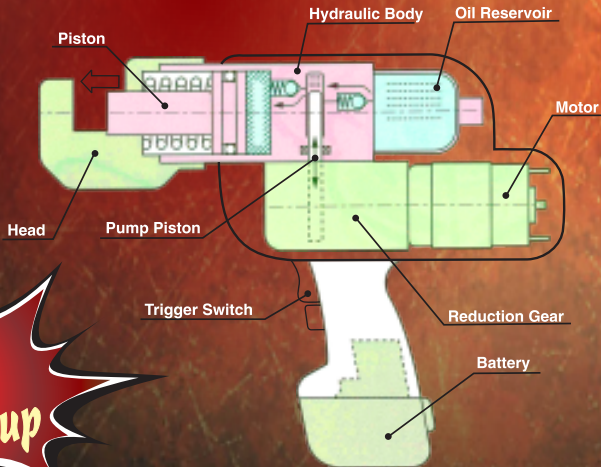


# Crimping Tools

India's **1<sup>st</sup>** **CALTER**<sup>®</sup>  
TOOLS

## Genuine Service Centre

- Repairs
- Service Contracts
- Replacement Tools



**Free  
Tool Checkup**

**All makes / All types**

**Mechanical Multi Crimping Tool  
CMMT 007**

**Features**

Ratchet mechanism  
Release after perfect crimp  
Quick interchangeable dies  
Storage systems in handle

**Specifications**

**Range**

0,5 to 6 sq mm for insulated cable lugs  
0,5 to 10 sq mm for non-insulated cable lugs  
0,5 to 10 sq mm for end sleeves  
Lenth: 220 mm  
Weight: 600 g  
Crimping Profile: Indent/Oval/Trapezold crimp



**NEW  
3X1**



**Mechanical Hand Crimping Tool  
CMNI 105006**

**Features**

Ratchet mechanism  
Compact, pocket-size design  
Ergonomic handles for low effort indent crimping  
Ratchet action to ensure full crimp cycle  
Connector & non-insulated terminal

**Specifications**

Range: 1,5 to 6 sq mm for non-insulated terminals  
Lenth: 198 mm  
Weight: 350 g  
Crimping Profile: Indent crimp



**Mechanical Hand Crimping Tool  
CMNI 005016**

**Features**

Ratchet mechanism  
Professional crimping tool for reliable performance  
Ergonomic handles for low effort indent crimping  
Ratchet action ensures full crimp cycle with safety release  
Minimum set of 80,000 cycles

**Specifications**

Range: 0,5 to 16 sq mm for non- insulated terminals  
Length: 225 mm  
Weight: 540 g  
Crimping profile: Indent crimp



**Mechanical Hand Crimping Tool  
CMI 152546**

**Features**

Ratchet Mechanism  
The dies are color marked for inspection and correct use of the tool.  
Ergonomic handles allow two-hand operation for perfect crimp.  
Low effort oval crimping.  
Ratchet action ensures full crimp cycles.

**Specifications**

Range: 1,5, 2,5, 4-6 sq mm for insulated terminals  
Length: 225 mm.  
Weight: 540 g  
Crimping profile: Oval crimp



**Mechanical Hand Crimping Tool  
CMOB 154863****Features**

Compact, pocket-size design  
Ergonomic handles for low effort roll crimping  
Ratchet action ensures full crimp cycles with safety release.  
Minimum 80,000 cycles  
Factory set with a precise eccentric cam adjustment function

**Specifications**

Range: 1,5,4,8,6,3 sq mm for open barrel tab terminals  
Length: 210 mm  
Weight: 600 g  
Crimping profile: Roll crimp

**Mechanical Hand Crimping Tool  
CMES 050006****Features**

Compact, pocket-size design  
Ergonomic handles for low effort trapezoid crimping  
Ratchet action ensures full crimp cycles with safety release.  
Minimum 80000 cycles  
Factory set with a precise eccentric cam adjustment function

**Specifications**

Range: 0,5- 6 sq mm for end sleeves  
Length: 215 mm  
Weight: 470 g  
Crimping profile: Trapezoid crimp



**Mechanical Hand Crimping Tool  
CM 4 ES - 050006**

**Features**

Self adjusting tool with single die to crimp all terminals within its range  
 Side entry for easy access within confined spaces  
 Compact, pocket-size design  
 Ratchet action ensures full crimp cycle with safety release  
 Factory set with a precise eccentric cam adjustment function.



**Specifications**

Range: 0.5 - 6.0 mm for end sleeves  
 Length: 180 mm  
 Weight: 360 g  
 Crimping profile: Square crimp



**Mechanical Hand Crimping Tool  
CM 6 ES - 050006**

**Features**

Self adjusting tool with single die to crimp all terminals within its range  
 Side entry for easy access within confined spaces  
 Compact, pocket-size design  
 Ratchet action ensures full crimp cycle with safety release  
 Factory set with a precise eccentric cam adjustment function



**Specifications**

Range: 0.5 - 6.0 mm for end sleeves  
 Length: 180 mm  
 Weight: 360 g  
 Crimping profile: Hex crimp



**Mechanical Crimping Tool  
(CBRD-010095)**

**Features**

Changeable dies  
Precision crimps  
For insulated / non insulated cable terminals

**Specifications**

Dies: 10 mm<sup>2</sup> to 95 mm<sup>2</sup> (7 Sets)  
Weight: 5,5 kg  
Packing: Paper Box  
Crimping Profile: Hexagonal



**Mechanical Crimping Tool  
(CBRD-010185)**

**Features**

Changeable dies  
Precision crimps  
For insulated / non insulated cable terminals  
With extra handles for higher leverage

