



 ESTB 1993

 **ZUPPER**<sup>®</sup>  
TO BE YOUR PROUD TOOL

# WE BUILD WITH YOU

What we build can last for years. But what we do can last forever



 **ZUPPER**<sup>®</sup>  
TO BE YOUR PROUD TOOL

**TAIZHOU JULI TOOLS CO.,LTD.**

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Website



Catalogue for  
Electrical tool



 YouTube

2024-2025 | ELECTRICAL TOOL

# HOW IT ALL BEGAN

## START FROM THE YEAR OF 1993

Since the company began from 1993, ZUPPER TOOL has experienced from “made in China” to “Created in China”, We has become the leader of battery hydraulic tools in China more than 30years.

We build the electrical tools and tools for plumbing and heating installation last for years, but what we do can last forever. We manufacture best-in-class products by 300 strong highly trained team and sold over 100 countries.

We work continuously to improve the quality, efficiency and safety of our products to meet global market expectations and requirements. Accordingly many of our products are patented and comply with various international standards. ZUPPER products and you, together, WE BUILD.

ESTB

1993

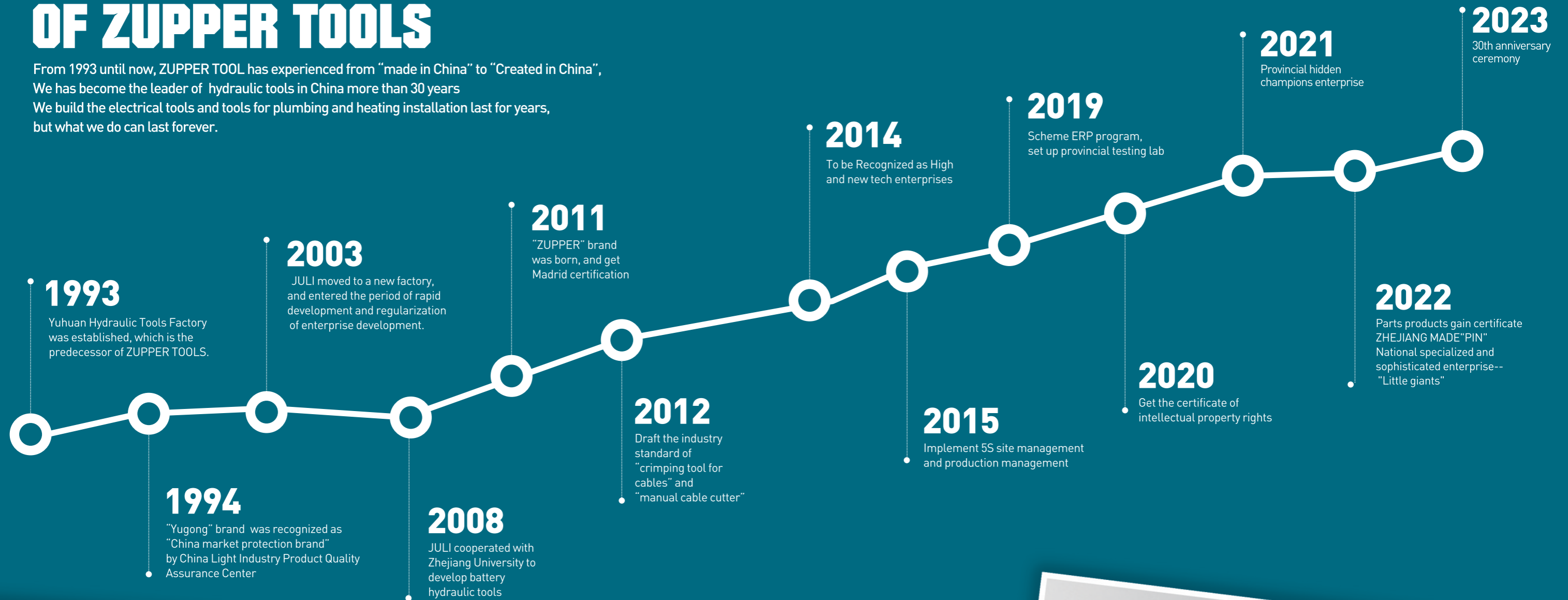


# MORE THAN 30 YEARS OF EXPERIENCE

# IMPORTANT EVENTS

# OF ZUPPER TOOLS

From 1993 until now, ZUPPER TOOL has experienced from "made in China" to "Created in China", We has become the leader of hydraulic tools in China more than 30 years  
We build the electrical tools and tools for plumbing and heating installation last for years, but what we do can last forever.



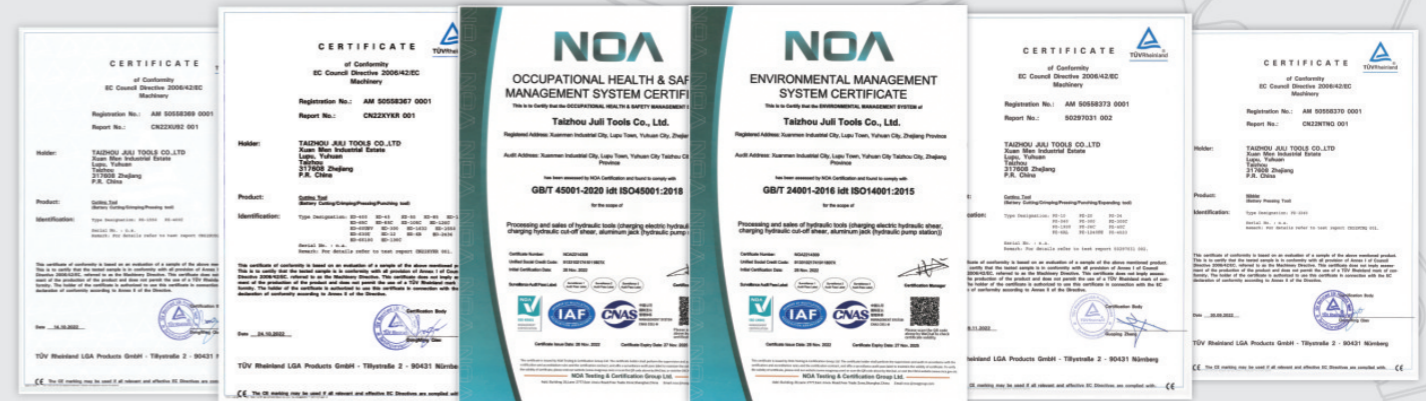
# WORLD LEADING PRODUCT INNOVATION

Continuous improvement and development for our tools is to ensure top quality, low costs and adequate availability. During more than 30 years, we have developed 8 generations of battery powered tools that take our leadership in the market. The durability and stability of the tools exceeds or is equal to some international brands in the market to become a more cost-effective industry choice.



- 2008**: First generation EHT Series
- 2010**: Second generation EZ Series
- 2013**: Third generation BZ Series
- 2016**: Forth generation PZ/CZ press tool
- 2018**: Fifth generation EB/ED Series
- 2019**: Sixth generation PZ mini Series
- 2021**: Seventh generation PZ-3240
- 2022**: Cordless tube expanding tool, Cordless tubing cutter, Battery powered hydraulic pump
- 2023**: Eighth generation SL Series
- 2024**: BLM Series

# CERTIFICATES FOR PRODUCT QUALITY AND MANAGEMENT



## ZUPPER for enhanced safety and optimized standards

For us, just meeting the standard is not enough, in terms of safety, efficiency and reliability. We are approved by ISO9001, ISO14001, ISO45001 certificates, and CE, UKCA, RoHS by TUV.



## More than 100 PATENTS

Including intention patent 22 items, Utility model patent 35 items. Our highly skilled development team works constantly on practical and innovative solutions. We designed and developed with safety, efficiency and durability as our core concepts.

ESTB 1993



## TOP QUALITY FROM PRECISION PRODUCTION

To ensure the stability and high quality of our products, we purchase raw materials and components that guarantee first-class quality. We have more than 300 processing modern equipment; the latest CNC machines guarantee precision manufacturing for all tool components. The most important part is the key parts and processes of the product are completed in the factory to ensure that each product of the world class level.



## TOP QUALITY FROM MULTIPLE DEPTH INSPECTION

We build Precision Hydraulic Tool Research Institute to test raw material and important components, the only one in Zhejiang Province, it includes spectrometer, three coordinate measuring instruments, Keyence 3D scanner, Salt spray tester, profile meter, Image measuring instrument and spring testing and so on.

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## THE EXPERTISER ON ELECTRICAL TOOLS

We know electrical tools are so important to our social quality life and high efficiency production. We continue to develop new products in collaboration with our customers. We are specialized in varieties of crimping tools, cable cutters, punching tools and so on. We are at customers' service. Zupper offers highly-flexible solutions for your specific requirements.





