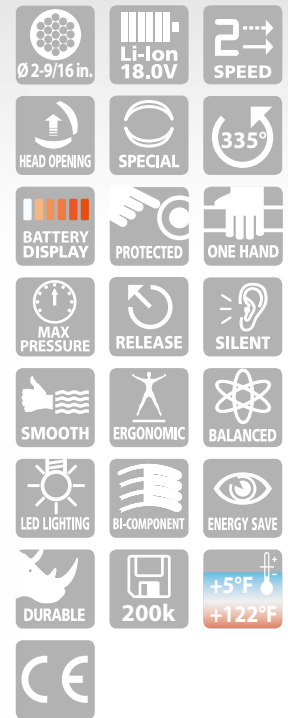
STORAGE

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



The tool is supplied as:

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



Not suitable for cutting steel reinforced conductors

Next generation of 18.0 V cordless hydraulic cutting tool. Specifically designed to cut copper, aluminum and telecommunication cables having a max overall diameter of 2-9/16".

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

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

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

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

Fitted with a maximum hydraulic pressure valve.

Designed with improved balance, B-TC650A is easily manageable during the cutting process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage. Rubber grip inserts, low noise and minimal vibration aid operator comfort while additional convenience and safety are provided by LED lighting of the working area.

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

Operating temperature: +5 to +122°F

B-TC650-SCA

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

industrial application

MAIN APPLICATIONS

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

Ø 2-9/16 in.

Li-Ion 18.0V

2 SPEED

SPECIAL

180°

BATTERY DISPLAY

PROTECTED

ONE HAND

MAX PRESSURE

RELEASE

SILENT

SMOOTH

ERGONOMIC

BALANCED

LED LIGHTING

BI-COMPONENT

ENERGY SAVE

DURABLE

200k

+5°F
+122°F



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

Not suitable for cutting steel reinforced conductors

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

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

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

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



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

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

B-TC950A

industrial application

MAIN APPLICATIONS

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

TECHNICAL FEATURES

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

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

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

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

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

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

Fitted with a maximum hydraulic pressure valve.

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

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

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

Operating temperature: +5 to +122°F



Not suitable for cutting steel reinforced conductors

STORAGE

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



The tool is supplied as:

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

B-TC4500A

18.0 V CORDLESS HYDRAULIC CUTTING TOOL

overhead line application

MAIN APPLICATIONS

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

TECHNICAL FEATURES

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

STORAGE

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



The tool is supplied as:

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



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

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

CUTTING CAPACITY

	MATERIAL	TENSILE STRENGTH (lbs./sq.in.)	MAX CUTTING DIAMETER (in.)
			B-TC4500A
ROPE & CONDUCTORS	Copper	≤ 59,450	1-3/4"
	Aluminum	≤ 29,000	1-3/4"
	Almelec	≤ 49,300	1-3/4"
	Steel	≤ 261,000	INDICATIVE EXAMPLES: 7 x 0.118 = Ø out. 0.354 19 x 0.083 = Ø out. 0.413 19 x 0.091 = Ø out. 0.453
	MULTI STRANDS Steel (STRANDS Qty ≥ 200)	≤ 261,000	0.709
	ACSR	≤ 261,000	1-3/4" INDICATIVE EXAMPLES: 26 x 0.098 + 7 x 0.077 : Ø out. = 0.624 26 x 0.120 + 7 x 0.094 : Ø out. = 0.763 26 x 0.142 + 7 x 0.110 : Ø out. = 0.897 54 x 0.138 + 19 x 0.082 : Ø out. = 1.240 54 x 0.172 + 19 x 0.103 : Ø out. = 1.543
RODS	Steel	≤ 87,000	0.709
		≤ 60,900	0.787
	Copper	≤ 43,000	1.181
		≤ 36,250	1.260
	Aluminum	≤ 23,200	1-3/4"

18.0 V Cordless hydraulic Frame-Type hole punching tool

B-FC470A

general features

MAIN APPLICATIONS

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

TECHNICAL FEATURES

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

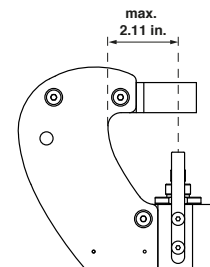
STORAGE

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



The tool is supplied as:

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



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

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

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

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

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

Fitted with a maximum hydraulic pressure valve.

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

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

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

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

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

Hole Dimensions					Maximum thickness of mild Steel (in.)	Type
Nominal	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"	RD27.5SS
	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

general features

MAIN APPLICATIONS

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



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

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



The battery is equipped with LED indicators that indicate the remaining battery life at any time by pressing the adjacent button. The balanced punching head pivots 180deg through a full 360deg rotation for ease of use in confined spaces. Fitted with a maximum hydraulic pressure valve. Designed with improved balance, B-FL750NDA is easily manageable during the punching process and, by the use of bi-component plastics, has a shell with high resistance to wear and damage.

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

STORAGE

Type	VAL-PS7
Dimensions in. L x W x H	24.4 x 14.2 x 5.4
Weight lbs.	5.3
Supplied with the tool	✓
Purchase separately	-

TECHNICAL FEATURES

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

The tool is supplied as:

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



B-FL750NDA and B-FL750A Punching accessories

Round punch

Hole diameter				Material max thickness (in.)		Pilot hole Ø (in.)	Type	
Nominal Ø (mm)	Ø (inch)	Pg	ISO	Stainless Steel	Mild Steel		KIT (Punch + Die)	Puller
15.5	.610	Pg9	-	-	-	0.45	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	-	-	-	0.79	RD28.5SS	TD-19
30.5	1.201	-	-	G7/8"	-		RD30.5SS	
28.5	1.122	Pg 21	-	-	-		RD28.5SS-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	-	-	-	-	0.12	RD41.3SS	TD-19
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"	-		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	-	-	-	-		RD90SS	

Round punch

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

* Puller included in the kit

Square punch

Hole diameter		Material max thickness (in.)		Pilot hole Ø (in.)	Type
Nominal (mm)	(inch)	Stainless Steel	Mild Steel		
21.0 x 21.0	.827 x .827	0.10	0.14	0.47	RD21X21
46.0 x 46.0	1.811 x 1.811			1.04	RD46X46
68.0 x 68.0	2.677 x 2.677	0.06	0.08		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				RD138X138
220.0 x 220.0	8.661 x 8.661	0.04	0.06		RD220X220
224.0 x 224.0	8.818 x 8.818				RD224X224

Rectangular punch

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

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

18.0 V Cordless hydraulic Puller-Type hole punching tool

B-FL750A

general features

MAIN APPLICATIONS

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

TECHNICAL FEATURES

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

STORAGE

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

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

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

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

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



The tool is supplied as:

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



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

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



B-FL750NDA and B-FL750A Punching accessories

"D" punch

Hole diameter	Material max thickness (in.)	Pilot hole Ø	Type
Nominal	Stainless Steel	Mild Steel	KIT (Punch+die + Puller)
(mm)			
(a)38.3 x (b)36.6	(a)1.507 x (b)1.442		
(a)43.1 x (b)41.5	(a)1.696 x (b)1.632	0.10 0.14 0.73	
			RD18D RD24D

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

Use of non-Cembre punching accessories

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

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



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

MPC1

PRESSURE TEST DEVICE

for hydraulic pumps and tools



MPC1 device

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

MPC2



MPC2 device

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

MPC4



MPC4 device

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

MPC7



MPC7 device

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