**Specifications**

Dies: 10 mm<sup>2</sup> to 185 mm<sup>2</sup> (10 Sets)  
Weight: 7,5 kg  
Packing: Paper Box  
Crimping Profile: Hexagonal



**Mechanical Crimping Tool  
(CBRD-010240) - Dieless**

**Features**

Adjustable dies / Precision crimps  
For non insulated cable terminals  
With extendable handles

**Specifications**

Adjustable screw to suit terminal size  
Weight: 3.5 kg  
Packing: Paper box  
Crimping profile: Indent crimp



**Mechanical Crimping Tool  
(CMLT-010185)**

**Features**

Changeable dies / Precision crimps  
For insulated / non insulated cable terminals

**Specifications**

Dies: 10 mm<sup>2</sup> to 185 mm<sup>2</sup> (10 Sets)  
Weight: 4.8 kg  
Packing: Paper box  
Crimping profile: Hexagonal





**Mechanical Crimping Tool  
(CMLT-025400)**

**Features**

Changeable dies / Precision crimps  
For insulated / Non insulated cable terminals  
Extra handles for higher leverage

**Specifications**

Dies: 10 mm<sup>2</sup> to 185 mm<sup>2</sup> (10 Sets)  
Weight: 4.8 kg  
Packing: Steel case  
Crimping Profile: Hexagonal



**Mechanical Crimping Tool  
(CMGP-016240)**

**Features**

Gear powered mechanism  
Changeable dies / Precision crimps  
For insulated / Non insulated cable terminals

**Specifications**

Dies: 16 mm<sup>2</sup> to 240 mm<sup>2</sup> (10 Sets)  
Weight: 4.8 kg  
Packing: Steel case  
Crimping Profile: Hexagonal



## Mechanical Crimping Tool (CMGP-025400)

### Features

Gear powered mechanism  
Changeable dies / Precision crimps  
For insulated / Non insulated cable terminals

### Specifications

Dies 25 mm<sup>2</sup> to 400 mm<sup>2</sup> (11Sets)  
Weight: 5.2 kg  
Packing: Steel case  
Crimping profile: Hexagonal



## Mechanical Armoured Cable Cutter (CARC-075630)

### Features

Heavy-duty ratchet movement.  
Telescopic handles for higher leverage.  
Suitable for LT/HT armored cable.  
Specially designed forged blade.

### Specifications

Range: Armored cable up to 75mm diameter.  
Length: approx-450-600mm.  
Weight: approx-6.500 Kg  
Don't cut mild steel or steel rod



**Mechanical Hand Crimping Tool  
CMRD 006050**

**Features**

Powerful Mechanical Crimping  
Rotatable dies for selection of proper size  
Eliminates loss of dies

**Specifications**

Range: 6 to 50 sq mm for Cu/Al terminals  
Length: 400 mm  
Weight: 1.4 Kg  
Crimping profile: Hexagonal



**Mechanical Hand Crimping Tool  
CMRD 010120**

**Features**

Powerful Mechanical Crimping  
Rotatable dies for selection of proper size  
Eliminates loss of dies

**Specifications**

Range: 10 to 120 sq mm for Cu/Al terminals  
Length: 650 mm  
Weight: 3.8 Kg  
Crimping profile: Hexagonal



**Mechanical Hand Crimping Tool  
CMLH 010150**

**Features**

Flip top crimp head  
Powerful mechanical crimping  
350 degree rotatable head  
Suitable for LT/HT joints  
Telescopic handles for higher leverage

**Specifications**

Range: 10-150 mm<sup>2</sup> Cu/Al terminals/connectors  
Length: 600 mm  
Weight: 2.8 Kg  
Crimping profile: Hexagonal



**Mechanical Hand Crimping Tool  
CMLH 025300**

**Features**

Flip top crimp head  
Powerful mechanical crimping  
350 degree rotatable head  
Suitable for LT/HT joints  
Telescopic handles for higher leverage

**Specifications**

Range: 25 to 300 mm<sup>2</sup> for Cu/Al terminals/connectors  
Length: 700 mm  
Weight: 6 Kg  
Crimping profile: Hexagonal



**Mechanical Hand Cutters  
CCR 032240  
Ratchet Cable Cutter**

**Features**

Heavy-duty ratchet movement  
Simple, one hand operation  
Compact, light weight  
Specially designed blade for smooth cutting

**Specifications**

Range: Up to 240 sq mm (32 mm dia) for Cu/Al terminals  
Length: 260 mm  
Weight: 560 g

**Not for cutting steel or steel wire armoured cables.**



**Mechanical Hand Cutters  
CCR 052400  
Ratchet Cable Cutter**

**Features**

Heavy-duty ratchet movement  
Simple, one hand operation  
Compact, light weight  
Specially designed blade for smooth cutting

**Specifications**

Range: Up to 400 sq mm (52 mm dia) for Cu/Al terminals  
Length: 290 mm  
Weight: 750 g

**Not for cutting steel or steel wire armoured cables.**



**Mechanical Hand Cutters**  
CCLH 025120, CCLH 032300, CCLH 055500

**Features**

Compact and light weight  
Long handles higher leverage  
For cutting Cu/Al unarmoured cables

**Specifications**

| Model       | Range           | Length | Weight |
|-------------|-----------------|--------|--------|
| CCLH 025120 | up to 125 sq mm | 300 mm | 700 g  |
| CCLH 032300 | up to 250 sq mm | 530 mm | 1.2 Kg |
| CCLH 055500 | up to 500 sq mm | 770 mm | 3 Kg   |