TO BE FAST, TO BE SIMPLE

**5~8s**

Super quick,  
Complete by one trigger

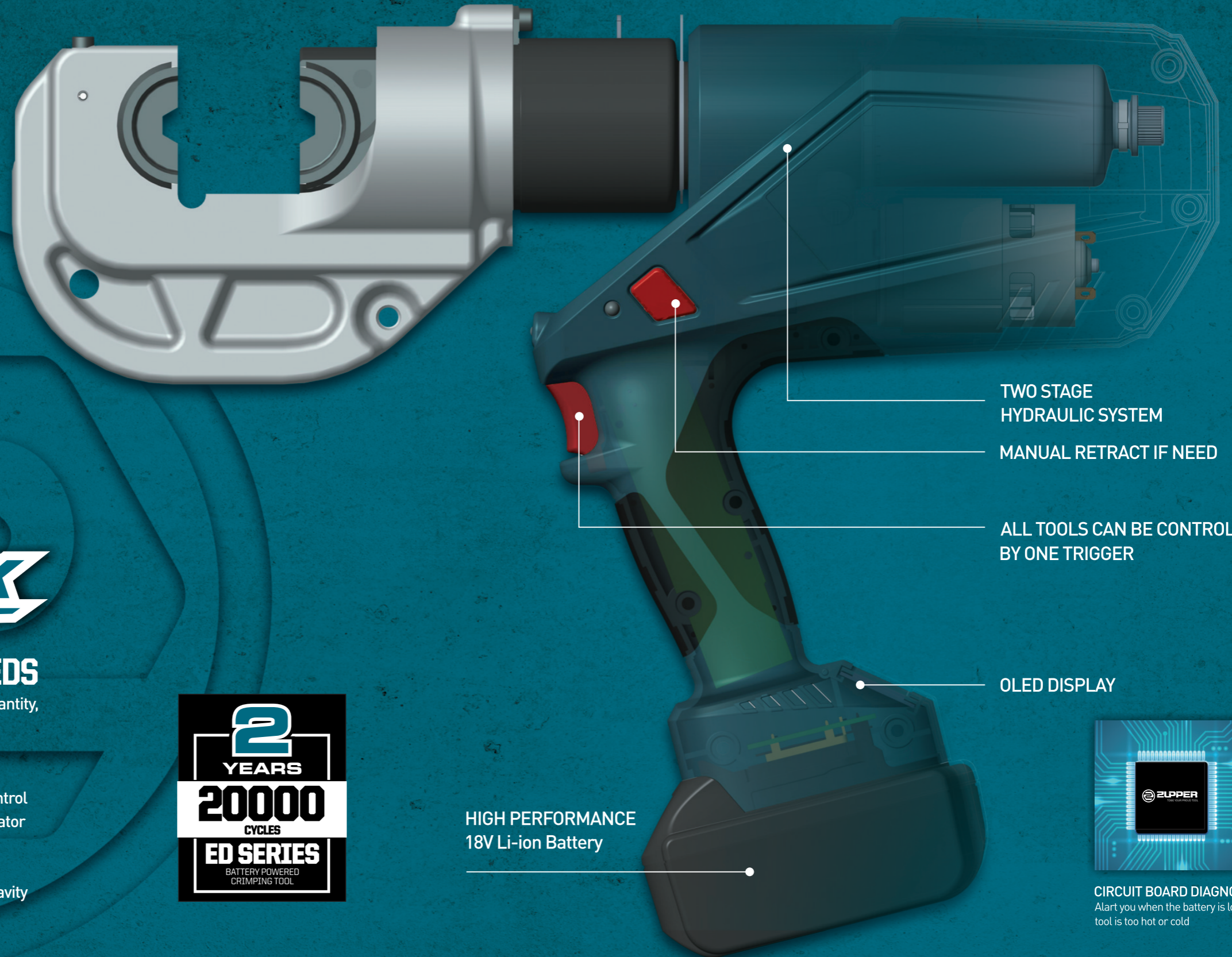
**EFFMax**

**THE RIGHT TOOL FOR YOUR NEEDS**

- OLED Data Display to show crimping time, Electricity Quantity, maintenance reminding and fault code.
- Air Cooling Heat dissipation System to extend using life.
- Press head rotates 350°
- Two stage hydraulic system with fast feed and power control
- Quick motor stop guarantees highest safety for the operator
- Automatic retraction when crimp is completed
- Electronic control and monitor of crimping operation
- Ergonomic design and optimized position of centre of gravity

**2**  
YEARS  
**20000**  
CYCLES  
**ED SERIES**  
BATTERY POWERED  
CRIMPING TOOL

**POWERFUL, RELIABLE AND  
SIMPLY PRACTICAL**



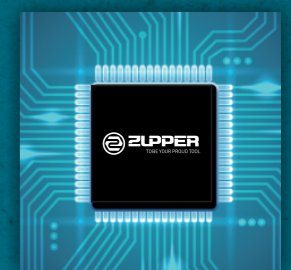
TWO STAGE  
HYDRAULIC SYSTEM

MANUAL RETRACT IF NEED

ALL TOOLS CAN BE CONTROLLED  
BY ONE TRIGGER

OLED DISPLAY

HIGH PERFORMANCE  
18V Li-ion Battery



**CIRCUIT BOARD DIAGNOSTICS**  
Alert you when the battery is low or the  
tool is too hot or cold



**RSW-II**

RETRACT STOP FOR MULTIPLE CRIMPS

**THE FASTEST, MOST RELIABLE**

**10000**

SERVICE INTERVAL

**5~8s**

PER CYCLE TIME

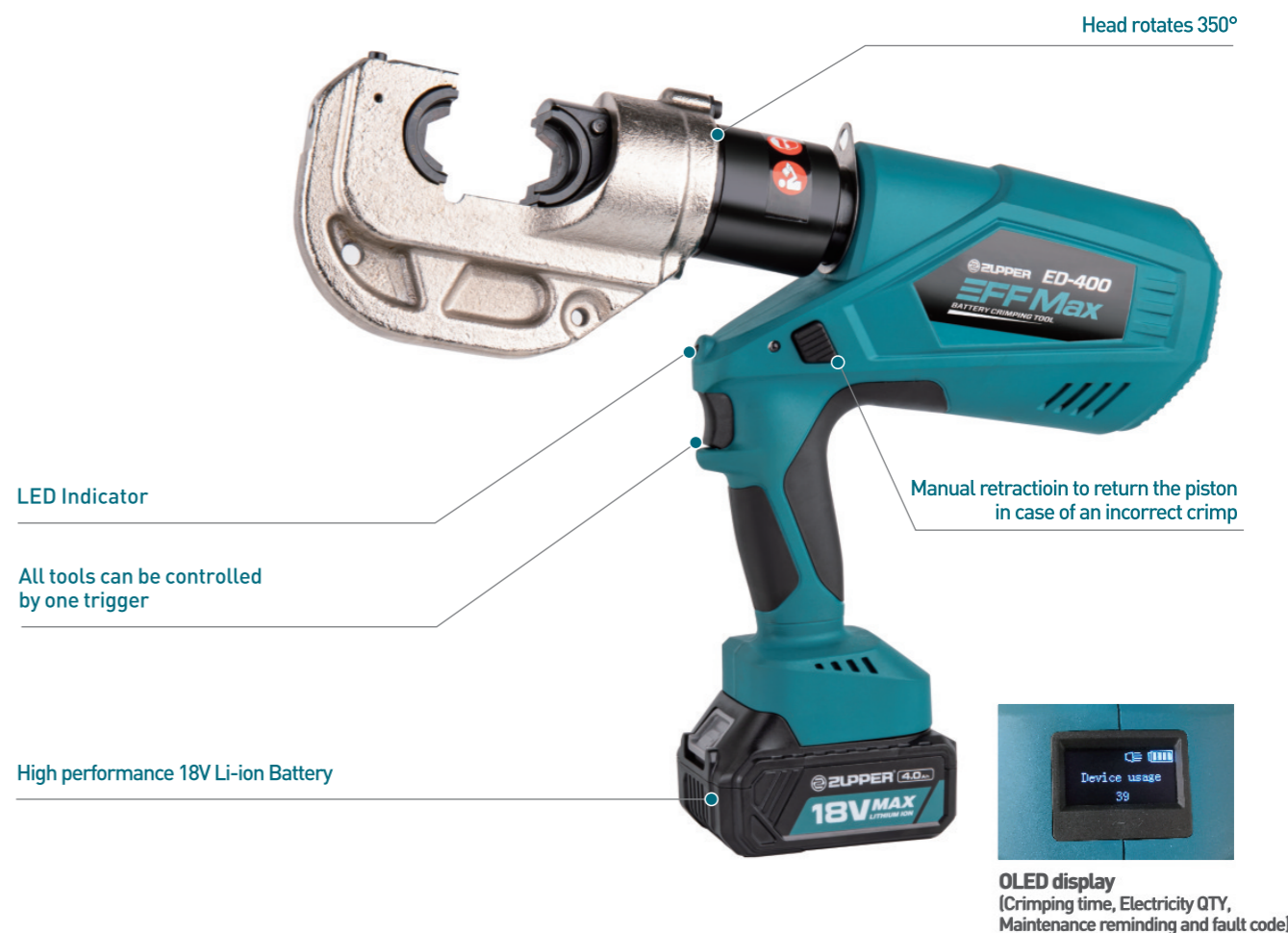
**2 YEARS**  
WARRANTY



## ED-400 Battery Powered Crimping Tool

The fastest, Most reliable

The ED Series give another option for a fast and reliable way to crimp operation. The tool comes standard with two 18V, 4.0Ah Li-ion batteries and one charger, motor drives, Micro-computer control system, OLED display and double valve hydraulic system, it can achieve over 180 cycles per charge