**Not for cutting steel or steel wire armoured cables.**

**Mechanical Hand Cutters**  
CCLH 032240 - ST

**Features**

Heavy-duty, easy movement  
Compact and light weight  
Telescopic handles for higher leverage

**Specifications**

Range: Up to 240 sq mm (32 mm dia) for Cu/Al cables  
Length: up to 530 mm  
Weight: 2,3 Kg

**Not for cutting steel or steel wire armoured cables.**



**Cable Knife  
CKN-050180**

**Features**

High quality carbon steel for long life  
Straight shape with firm grip handle  
Transparent protective shell  
Suitable for removing insulation of sector and round cable cores

**Specifications**

Blade length: 50 mm  
Total length: 180 mm  
Weight: 75 g



**Heavy Duty Cable stripper  
CSC - 006025**

**Features**

Suitable for stripping insulation  
Stripping thickness can be adjusted

**Specifications**

Suitable for cable dia 6mm-25mm  
Strippable thickness: Up to 5mm  
Size: 140x42x38 mm  
Weight: 0.1 kg



**Cable Stripper for RG Cable  
CSRG 585962**

**Features**

Compact light weight  
Packet size design  
Specially for RG cables

**Specifications**

Range: RG 58, 59, 62 - 3 & 4 core  
Length: 100 mm  
Weight: 40 g



**Cable Stripper & Cutter  
for Special Cables  
CSC-050008**

**Features**

Compact light weight  
Packet size design  
Specially for optic fiber cables

**Specifications**

Range: 0.2 to 8 mm, UTP & 8TP  
Length: 200 mm  
Weight: 0.30kg





**Cable Cutter & Stripper  
CSC 008006**

**Features**

Duck-mouth style automatic cutter and stripper  
For stripping PVC insulation of wires  
0,08 - 6 mm dia  
Plastic jaws and adjustable length  
Shock-resistant fiber glass plastic body

**Specifications**

Stripping range: 0,8-6 mm diameter  
Length: 170 mm  
Weight: 20 g



**Ratchet Wheel Type Stripper  
CPG 025100**

**Features**

For stripping of cables over 25 mm dia  
Various insulation layers can be stripped  
Suitable for vertical and round cutting  
Cutting depth adjustable

**Specifications**

Length: 170 mm  
Weight: 15 g



**Cable Preparation Tool  
CPT 015040****Features**

For stripping XLPE insulation/semi conductive screen of HV cable cores - 15 to 40 mm dia  
Specially designed adjustable blade for different stripping thickness  
Conductor untouched by blade while stripping  
Sharpening and replacement of blade possible

**Specifications**

Length: 245 mm      Weight: 630 g

**Cable Preparation Tool  
CPT 030065****Features**

For stripping XLPE insulation/semi conductive screen of HV cable cores - 30 to 65 mm dia  
Specially designed adjustable blade for different stripping thickness  
Conductor untouched by blade while stripping  
Sharpening and replacement of blade possible

**Specifications**

Length: 290 mm      Weight: 830 g

**Cable Preparation Tool  
CPT 040090****Features**

For stripping XLPE insulation/semi conductive screen of HV cable cores - 40 to 90 mm dia  
Specially designed adjustable blade for different stripping thickness  
Conductor untouched by blade while stripping  
Sharpening and replacement of blade possible

**Specifications**

Length: 510 mm      Weight: 2.5 kg



**Cable Polishing Machine  
CCPM - 113366****Features**

For polishing HT cable core insulation  
Polishing belt fits circular cables arc closely  
Eliminates laborious manual polishing  
Specification

**Specifications**

Size of polishing belt - 30mm x 535mm.  
Motor: 220V AC  
Total weight: 2.1 Kg  
Supplied with belt: 1pc each of 40,60,80,100 & 120 grade

**Armored Cable Cutter  
CARC-120220****Features**

Suitable for cutting steel wire armored cable up to 120 mm diameter.  
Dual bearing support for increased durability of blade.  
Powerful motor designed for on-site job application.  
Control knob for regulating speed of blade for various applications.

**Specifications**

Cutting speed 30-75 mtr / min  
Tool length 550 mm,  
Tool Weight 6.350 Kg  
Packing Carrying case



**Electric Harnessing Machine  
CEHM 005016****Features**

An ideal electrical crimping machine  
For insulated, non-insulated terminals and end sleeves  
High speed operation with precision crimps  
Table mounted; supplied with foot switch  
Supplied with 7sets of interchangeable crimping dies  
Very useful for large quantity terminal crimping

**Specifications**

Range 0.5 to 16 sq mm  
Cable Cutting: Up to 7 mm dia  
Output: 1.7 KN (170 kg)  
Crimping Cycle: 1.5 to 2 secs  
Power Supply: AC 240 V  
Power Consumption: 90 W  
Dimensions: 325 x 265 x 150 mm  
Weight: 12 kg



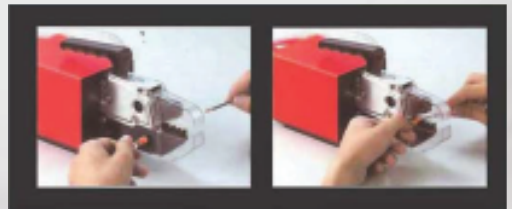
**Pneumatic Harnessing Machine  
CNHM 005010**

**Features**

An ideal Pneumatic crimping machine  
For insulated, non-insulated terminals and  
end sleeves  
High speed and quality in crimping  
Table mounted; supplied with foot  
switch  
Supplied with 4 sets of interchangeable  
crimping dies  
Very useful for large quantity terminal  
crimping