LED Indicator

All tools can be controlled by one trigger

High performance 18V Li-ion Battery

Head rotates 350°

Manual retraction to return the piston in case of an incorrect crimp



OLED display  
(Crimping time, Electricity QTY, Maintenance reminding and fault code)



### Characteristics

- OLED Data Display to show crimping time, Electricity Quantity, maintenance reminding and fault code.
- Air Cooling Heat dissipation System to extend using life.
- Crimping head rotates 350°
- Two stage hydraulic system with fast feed and power control
- Quick motor stop guarantees highest safety for the operator
- Automatic retraction when crimp is completed
- Electronic control and monitor of crimping operation
- Ergonomic design and optimized position of centre of gravity

### Kit includes:

One Crimping Tool and crimping dies, Two 4.0Ah Batteries, One Charger and Carrying Case.

BATTERY POWERED CRIMPING TOOL



**7~15s**  
PER CYCLE TIME



**ED-630U**  
Battery Powered Crimping Tool  
High Efficiency & Durability

Cu 16-630mm<sup>2</sup>, Al 10-500mm<sup>2</sup>

- U type latch head, with light weight, high strength 350° rotary crimping head, working at any site
- Two stage hydraulic system with high efficiency
- OLED display shows battery percentage, working time, maintenance reminding, errors info etc

Technical data	ED-630U
Rated pressure:	180kN
Stroke:	27.5mm
Crimping range:	Cu 16-630mm <sup>2</sup> /Al 10-500mm <sup>2</sup>
Time/work:	7-15s(depend on the dia of cable)
Cycles/charger:	130cycles(Cu 150mm <sup>2</sup> )
Voltage/capacity:	18V/4.0Ah
Charging time:	Approx. 80 mins
Charging voltage:	AC 100V-240V ;50-60Hz
Package:	Plastic box
Ambient temperature	-10 ~ 40°C
Weight:	8.7kgs (with battery)
Size of tool:	425x343x84mm
ACCESSORIES	
Crimping dies:	16,25,35,50,70,95,120,150,185, 240,300,400,500,630mm <sup>2</sup>
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set



500/630mm<sup>2</sup> Integral Crimping Die

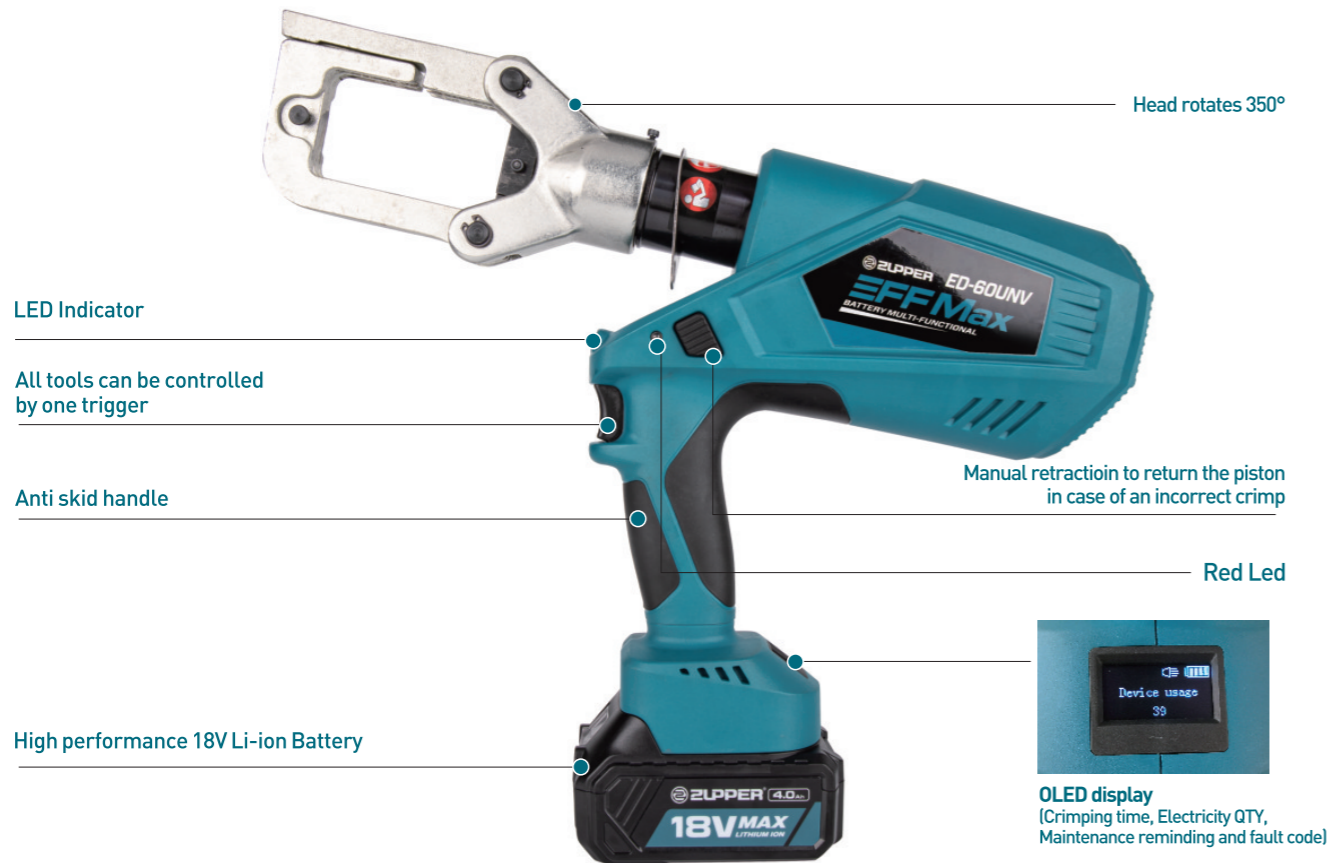


Interchangeable Crimping Dies:  
16,25,35,50,70,95,120,150,185,240,300,400mm<sup>2</sup>

Technical data	ED-300	ED-400	ED-400U	ED-6B
Rated pressure:	60kN	120kN	120kN	60kN
Stroke:	17mm	42mm	20mm	35mm
Oil capacity:	115ml	160ml	160ml	115ml
Max crimping:	Cu 300mm <sup>2</sup> /Al 240mm <sup>2</sup>	Cu 400mm <sup>2</sup> /Al 300mm <sup>2</sup>	Cu 400mm <sup>2</sup> /Al 300mm <sup>2</sup>	Cu240mm <sup>2</sup> /Al 185mm <sup>2</sup>
Cycle time	2.5-5s (Cu 150 mm <sup>2</sup> )	5-8s(Cu 150 mm <sup>2</sup> )	5-8s(Cu 150 mm <sup>2</sup> )	5-8s(Cu 150 mm <sup>2</sup> )
Cycles/charger:	Approx. 300 cycles (Cu 150 mm <sup>2</sup> )	Approx. 120 cycles (Cu 150 mm <sup>2</sup> )	Approx. 130 cycles (Cu 150 mm <sup>2</sup> )	Approx.250 cycles (Cu 150 mm <sup>2</sup> )
Voltage/capacity:	18V/4.0Ah	18V/4.0Ah	18V/4.0Ah	18V/4.0Ah
Charging time:	Approx.80 mins	Approx.80 mins	Approx.80 mins	Approx.80 mins
Charging voltage:	AC 100V-240V ;50-60Hz	AC 100V-240V ;50-60Hz	AC 100V-240V ;50-60Hz	AC 100V-240V ;50-60Hz
Package:	Plastic box	Plastic box	Plastic box	Plastic box
Weight incl. battery:	4.6kgs	7.3kgs	6.2kgs	5.5kgs
RSW function: (retract stop for multiple crimps)	×	√	×	×
ACCESSORIES				
Crimping dies:	16,25,35,50,70,95,120,150,185, 240,300 mm <sup>2</sup>	16,25,35,50,70,95,120,150,185, 240,300,400mm <sup>2</sup>	16,25,35,50,70,95,120,150,185, 240,300,400mm <sup>2</sup>	
Battery:	2pcs	2pcs	2pcs	2pcs
Charger:	1pc	1pc	1pc	1pc
Sealing ring of cylinder:	1set	1set	1set	1set
Sealing ring of safety valve	1set	1set	1set	1set

## ED-60UNV Battery Powered Multi-functional Tool

For operations requiring varied application, the ZUPPER offers a multi-functional tool, crimping, cutting and punching in one single tool. The tool comes standard with two 18V, 4.0Ah Li-ion batteries and one charger, motor drives, Micro-computer control system, OLED display and two stage hydraulic system with fast feed and power control.



Technical data	
Output force:	60kN
Stroke:	42mm
Cutting/Charge:	70 cycles
Cutting range:	Ø40mm(Cu/Al and armoured cable)
Crimping/Charge:	160 cycles
Crimping range:	16-300mm <sup>2</sup>
Punching/Charge:	100 cycles
Punching range:	Ø22.5-Ø61.5mm
Crimping cycle:	3-5s [Cu150mm <sup>2</sup> ]
Cutting Cycle:	3.8s [Cu150mm <sup>2</sup> ]
Punching Cycle:	6.2s (Ø61.5mm on 3mm thickness metal plate)
Voltage:	18V
Capacity:	4.0Ah
Charging time:	80 mins
Package:	plastic box
ACCESSORIES:	
Crimping dies:	16,25,35,50,70,95,120,150,185,240,300mm <sup>2</sup>
Punches&die (Type D):	22.5, 28.3, 34.6, 43.2, 49.6, 61.5mm
Blade:	1set
Adapter for crimping:	1pc
Adapter for punching:	1pc
3/4", 16UN Draw stud:	1pc
7/16", 20UN Draw stud:	1pc
Spacer:	1pc
Battery:	2 pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set

### ADAPTER AND DIES FOR ED-60UNV

ADAPTER	APPLICATION: CRIMPING
	Cu compression cable lugs and compression joints 16-300mm <sup>2</sup> Al compression cable lugs and compression joints 10-240mm <sup>2</sup>
BLADE	APPLICATION: CUTTING
	Ø40mm Cu/Al cable
ADAPTER	APPLICATION: PUNCHING
	Round punches: Ø22.5-61.5mm in the 3.5mm mild steel

## ED-120UNV Battery Powered Multi-functional Tool

- Quick change among crimping, cutting and punching
- Easy Operation

- 350° rotary crimping head, working at any site
- Two stage hydraulic system with high efficiency
- OLED display shows battery percentage, working time, maintenance reminding, errors info etc



Technical data	
Output force:	120kN
Stroke:	23mm
Cutting range:	Ø65mm Cu/Al cable Ø50mm Armoured cable
Crimping range:	16-400mm <sup>2</sup>
Punching range:	Ø22.5-61.5mm
Voltage:	18V
Capacity:	4.0Ah
Charging time:	80 mins
Package:	plastic box 6.96kgs(with battery and crimping head) 7.1kgs(with battery and cutting head) 6.2kgs(with battery and punching head)
Weight:	410x78x345mm(with crimping head) 490x77x356mm(with cutting head) 431x76x326mm(with punching head)
ACCESSORIES:	
Crimping dies:	16,25,35,50,70,95,120,150,185,240,300,400mm <sup>2</sup>
Punches&die (Type D):	22.5, 28.3, 34.6, 43.2, 49.6, 61.5mm
Crimping head:	1pc
Cutting head:	1pc
Punch head:	1pc
3/4", 16UN Draw stud:	1pc
7/16", 20UN Draw stud:	1pc
Spacer:	1pc
Battery:	2 pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set

One Tool and crimping head, crimping dies, cutting head, punching head, punch spare parts, Two 4.0Ah Batteries, One Charger and Carrying Case.



**COMPACT  
EFFICIENCY  
DURABLE**



**New generation BLM series  
Brushless motor  
Battery Powered Crimping Tool**

**BL  
MOTOR**



All Tools can be Controlled by One Trigger

Anti-slip Handle

OLED Display  
Show Crimping Cycles, Power, Errors Info

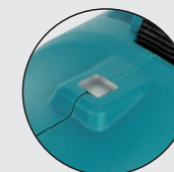
Battery Lock

High Performance  
18v Li-ion Battery



LED indicator  
For illumination

Manual Retract if Need



LED indicator  
For showing tool status,warning



**BLM-240 BLM-300  
Battery Powered Crimping Tool**

- Professional tool for the highest demands
- One-hand operation thanks to ergonomic design
- Compact measures with 350°rotatable head, suitable for tight work area
- **Brushless motor**  
with longer life time, more Run-time and maintenance-free
- **Updated PCB technology**  
waterproof, dustproof, metal scraps proof
- **Optional function**  
bluetooth, pressure sensor and wireless remote controller



**BL  
MOTOR**

Technical data	BLM-240	BLM-300
Rated pressure:	50kN	60kN
Stroke:	14mm	17mm
Crimping range:	Cu 240mm <sup>2</sup> /Al 185mm <sup>2</sup>	Cu 300mm <sup>2</sup> /Al 240mm <sup>2</sup>
Voltage/capacity:	18V/2.0Ah	18V/2.0Ah
Charging time:	Approx.40 mins	Approx.40 mins
Charging voltage:	AC 100V-240V ;50-60Hz	AC 100V-240V ;50-60Hz
Package:	Plastic box	Plastic box
Ambient temperature:	-10-40°C	-10-40°C
Size of tool:	428x120x80mm	420x129x80mm
Weight:	3.0kgs(with battery)	3.5kgs(with battery)
<b>ACCESSORIES</b>		
Crimping dies:	10-16,25-35,50-70,95,120,150,185,240 mm <sup>2</sup>	16,25,35,50,70,95,120,150,185,240,300 mm <sup>2</sup>
Battery:	2pcs	2pcs
Charger:	1pc	1pc
Sealing ring of cylinder:	1set	1set
Sealing ring of safety valve	1set	1set

BATTERY POWERED CRIMPING TOOL

## BLM-1512 Battery Powered Crimping Tool

### Quick and Safe Wiring Pre-contacting function

Pre-contacting lugs, convenient to put in cable

The ZUPPER BLM series with latest technology, updated structure and extended lifetime. It is slim and smart, really a good choice with in-line grip.

### 350° SWIVELLING BARREL

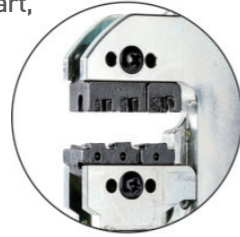
Easy access to connections

### ERGONOMIC DESIGN

With light weight and in-line grip, easily work overhead and in tight spaces.

### OLED DISPLAY

- Easy reading on
- Battery Percentage
- Crimping Cycles
- Fault Code
- Maintenance Note



**BL  
MOTOR**

Technical data		BLM-1512
Rated pressure:		15kN
Stroke:		12mm
Max.crimping range:		Wire Ferrule End Sleeves:0.5-50mm <sup>2</sup> Non-insulated Terminal and connector:0.5-10mm <sup>2</sup> Pre-insulated Terminal and Connector:0.5-6mm <sup>2</sup>
Weight:		1.9kgs(with battery)
Tool size:		383×131×80mm
Accessories		
Crimping dies:		4pairs
Battery:		18V Li-ion 2.0Ah
Charger:		AC 100V-240V 50-60Hz
Sealing ring of cylinder:		1set
Sealing ring of safety valve:		1set

Noted: The standard die for Wire Ferrule End Sleeves is 0.5-16mm<sup>2</sup>. 25-50mm<sup>2</sup> is optional.