**Specifications**

Range: 0.5 to 10sq mm  
Output force - 14kn  
Operating air pressure: 0.4 -  
1MPa (4 kg/cm<sup>2</sup>-10 kg/cm<sup>2</sup>)  
Crimping cycle: 1.5 to 2 secs  
Dimensions: 260 x 120 x 140mm  
Weight: 4 kg



**Battery Powered  
Crimping Tool (Mini)  
CBM-016240****Features**

Light weight & slim design.  
Flip-on type crimp-head  
180 degree rotation.  
Built-in safety valve for high pressure.  
Auto-Retract

**Specifications**

Crimping force 50KN, (5ton)  
Crimps per charge -170 no. @Cu-150mm<sup>2</sup>  
Crimping cycle 3s-6s depend on size of terminal.  
Battery: 3.0Ah 18v Li-ion  
Charging time of battery 1/2 hours.

**Accessories**

Hexagonal dies: 16 to 240 mm<sup>2</sup>  
Battery: 1pc, charger 1pc  
Packing: steel case

**Hand Hydraulic  
Crimping Tool (Mini)  
CHM 010150****Features**

Light weight and slim design  
Flip-on head provides easy entry and removal of terminal  
Spring-loaded pump handles allow single hand operation  
Special tool for LT joints and panel boards  
Accepts BEKU type dies (square type)

**Specifications**

Range: 10-150 mm<sup>2</sup>  
Crimp force: 5 ton  
Length: 375mm  
Weight: 2.2 kg  
Packing: Plastic case  
Crimping profile: Hexagonal



**Multi Functional Battery Tool  
CBUN 016300 (6 Ton)**

**Features**

For crimping, cutting & hole punching  
Flip-top style head, 360 degree rotation  
2-stage hydraulic system  
Auto-Retract

**Specifications**

Range: Up to 300 sq mm for Cu/Al  
Crimping force: 60 KN (6ton)  
Cable Cutting: Up to 40 mm dia  
Hole Punching: 22,5 - 61,5 mm dia  
Crimp Profile: Hexagonal  
Battery: 18V, 3,0 Ah Li-ion  
Charge Time: 2-2,5 hrs  
Weight: 4,5 kg  
Packing: Metal case

**Supplied with**

Battery: 1 pc

Charger: 1pc

**Adapter for Crimping**

Crimping Dies: 16-300 sq mm

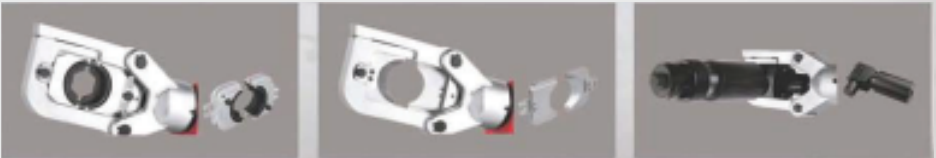
**Cable Cutting Blade:** 1 pair

**Adapter for Punching**

Round Punches: 22,5,28,3,34,6,43,2,49,6,61,5 mm

Mild Steel: thickness upto 3 mm

Stainless Steel: thickness upto 2 mm



**Multi Functional Hand  
Hydraulic Tool  
CHUN 016300 (6 Ton)****Features**

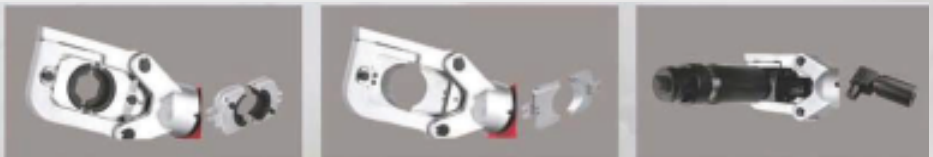
For crimping, cutting & hole punching  
Flip-top style head, 360 degree rotation  
2-stage hydraulic system  
Manual retraction possible

**Specifications**

Range: Up to 300 sq mm for Cu/Al  
Crimping force: 60 kN (6ton)  
Cable Cutting: Up to 40 mm dia  
Hole Punching: 22.5 - 61.5 mm dia  
Crimp Profile: Hexagonal  
Weight: 5 kg  
Packing: Metal case

**Supplied with**

Crimping adapter: 1 pc  
Crimping Dies: 16-300 sq mm  
Cable Cutting Blade: 1 set  
Punching adapter: 1 pc  
Round Punches: 22.5, 28.3, 34.6,  
43.2, 49.6, 61.5 mm  
Mild Steel: thickness upto 3 mm  
Stainless Steel: thickness upto 2 mm





**Battery Crimping Tools**  
**CBE 016400 (6 Ton)**

**Features**

Flip-top style head, 340 degree rotation  
2-stage hydraulic system  
Auto-Retract

**Specifications**

Crimping Force: 60 KN (6 ton)  
Crimping Cycle: 3 to 6 secs  
Battery: 18V, 3.0Ah Li-ion  
Battery Capacity: 200 crimps @150 mm<sup>2</sup> Cu  
Charge Time: 1/2 hrs  
Weight: 4.5 kg

**Supplied with**

Battery/Charger  
Crimping Dies: 16-400 mm<sup>2</sup>



**Hand Hydraulic Tools**  
**CHE 016400 (6 Ton)**

**Features**

Flip-top style head, 340degree rotation  
Dual speed action  
Built-in safety valve for high pressure  
Manual retraction knob