## BLM-2430C Battery Powered Crimping & Cutting tool

### 24kN Powerful Output TWO-IN-ONE Applicability more extensive

- Quality guaranteed  
Core parts are general utilization and standardization
- Ergonomic design  
With light body
- OLED display shows battery percentage, working cycles, fault code, maintenance note



**BL  
MOTOR**

Technical data		BLM-2430C
Rated pressure:		24kN
Stroke:		30mm
Rated power:		270W
Max. crimping range:		Cu 300mm <sup>2</sup>
Max. cutting range:		φ30mm Cu/Al cable (It is not suitable for cutting fine strand and extra fine cables)
Battery:		18V 2.0Ah Li-ion
Charging voltage:		AC100-240V 50-60Hz
Charging time:		Approx. 40mins
Weight:		2.3kgs(with battery)
Tool size:		409×120×80mm (not include the jaws)
Accessories		
Crimping dies:		16,25,35,50,70,95,120,150,185, 240,300 mm <sup>2</sup>
Crimping head:		1pc
Cutting head:		1pc
Battery:		2pcs
Charger:		1pc
Sealing ring:		1set



Cu 300mm<sup>2</sup> (suit for Tubular lugs)



φ30mm Cu/Al cable  
(Non-fine strand and extra-fine strand)



**STABLE, RELIABLE, DURABLE  
LATEST TECHNOLOGY  
FOR CRIMPING TOOL**

**TO BE MORE SMART  
TO BE MORE SLIM**

**2**  
YEARS  
**20000**  
CYCLES  
**SL SERIES**  
BATTERY POWERED  
CRIMPING TOOL



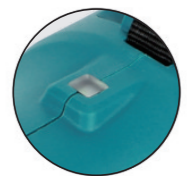
LED indicator  
For illumination

Manual Retract if Need



All Tools can be Controlled  
by One Trigger

Anti-slip Handle



OLED Display  
Show Crimping Cycles,  
Power, Errors Info

LED indicator  
For showing tool status, warning

Battery Lock

High Performance  
18v Li-ion Battery



# SL SERIES MINI BATTERY POWERED TOOL

## BATTERY POWERED CRIMPING TOOL

- Ergonomic design with light weight, easily work overhead and in tight spaces
- The indicator light, with green indicating completion of press cycle, and red indicating press error or tool malfunction
- Only 2-4S to finish one cycle press
- SERVICE INTERVAL 10000 cycles



## SL-240 SL-300 Battery Powered Crimping Tool

The ZUPPER SL series with latest technology, updated structure and extended lifetime. It is slim and smart, really a good choice with in-line grip.

### 350° SWIVELLING BARREL

Easy access to connections

### ERGONOMIC DESIGN

With light weight and in-line grip, easily work overhead and in tight spaces.

### OLED DISPLAY

- Easy reading on
- Battery Percentage
- Crimping Cycles
- Fault Code
- Maintenance Note



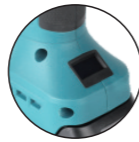
Technical data	SL-240	SL-300
Rated pressure:	50kN	60kN
Stroke:	14mm	17mm
Crimping range:	Cu 240mm <sup>2</sup> /Al 185mm <sup>2</sup>	Cu 300mm <sup>2</sup> /Al 240mm <sup>2</sup>
Voltage/capacity:	18V/2.0Ah	18V/2.0Ah
Charging time:	Approx.40 mins	Approx.40 mins
Charging voltage:	AC 100V-240V ;50-60Hz	AC 100V-240V ;50-60Hz
Package:	Plastic box	Plastic box
Ambient temperature:	-10-40°C	-10-40°C
Size of tool:	429×119×76mm	420×129×76mm
Weight:	3.0kgs(with battery)	3.5kgs(with battery)
ACCESSORIES		
Crimping dies:	10-16,25-35,50-70,95,120,150,185,240 mm <sup>2</sup>	16,25,35,50,70,95,120,150,185,240,300 mm <sup>2</sup>
Battery:	2pcs	2pcs
Charger:	1pc	1pc
Sealing ring of cylinder:	1set	1set
Sealing ring of safety valve	1set	1set



## SL-2430C Battery Powered Crimping & Cutting tool

24kN Powerful Output  
TWO-IN-ONE  
Applicability more extensive

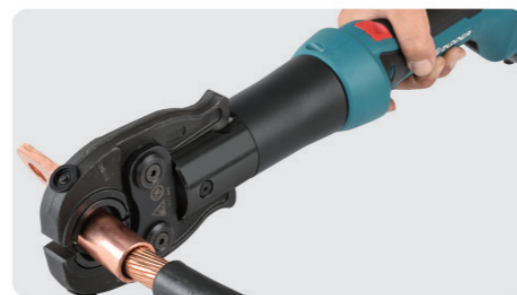
- Quality guaranteed  
Core parts are general utilization and standardization
- Ergonomic design  
With light body
- OLED display shows battery percentage, working cycles, fault code, maintenance note



OLED display



Technical data	SL-2430C
Rated pressure:	24kN
Stroke:	30mm
Rated power:	270W
Max. crimping range:	Cu 300mm <sup>2</sup>
Max. cutting range:	φ30mm Cu/Al cable (It is not suitable for cutting fine strand and extra fine cables)
Battery:	18V 2.0Ah Li-ion
Charging voltage:	AC100-240V 50-60Hz
Charging time:	Approx.40mins
Weight:	2.3kgs(with battery)
Tool size:	408×119×76mm (not include the jaws)
Accessories	
Crimping dies:	16,25,35,50,70,95,120,150,185, 240,300 mm <sup>2</sup>
Crimping head:	1pc
Cutting head:	1pc
Battery:	2pcs
Charger:	1pc
Sealing ring:	1set



Cu 300mm<sup>2</sup> (suit for Tubular lugs)



φ30mm Cu/Al cable  
(Non-fine strand and extra-fine strand)

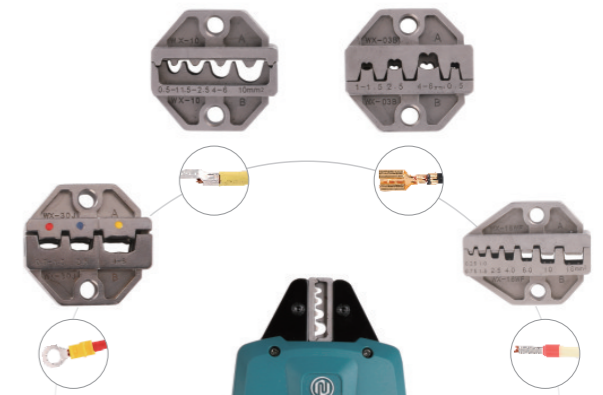
## SL-1512 Battery Powered Crimping Tool

Quick and Safe Wiring  
Pre-contacting function

Pre-contacting lugs, convenient to put in cable

Technical data	SL-1512
Rated pressure:	15kN
Stroke:	12mm
Max.crimping range:	Wire Ferrule End Sleeves:0.5-50mm <sup>2</sup> Non-insulated Terminal and connector:0.5-10mm <sup>2</sup> Pre-insulated Terminal and Connector:0.5-6mm <sup>2</sup>
Weight:	1.9kgs(with battery)
Tool size:	383×130×76mm
Accessories	
Crimping dies:	4pairs
Battery:	18V Li-ion 2.0Ah
Charger:	AC 100V-240V 50-60Hz
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set

Noted: The standard die for Wire Ferrule End Sleeves is 0.5-16mm<sup>2</sup>. 25-50mm<sup>2</sup> is optional.



## MP-50 Electromechanical Crimping Tool

Quick and Safe Wiring

Technical data	MP-50
Rated pressure:	16kN
Crimping range:	Wire Ferrule End Sleeves:0.5-50mm <sup>2</sup> Non-insulated Terminal and connector:0.5-10mm <sup>2</sup> Pre-insulated Terminal and Connector:0.5-6mm <sup>2</sup>
Weight:	1.4kgs ( tool with battery)
Tool size:	310x118x76mm
Accessories	
Crimping dies:	4pairs
Battery:	18V Li-ion 2.0Ah
Charger:	AC 100V-240V 50-60Hz

Noted: The standard die for Wire Ferrule End Sleeves is 0.5-16mm<sup>2</sup>. 25-50mm<sup>2</sup> is optional.

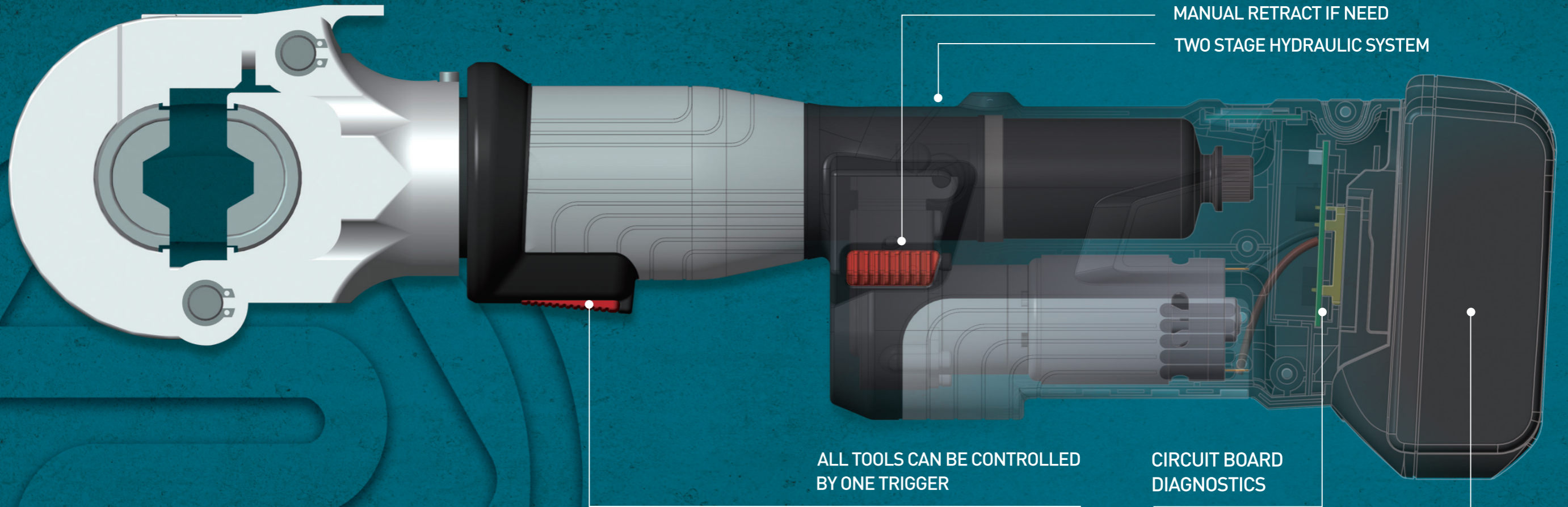


TO BE MORE COMPACT,  
TO BE MORE POWERFUL

**2~4s 3.9KGS**

Super quick, complete by one trigger

SMALLER, FASTER, LIGHTER  
**COMPACT MEASURES  
HUGE POWER**



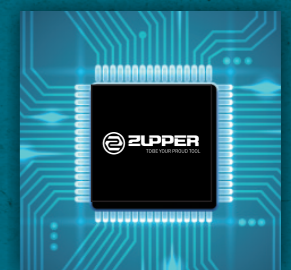
**THE RIGHT TOOL FOR YOUR NEEDS**

- **CIRCUIT BOARD DIAGNOSTICS**  
Alert you when the battery is low or the tool is too hot or cold
- **OLED DISPLAY**
  - Easy reading on
  - Battery Percentage
  - Crimping Times
  - Fault Code
  - Maintenance Note

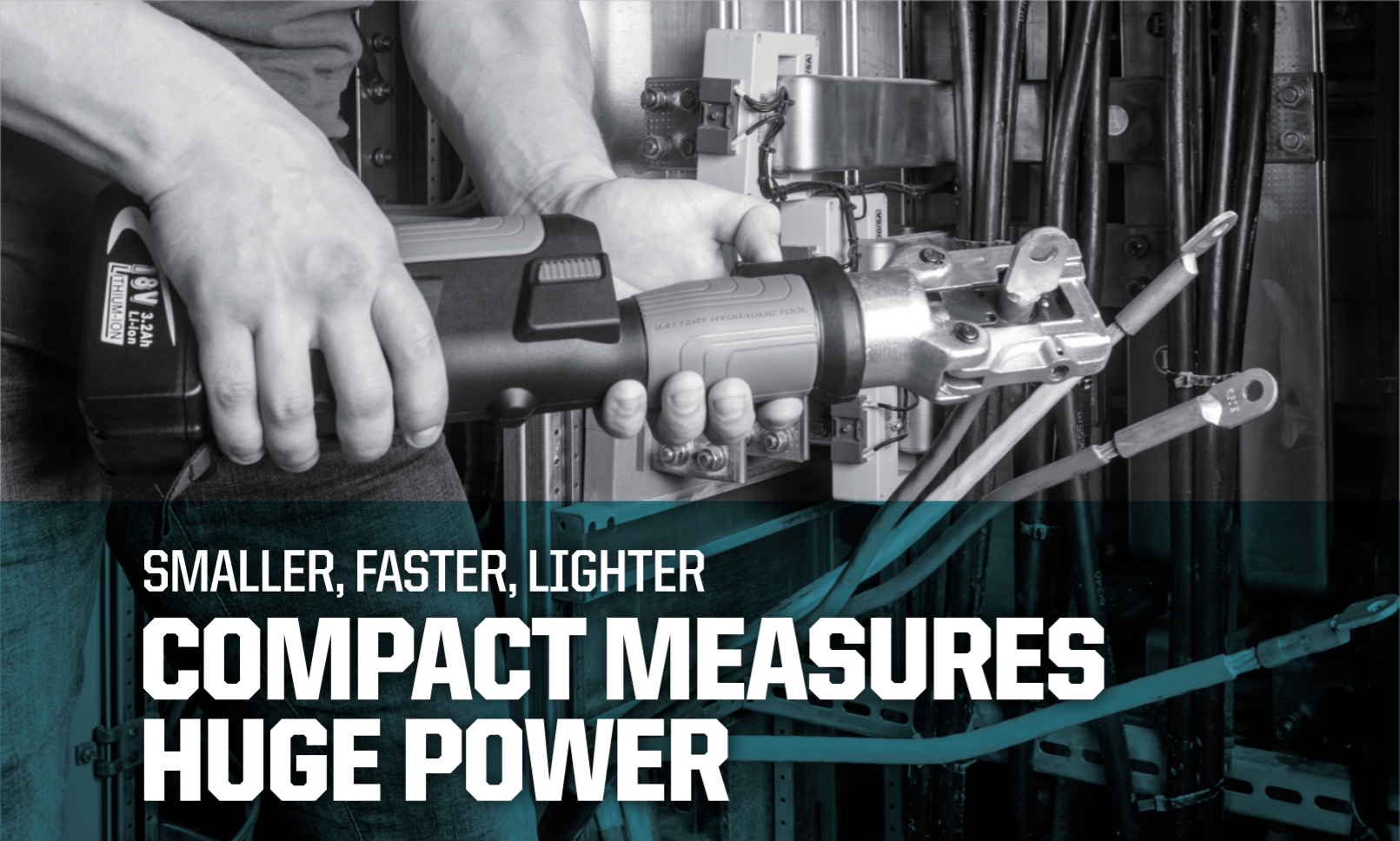
**2**  
YEARS  
**20000**  
CYCLES  
**PZ SERIES**  
BATTERY POWERED  
CRIMPING TOOL

- **180° SWIVELLING BARREL**  
Easy access to connections
- **TWO STAGE HYDRAULIC SYSTEM**  
Hydraulic Ram Output provides more force for reliable connection
- **ERGONOMIC DESIGN**  
With light weight and inline grip, easily work overhead and in tight spaces.
- **SERVICE INTERVAL: 10000 Cycles**

HIGH PERFORMANCE  
18V Li-ion Battery



**CIRCUIT BOARD DIAGNOSTICS**  
Alert you when the battery is low or the tool is too hot or cold



**SMALLER, FASTER, LIGHTER  
COMPACT MEASURES  
HUGE POWER**

**PZ-240  
PZ-300**  
BATTERY POWERED  
CRIMPING TOOL

**2.5~4s**  
PER CYCLE TIME

**2**  
YEARS  
**20000**  
CYCLES  
**PZ SERIES**  
BATTERY POWERED  
CRIMPING TOOL



**PZ-240 PZ-300**  
**Battery Powered Crimping Tool**

The ZUPPER PZ Series with the small size and a low weight can generate high power and performance, it is the newest addition to the mini crimp tool with in-line grip, 2-4 Seconds CRIMP cycle time.