**Specifications**

Range: 16 to 400 sq mm for Cu/Al  
Crimping Force: 60 KN (6 ton)  
Stroke: 18 mm  
Crimping Cycle: 3 to 6 secs  
Crimping Profile: Hexagonal  
Weight: 3.5 kg  
Packing: Metal case

**Supplied with**

Crimping Dies: 16-400 mm<sup>2</sup>



**Battery Powered Cable Cutter  
CBC 045400 (6 Ton)**

**Features**

Flip-top style head, 340degree rotation  
2-stage hydraulic system  
Auto-Retract

**Specifications**

Cutting force: 60 KN (6ton)  
Stroke: 50 mm  
Cutting capacity: ACSR, Cu/Al of 45 mm dia  
Cuts / charge: 120 cuts  
Cutting cycle: 8 to 20 secs  
Battery voltage: 18V, 3.0Ah Li-ion  
Charge time: 1/2 hrs  
Weight: 6 kg  
Packing: Metal case

**Supplied with**

Battery: 1 pc  
Charger: 1 pc



**Hydraulic Cable Cutter  
CHC 045400 (6 Ton)**

**Features**

Flip-top style head, 340degree rotation  
2-stage hydraulic system  
Manual retraction possible

**Specifications**

Cutting Force: 60 KN (6ton)  
Stroke: 50 mm  
Cutting capacity: ACSR, Cu/Al of 45 mm dia  
Cutting Cycle: 8 to 20 secs  
Length: 580 mm  
Weight: 3.5 kg  
Packing: Metal case



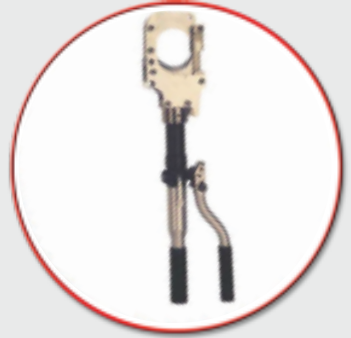
**Hydraulic Cable Cutter  
CHC 085800 (6 Ton)**

**Features**

Flip-top style head, 340 degree rotation  
2-stage hydraulic system  
Manual retraction possible

**Specifications**

Cutting Force: 60 kN (6ton)  
Stroke: 90 mm  
Cutting Capacity: Cu/Al of 85 mm dia  
Cutting Cycle: 8 to 20 secs  
Length: 700 mm  
Weight: 7 kg  
Packing: Metal case



**Not for cutting steel or steel wire armoured cables**

**Remote Cutting Head  
CRCH 045400 (6 Ton)**

**Specifications**

Cutting capacity: ACSR, Cu/Al of 45 mm dia  
Cutting force: 60 kN (6ton)  
Stroke: 52 mm  
Length: 350 mm  
Weight: 4.2 kg



**Not for cutting steel or steel wire armoured cables**

**Scissor Type Cutting Head  
CRCH 050500 (12 ton)**

**Specifications**

Cutting capacity: Cu/Al up to 50 mm dia telephone cable  
Cutting Force: 120 kN (12ton)  
Stroke: 50 mm  
Length: 350 mm  
Weight: 3.5 kg



**Not for cutting steel or steel wire armoured cables**

**Battery Operated Tools  
CBE-050400 (12 Ton)**

**Features**

C-type head, 360 degree rotation  
2-stage hydraulic system  
Auto-Retract

**Specifications**

Crimping range: 50 to 400 sq mm for Al/Cu  
Crimping force: 130 kN (12ton)  
Jaw opening: 42 mm  
Crimping Cycle: 8 to 14 secs  
Crimping Profile: Hexagonal  
Crimps / Charge: 150 crimp @ 150 sq mm  
Battery: 18V, 3,0Ah Li-Ion  
Charge Time: 1/2 hrs  
Weight: 6,8 kg  
Packing: Metal case

**Supplied with**

Battery: 1 pc  
Charger: 1 pc  
Crimping Dies: 50-400 sq mm



**Hand Hydraulic Tools  
CHE-050400 (12 Ton)**

**Features**

C-type head, 340degree rotation  
2-stage hydraulic system  
Manual retraction knob

**Specifications**

Crimping range: 50 to 400 sq mm for Al/Cu  
Crimping force: 130 KN  
Jaw opening: 42 mm  
Crimping cycle: 8 to 14 secs  
Crimping profile: Hexagonal  
Weight: 6,8 kg  
Packing: Metal case

**Supplied with**

Crimping dies: 50-400 sq mm



**Foot pump with Split Unit  
CFYQ-016400  
Trolley Mounted****Features**

Flap type head  
2-stage hydraulic system  
Manual retraction button

**Specifications**

Crimping range: 16 to 400 sq mm for Al/Cu  
Crimping force: 130 kN  
Crimping stroke: 22 mm  
Crimping profile: Hexagonal  
Weight: 15 kg  
Packing: metal case

**Supplied with dies**

16,25,35,50,70,95,120,  
150,185,240,300,400 mm<sup>2</sup>

**Hydraulic foot pump & split unit  
CFYQ-050630****Features**

German type head  
2-stage hydraulic system  
Manual retraction button

**Specifications**

Crimping range: 25 to 630 sq mm for Al/Cu  
Crimping force: 250 kN  
Crimping stroke: 25 mm  
Crimping profile: Hexagonal  
Weight: 17 kg  
Packing: metal case

**Supplied with dies**

300,400,500,630 mm<sup>2</sup>



**Remote Crimping Head  
CRH 035300 (6 Ton)****Features**

File-type open head  
Compact, light weight design  
Suitable for connecting O.H. conductors  
Operated by separate hydraulic pump

**Specifications**

Crimping range: Up to 300 sq mm  
Crimping force: 60 kN (6ton)  
Crimping profile: Hexagonal  
Weight: 3,5 kg  
Packing: Metal case

**Remote Crimping Head  
CRH 050400 (12 Ton)****Features**

C-type open head  
Compact, light weight design  
Suitable for connecting O.H. conductors  
Operated by separate hydraulic pump

**Specifications**

Range: 50 to 400 sq mm  
Crimping force: 130 kN (12ton)  
Crimping profile: Hexagonal  
Weight: 5 kg  
Packing: Metal case



**Hydraulic Hand Pump  
CHP IND 700****Features**

Ideal for remote crimping, cutting and punching  
Compact and lightweight  
Two stage pump for rapid advance of dies  
Strong knob type release valve  
Supplied with 2mtr high pressure hose and coupler plug

**Specifications**

Maximum output pressure: 700 kg/cm<sup>2</sup> (700 bars)  
Oil displacement low pressure: 13 cc  
Oil displacement high pressure: 2.3 cc  
Oil capacity: 1800 cc  
Length: 510 mm  
Weight: 11 kg

**Hydraulic Hand Pump  
CHP IMP 700****Features**

Ideal for remote crimping, cutting and punching  
Compact and lightweight  
Two stage pump for rapid advance of dies  
Knob type release valve  
Supplied with 2mtr high pressure hose and coupler plug

**Specifications**

Maximum output pressure: 700 kg/cm<sup>2</sup> (700 bars)  
Oil displacement low pressure: 15 cc  
Oil displacement high pressure: 2.8 cc  
Oil capacity: 1600 cc  
Length: 495 mm  
Weight: 8.5 kg



**Hydraulic Foot Pump  
CFP IND 700**

**Features**

Foot operated  
Two stage pump for rapid advance of dies  
Strong knob type release valve  
Safety valve to prevent overload  
Supplied with 2 mtr high pressure hose and coupler

**Specifications**

Maximum output pressure: 700 kg (700 bars)  
Oil displacement low pressure: 15 cc  
Oil displacement high pressure: 2.8 cc  
Oil capacity: 1500 cc  
Length: 450 mm  
Weight: 10 kg



**Hydraulic Foot Pump  
CFP - GRM700**

**Features**

Dual speed pressure (high/low)  
External pressure adjustment from 6k - 10k psi  
Foot operated release valve  
Safety valve to prevent overload  
Supplied with 2 m high pressure hose and coupler

**Specifications**

Maximum Output Pressure: 10000 psi (700 bars)  
Oil Displacement Low Pressure: 15 cc  
Oil Displacement High Pressure: 2.8 cc  
Oil Capacity: 1500 cc  
Length: 500 m  
Weight: 11 kg





**Heavy Duty Crimping Head  
CJ 25-R 150630 (25 Ton)**

**Features**

Lightweight design  
Split Hydraulic crimping head  
Side coupler  
Operates with any hydraulic pump  
Suitable for all types of cable joints

**Specifications**

Crimping range: 150 to 630 sq mm for Cu/Al  
Crimping force: 250 KN  
Stroke: 26 mm  
Oil capacity: 85 cc  
Crimping profile: Hex crimp  
Weight: 7 kg  
Packing: Metal case



**Heavy Duty Crimping Head  
CJ 25-G 150630 (25 Ton)**

**Features**

German design Ultra lightweight  
Pin-type head easy to replace disc  
Quick coupler with base style  
Operates with any hydraulic pump  
Suitable for all types of cable joints

**Specifications**

Crimping range: 150 to 630 sq mm for Cu/Al  
Crimping force: 250 KN  
Stroke: 26 mm  
Oil capacity: 80 cc  
Crimping profile: Hexagonal  
Weight: 5,5 kg  
Packing: Metal case / canvas bag



**Heavy Duty Crimping Head  
CJ 45-G 401000 (45 Ton)**

**Features**

German design Ultra lightweight  
Pin-type head easy to replace die  
Quick coupler with side style  
Operates with any hydraulic pump  
Suitable for all types of cable joints

**Specifications**

Crimping range: 400 to 1000 sq mm for Cu/Al  
Crimping force: 450 kN (45ton)  
Stroke: 24 mm  
Oil capacity: 150 cc  
Weight: 10.5 kg  
Packing: Metal case / canvas bag



**Heavy Duty Crimping Head  
CJ 50-F 401000 (45 Ton)**

**Features**

Flip-on type table base, lightweight design  
Split Hydraulic crimping head  
Side coupler  
Operates with any hydraulic pump  
Specially for transformer cable joints

**Specifications**

Range: 400 to 1000 sq mm for Cu/Al  
Crimping Force: 500 KN  
Stroke: 25 mm  
Oil Capacity: 170 cc  
Crimping Profile: Hex crimp  
Weight: 20 kg  
Packing: Metal case



**Electric Pump Mini  
CEPP 220700**

**Features**

Compact, portable design suitable for heavy-duty crimping  
Two stage pumping  
Push button advance and retraction  
Operate with single hose only  
Wired remote control  
Supplied with high pressure hose

**Specifications**

Pressure: 700 kg/cm<sup>2</sup> (700 bars)  
Rated output: 450W  
Motor voltage: 220V/380V  
Weight: 15 kg



**Electric Pump  
CEPP 220700 (25 Ton)**

**Features**

Compact, portable design suitable for heavy-duty crimping  
Two stage pumping  
Push button advance and retraction  
Operate with single hose only  
Visible oil level  
Wired remote control  
Supplied with high pressure hose