**CIRCUIT BOARD DIAGNOSTICS**

Alert you when the battery is low or the tool is too hot or cold

**180° SWIVELLING BARREL**

Easy access to connections

**TWO STAGE HYDRAULIC SYSTEM**

Hydraulic Ram Output provides more force for reliable connection

**ERGONOMIC DESIGN**

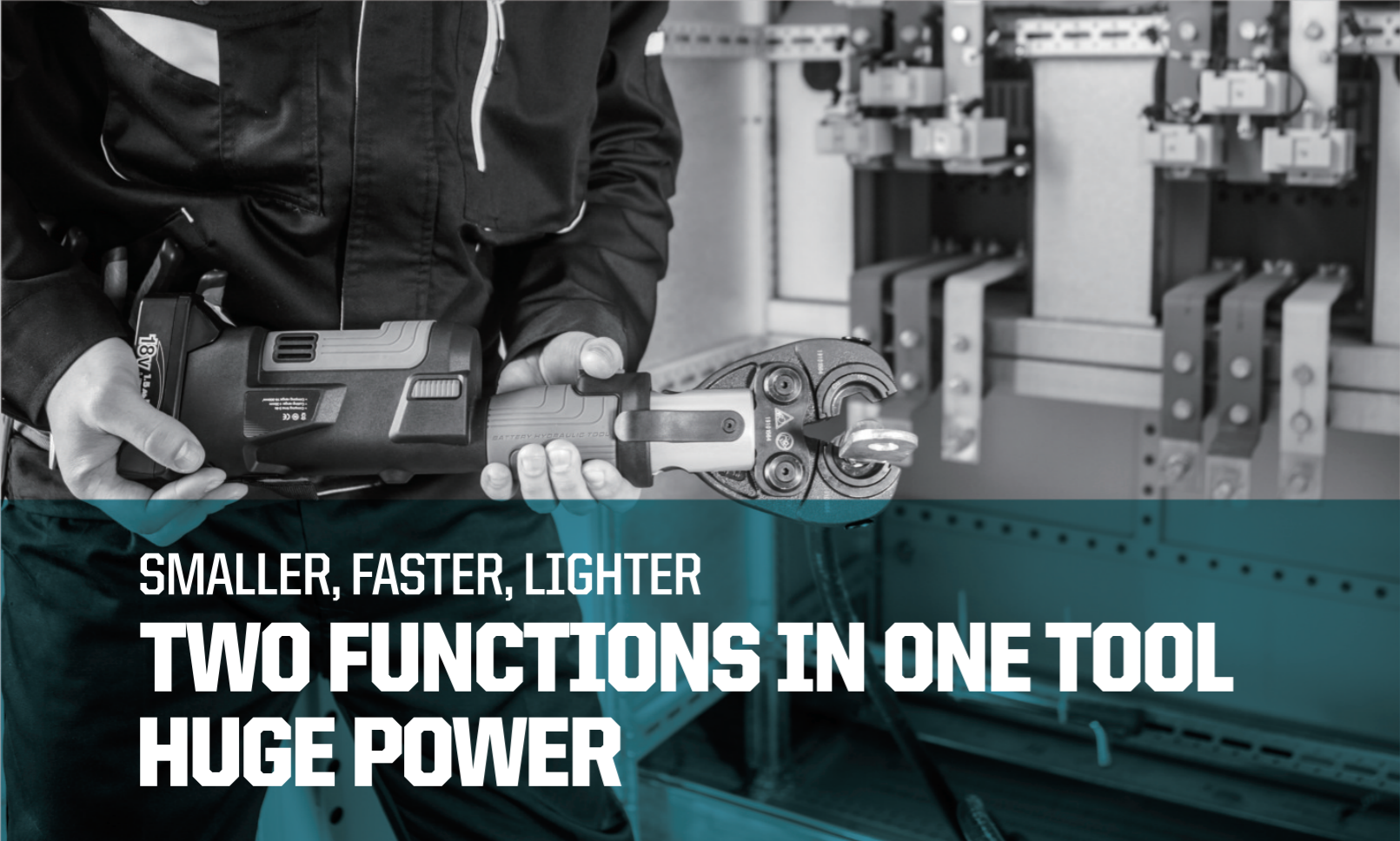
With light weight and in-line grip, easily work overhead and in tight spaces.

**OLED DISPLAY**

- Easy reading on
- Battery Percentage
- Crimping Times
- Fault Code
- Maintenance Note



Technical data	PZ-240	PZ-300
Rated pressure:	50kN	60kN
Stroke:	14mm	17mm
Crimping range:	Cu 240mm <sup>2</sup> /Al 185mm <sup>2</sup>	Cu 300mm <sup>2</sup> /Al 240mm <sup>2</sup>
Time/work:	2.5-4s(depend on the dia of cable)	2.5-4s(depend on the dia of cable)
Voltage/capacity:	18V/2.0Ah	18V/2.0Ah
Charging time:	Approx.40 mins	Approx.40 mins
Charging voltage:	AC 100V-240V ;50-60Hz	AC 100V-240V ;50-60Hz
Package:	Plastic box	Plastic box
Ambient temperature:	-10-40°C	-10-40°C
Size of tool:	432x124x75mm	428x134x75mm
Weight:	2.9kgs(with battery)	3.9kgs(with battery)
ACCESSORIES		
Crimping dies:	10-16,25-35,50-70,95,120,150,185,240 mm <sup>2</sup>	16,25,35,50,70,95,120,150,185,240,300 mm <sup>2</sup>
Battery:	2pcs	2pcs
Charger:	1pc	1pc
Sealing ring of cylinder:	1set	1set
Sealing ring of safety valve	1set	1set



**SMALLER, FASTER, LIGHTER**  
**TWO FUNCTIONS IN ONE TOOL**  
**HUGE POWER**

**PZ-300C**  
**BATTERY POWERED CRIMPING**  
**& CUTTING TOOL**

Cutting range:  $\varnothing$ 30mm Cu/Al cable  
Crimping range: Cu 300mm<sup>2</sup> /Al 240mm<sup>2</sup>



**ONLY**  
**2KG**  
**2.5~4s**  
PER CYCLE TIME



**PZ-300C**  
**Battery Powered Crimping & Cutting Tool**

For operations requiring varied application, the ZUPPER offers a multi-functional tool, crimping and cutting in one single tool. The ZUPPER PZ-300C with the small size and a low weight can generate high power and performance, it is the newest addition to the mini crimp & cut tool with in-line grip, 2kgs Only, 2.5-5 Seconds work cycle time.

**CIRCUIT BOARD DIAGNOSTICS**

Alert you when the battery is low or the tool is too hot or cold

**OLED DISPLAY**

- Easy reading on
- Battery Percentage
- Working Times
- Fault Code
- Maintenance Note

**180° SWIVELLING BARREL**

Easy access to connections

**TWO STAGE HYDRAULIC SYSTEM WITH 19KN**

Hydraulic Ram Output provides more force for reliable connection

**ERGONOMIC DESIGN**

With light weight and in-line grip, easily work overhead and in tight spaces.



Technical data	PZ-300C
Rated pressure:	19kN
Stroke:	30mm
Cutting range:	$\varnothing$ 30mm Cu/Al cable (It is not suitable for cutting fine strand and extra fine cables)
Max crimping range:	SC series Cu300mm <sup>2</sup> DT/DTM series Cu120mm <sup>2</sup>
Voltage/capacity:	18V/2.0Ah
Charging time:	Approx.40 mins
Charging voltage:	AC 100V-240V ,50-60Hz
Package:	Plastic box
Weight:	2kgs(with battery) 3.4kgs(with battery and head)
Size of tool:	363x119x75mm
ACCESSORIES	
Crimping dies:	16,25,35,50,70,95,120,150,185, 240,300 mm <sup>2</sup>
Crimping head:	1pc
Cutting head:	1pc
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve	1set

## PZ-2430C Battery Powered Crimping & Cutting Tool

24kN Powerful Output  
TWO-IN-ONE

Applicability more extensive

- Quality guaranteed  
Core parts are general utilization and standardization
- Ergonomic design  
With light body
- OLED display shows battery percentage, press cycles, fault code, maintenance note



**2.5~5s**  
PER CYCLE TIME



Technical data	PZ-2430C
Rated pressure:	24kN
Stroke:	30mm
Rated power:	270W
Max. crimping range:	Cu 300mm <sup>2</sup>
Max. cutting range:	φ30mm Cu/Al cable (It is not suitable for cutting fine strand and extra fine cables)
Battery:	18V 2.0Ah Li-ion
Charging voltage	AC100-240V 50-60Hz
Charging time	Approx.40mins
Weight:	3.85kgs(with battery)
Tool size:	362x122x76mm
Accessories	
Crimping dies:	16,25,35,50,70,95,120,150,185, 240,300 mm <sup>2</sup>
Crimping head:	1pc
Cutting head:	1pc
Battery:	2pcs
Charger:	1pc
Sealing ring:	1set



Cu 300mm<sup>2</sup> (suit for Tubular lugs)



φ30mm Cu/Al cable  
(Non-fine strand and extra-fine strand)

## PZ-400C Battery Powered Hydraulic Crimping & Cutting Tool

For operations require varied application, the ZUPPER offers a multi-functional tool, crimping and cutting in one tool. With the safety design of quick latch, we can switch two different heads in 5 seconds. An ergonomic, in-line design provides in-field versatility so you can work in tight space.