**Specifications**

Pressure: 700 kg/cm<sup>2</sup> (700 bars)  
Motor voltage: 220V/380V  
Weight: 30 kg



**Transmission Engine  
Driven Pump CTPP - ENG 700****Features**

Double acting engine driven hydraulic pump  
Auto operation for automatic compression  
Suitable for double acting presses for transmission line use

Builds pressure up to 700 bars  
Push button control of fluid flow  
Smooth compression without pulsation  
Remotr control operation with manual override

**Specifications**

Reservoir Capacity: 10 ltr  
Oil Delivery at 0-22 bars: 7,5 ltr/min  
Oil Delivery at 22-700 bars: 1.2 ltr/min  
Weight: 58 kg

**Note: Hydraulic hose sold separately.**

**High Pressure Crimping Jack  
CTCJ 100 Ton****Features**

Compression head for full tension, transmission and substation connection  
External double acting 700 bar hydraulic pump required  
Dies, exclusive to this model, are sold separately

**Specifications**

Stroke: 23 mm  
Oil volume required: 310 cc  
Capacity: 100 Ton  
Weight: 33 kg

**Note: Dies are sold separately.**



**Bus Bar Cutter  
CBBC 012200****Features**

Compact design for anywhere use  
Ideal for cutting copper and aluminum bus bars  
Operates with hand pump or electric pump  
Precise, scrap-less cutting using low energy

**Specifications**

Max thickness: Up to 12 mm  
Sheet width: Up to 200 mm  
Cutting force: 20ton  
Height: 430 mm  
Weight: 32.5 kg

**Bus Bar Punch  
CBBP 010020****Features**

Compact design for anywhere use  
Ideal for punching copper and aluminum up to 12 mm thickness  
Operates with hand pump or electric pump

**Specifications**

Max thickness: 12 mm  
Punching capacity: Up to 20.5 mm dia holes  
Weight: 30 kg

**Supply with**

Round punches: 3/8 (10.5 dia), (13.8 dia), 5/8 (17 dia), 3/4 (20.5 dia)

**Bus Bar Bender  
CBBB 012200****Features**

Compact design for anywhere use  
Ideal for bending Cu/Al up to 90 degrees  
Indicator for 45 degree/90 degree bend  
Operates with hand pump or electric pump

**Specifications**

Max thickness: Up to 12 mm  
Sheet width: Up to 200 mm  
Bending force: 20 ton  
Height: 370 mm  
Weight: 25 kg



Multi functional bus bar unite  
CEMF 012150

**Features**

Three station operation - compact power pack  
For cutting, punching and bending for Cu/Al bus bar  
Dual speed action - fast/slow

**Specifications**

Cutting width of bus bar: 150 mm max  
Punching thickness of bus bar: 12 mm max  
Bending: Up to 90 degree

**Supplied with**

Cutting tool  
Bending tool  
Punching tool with dies as below  
3/8" (10,5 dia), 1/2" (13,8 dia),  
5/8" (17 dia), 3/4" (20,5 dia)



- CUTTING
- PUNCHING
- BENDING



**Hydraulic Hole Punching Tool**



**Round  
Hole Punching Tool**



**Square  
Hole Punching Tool**



**Hand Hydraulics Tools  
CHCT-010300**

**Features**

- C-type open head
- Compact, light weight design
- Built-in safety valve for high pressure
- Manual retraction knob

**Specifications**

- Range: 10 to 300 sq mm for Cu/Al
- Crimping Force: 100 KN (10 ton)
- Stroke: 22 mm
- Crimping Profile: Hexagonal
- Weight: 3,5 kg
- Packing: Plastic case

**Supplied with**

- Crimping Dies: 10-300 sq mm<sup>2</sup>



**Manual Hole Punching Tool  
CMSB 022060****Features**

Heavy duty punches up to 3 mm thickness  
For mild steel & stainless steel sheets  
High abrasion resistance for perfect alignment

**Specifications**

Round Hole: Up to 61.5 mm dia  
Weight: 5,5 kg  
Packing: Plastic case

**Supplied with**

Round Punch: 22.5, 28.3, 34.6, 43.2, 49.6, 61.5 mm dia  
Draw stud & spacer

**Hydraulic Hole Punching Tool  
CHSB 022060 (15 Ton)****Features**

Heavy duty punches up to 3 mm thickness  
For mild steel & stainless steel sheets  
High abrasion resistance for fiberglass and plastic  
Self centering punch for perfect alignment

**Specifications**

Punching force: 15ton  
Stroke: 25 mm  
Weight: 16,5 kg  
Packing: Metal case

**Supplied with**

Round punch: 22.5, 28.3, 34.6, 43.2, 49.6, 61.5 mm dia  
Square punch: 32x32 mm  
Draw stud & spacer





**Hydraulic hole punching tool (Mini)  
CHSB-225615 – (6 Ton)****Features**

Heavy duty punches up to 3mm thickness.  
Lightweight design for portability & fast operation.  
Simplify access to work in cramped place.  
Self centering punch for perfect alignment.

**Specifications**

Punching force: 6 ton  
Stroke: 22 mm  
Weight: 2.8 Kg  
Packing: Plastic box

**Supplied with**

Round Punches & dies -22.5, 28.3, 34.6,  
43.2, 49.6, 61.5 mm diameter.  
Draw stud: 7/16 x 3/4 inches -- 1 pc  
Draw stud: 3/4 x 3/4 — inches -- 1 pc  
Spacer: 1 pc

**Hydraulic Pipe Bender  
CHPB 010075****Features**

Suitable for water pipes, carbon steel pipes, thick wall conduit pipe  
Up to 90 degree bending

**Specifications**

Output: 18ton  
Diameter of pipe: Up to 75 mm  
Thickness of pipe: Up to 5 mm  
Weight: 125 kg

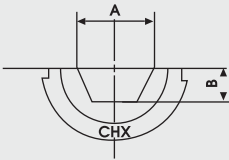
**Supplied with**

Pipe Moulds: 1/2", 3/4", 1", 1 1/4", 1 1/2", 2 1/2", 3"



**Compression Dies**

**Compression Dies U Type (12 Ton)**  
Hexagonal dies for copper/aluminium terminals



| Dia No. | A    | B    | C  |
|---------|------|------|----|
| Cu 10   | 6.2  | 2.2  | 9  |
| Cu16    | 7.1  | 2.6  | 14 |
| Cu 25   | 8.8  | 3.2  | 14 |
| Cu 35   | 10.6 | 3.8  | 14 |
| Cu 50   | 12.4 | 4.7  | 16 |
| Cu 70   | 14.6 | 5.7  | 18 |
| Cu 95   | 17.4 | 6.3  | 16 |
| Cu 120  | 19.4 | 7.1  | 14 |
| Cu 150  | 21.2 | 7.8  | 13 |
| Cu 185  | 24   | 8.6  | 12 |
| Cu 240  | 26.5 | 9.7  | 10 |
| Cu 300  | 30   | 11   | 9  |
| Cu 400  | 34.8 | 12.8 | 9  |

**Compression Dies Alcan Type (100 Ton)**  
Hexagonal dies for aluminium/steel sleeves

| Conductor ACSR |        | Alcan Dia Nos. |        |       |        |
|----------------|--------|----------------|--------|-------|--------|
| Code           | Dia mm | Alum           | A/F mm | Steel | A/F mm |
| WOLF           | 18.13  | A-B            | 28.2   | S-8   | 12.7   |
| HORSE          | 13.95  | A-9            | 23.3   | S-9   | 15.2   |
| PANTHER        | 21.00  | A-9)           | 32.3   | S-9   | 15.2   |
| KEZIAH         | 19.53  | A-9            | 32.3   | S-9   | 15.2   |
| BEAR           | 23.45  | A-9            | 32.3   | S-10  | 16.1   |
| LYNX           | 19.53  | A-9            | 32.3   | S-10  | 16.1   |
| GOAT           | 25.97  | A-10           | 36.2   | S-10  | 16.1   |
| ZEBRA          | 28.62  | A-11           | 40.2   | S-12  | 16.1   |
| DINOSAUR       | 35.56  | A-13           | 49.7   | S-12  | 20.2   |
| CENTIPEDE      | 26.49  | A-10           | 36.2   | NA    | NA     |
| BULL           | 38     | A-13           | 49.7   | NA    | NA     |

**Hydraulic Hand Pump/Jack**  
CSYQ\_400630**Hand Pump**

Ideal for remote crimping, cutting and punching  
Compact and lightweight  
Two stage pump for rapid advance of dies  
Strong knob type release valve  
Supplied with 2mtr high pressure hose and coupler plug

**Specifications**

Maximum output pressure: 700 kg/cm<sup>2</sup> (700 bars)  
Oil displacement low pressure: 13 cc  
Oil displacement high pressure: 2,3 cc  
Oil capacity: 1800 cc  
Length: 510 mm  
Weight: 11 kg

**Crimp-Jack**

German design Ultra lightweight  
U-type head with locking pin Easy to replace dies  
Quick coupler with base style  
Operates with any hydraulic pump  
Suitable for all types of cable joints

**Specifications**

Crimping range: 150 to 630 sq mm for Cu/Al  
Crimping force: 250 KN  
Stroke: 26 mm  
Oil capacity: 80 cc  
Crimping profile: Hexagonal  
Weight: 5.5 kg  
Packing: Metal case / canvas bag



## Hydraulic crimping tools: principle of operation

Principle of operation of hydraulic crimping tools is based on Pascal's Law of Transmissibility of Fluid Pressure which States that "an incremental pressure in a fluid is transmitted throughout volume of the liquid uniformly". A hydraulic Crimping tool in an elementary form is made of a cylinder and piston with a large diameter (D) and a cylinder and piston with a very small diameter (d) Fluid is pumped from the small cylinder drawn from a sump to the large cylinder. When fluid is continuously pumped from the small cylinder to the large cylinder fluid pressure increases steadily and causes the piston in the large cylinder to move forward which, in turn keeps pushing the movable half of the crimping die attached to it. When a force (F) is exerted on the Cu/Al sleeve enclosing the conductor, resistance offered by the sleeve to deformation by compression causes fluid pressure to build up continuously. The pressure developed (p) is  $p = F/A$  where, F=Force exerted by the fluid on the piston of the large cylinder

A=Area of piston of the large cylinder

The force and consequently the hydraulic fluid pressure rise incrementally as the compression operation advances. As the fluid pressure is the same in both cylinders

by " Pascal's Law ", the force (f) exerted by piston of the small cylinder is several times smaller than force (F) developed.

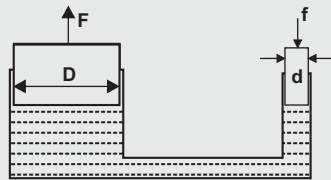
Therefore,  $p = f/a = F/A$

where,

f= force exerted by the fluid on the piston of the small cylinder

a=area of piston of the small cylinder

With a small force developed in the small cylinder, a large force (F) is overcome .The large force is due to resistance Offered by metal (Cu/Al) to deformation by



### 3 STAGES OF COMPRESSION (CRIMPING)