Quick exchange two functions  
Crimping & cutting  
Save time, save cost

### CIRCUIT BOARD DIAGNOSTICS

Alert you when the battery is low or the tool is too hot or cold

### OLED DISPLAY

- Easy reading on
- Battery Percentage
- Working Times
- Fault Code
- Maintenance Note

### TWO STAGE HYDRAULIC SYSTEM WITH 32KN

Hydraulic Ram Output provides more force for reliable connection



**3~5s**  
CRIMPING & CUTTING CYCLE TIME

Technical data	PZ-400C
Rated pressure:	32kN
Stroke:	40mm
Max cutting:	φ40mm Cu/Al cable (It is not suitable for cutting fine strand and extra fine cables)
Crimping range:	Cu 16-400mm <sup>2</sup> (Tubular lug)
Time/work:	3-6s(depend on the dia of cable)
Voltage/capacity:	18V/4.0Ah
Charging time:	Approx.80mins
Charging voltage:	AC 100V-240V ;50-60Hz
Package:	Plastic box
Ambient temperature	-10°C-40°C
Weight:	3.9kgs(with battery)
Size of tool:	450x81x128mm
Accessories	
Crimping head:	16,25,35,50,70,95,120,150,185,240, 300,400 mm <sup>2</sup>
Cutting head:	1pc
Battery:	1pc
Charger:	2pcs
Sealing ring of cylinder:	1pc
Sealing ring of safety valve:	1set
	1set



# NEW TECHNOLOGY OF EB SERIES BRUSHLESS MOTOR

No carbon brush, durability and reliability



1. Download the ZUPPER Link APP from Apple Store or Google Play
2. Open the APP and sign in using your credentials or create a new account
3. Follow on-screen instructions to register your tool



**ONE TRIGGER**  
All tools can be controlled by one trigger



**OLED**  
OLED display shows the times of crimping, electricity quantity, maintenance reminder and fault code, etc.



**BRUSHLESS MOTOR**  
High-performance brushless motor drive technology.

# BL MOTOR

## EB-400 Battery Powered Crimping Tool New Technology Brushless Motor

To be standard constituent in hydraulic tool field, ZUPPER develop the new technology of brushless motor ,no carbon brush, maintenance-free , motor overload protection and 30% Longer motor life , the brushless motor will do more work in the same full charge of the battery pack, 30% more run-time than the brush motor. Micro computer control system with the feature of self-pressure inspecting, with high-performance 18V battery, 180+Crimps per charge, This tool combines powerful output with an ergonomic design, it delivers reliability and efficiency on every job.



LED Indicator

All tools can be controlled by one trigger

Anti-slip handle

High Performance 18V Li-ion Battery

Heads Rotates 350°

Manual Retract

Red LED

OLED Display



**BL MOTOR**



### BLUETOOTH AND PRESSURE SENSOR

Thanks to new implemented Bluetooth technology, device-related data can be requested via the ZUPPER APP. The ZUPPER EB Series include BLUETOOTH as basic configuration, you can choose pressure sensor at optional.

### ZUPPER Check-APP

- Data transfer between crimp tool and APP
- See the location of where your ZUPPER Link enabled tool was last seen.
- Check the pressure by pressure sensor to differentiate the pressure normal or not.
- APP shows the pressure data counter to check and analyze the pressure easily.



The tool comes with hexagonal dies:  
16,25,35,50,70,95,120,150,185,240,300,400(mm)



The kit includes:  
One crimping tool and crimping dies,  
Two 4.0 batteries, One Charger and Carrying case.

## BRUSHLESS MOTORS ARE DRIVING REVOLUTIONARY PERFORMANCE



**LONGER MOTOR LIFE**

Longer life and maintenance-free thanks to brushless technology



**MORE POWER**

No carbon brush. When the motor is running, there is no power loss by friction and reduce the heat generated by the motor.

**+30%**

**MORE RUN-TIME**

Heat generated by Brushless motor is small. Compared to the brush motor, the brushless motor will do more work in the same full charge of the battery pack



**EXTENSIVE APPLICATION**

No carbon brush, the motor does not produce sparks at work, it is more suitable used in combustible place

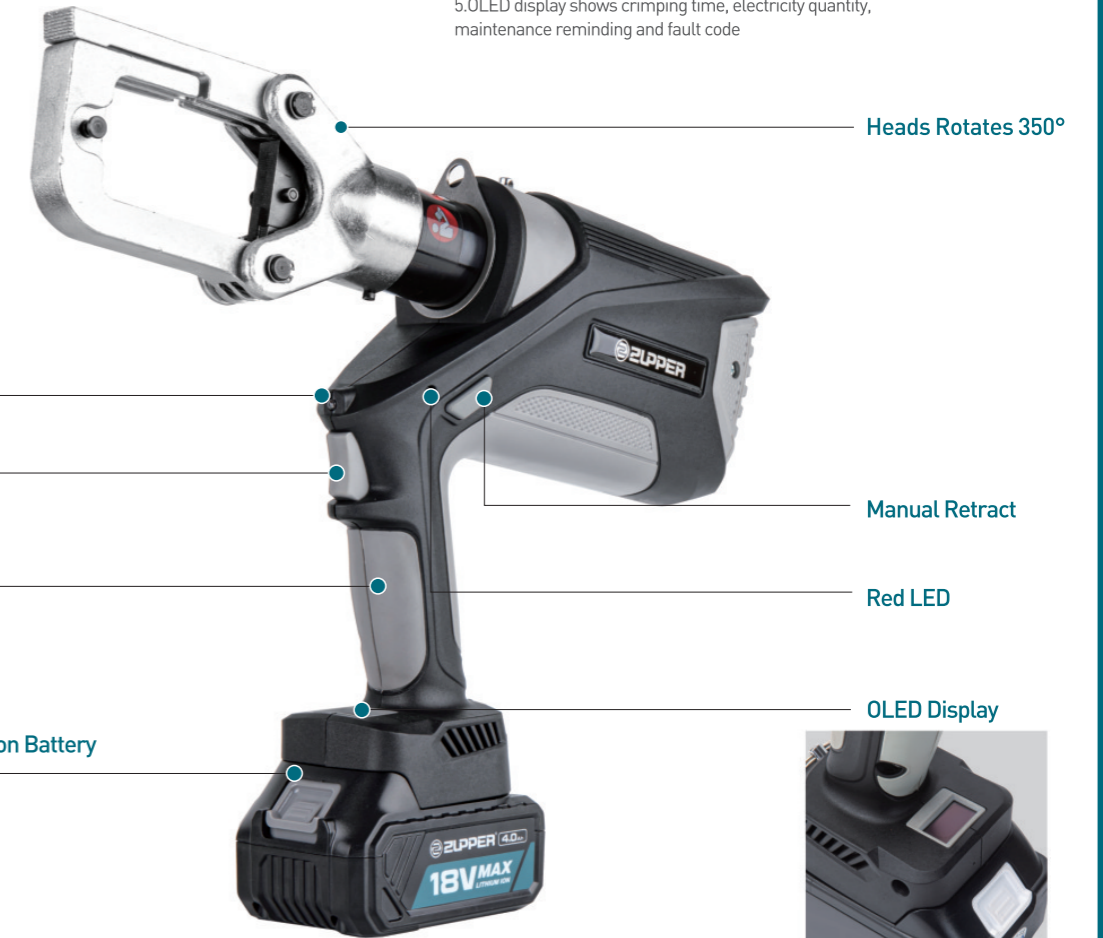


Technical data	EB-300	EB-400	EB-6B
Rated pressure:	60kN	120kN	60kN
Stroke:	17mm	42mm	35mm
Oil capacity:	115ml	160ml	115ml
Max crimping:	Cu 300mm <sup>2</sup> /Al 240mm <sup>2</sup>	Cu 400mm <sup>2</sup> /Al 300mm <sup>2</sup>	Cu240mm <sup>2</sup> /Al 185mm <sup>2</sup>
Cycle time	2.5-3.5s (CU 150 mm <sup>2</sup> )	5-8s(CU 150 mm <sup>2</sup> )	5-6s(CU 150 mm <sup>2</sup> )
Cycles/charger:	Approx. 300 cycles (CU 150 mm <sup>2</sup> )	Approx. 120 cycles (CU 150 mm <sup>2</sup> )	Approx.350 cycles (CU 150 mm <sup>2</sup> )
Voltage/capacity:	18V/4.0Ah	18V/4.0Ah	18V/4.0Ah
Charging time:	Approx.80 mins	Approx.80 mins	Approx.80 mins
Charging voltage:	AC 100V-240V ;50-60Hz	AC 100V-240V ;50-60Hz	AC 100V-240V ;50-60Hz
Package:	Plastic box	Plastic box	Plastic box
Weight incl. battery:	4.6kgs(with battery)	7.3kgs(with battery)	5.5kgs(with battery)
RSW function: (retract stop for multiple crimps)	×	✓	×
<b>ACCESSORIES</b>			
Crimping dies:	16,25,35,50,70,95,120,150,185, 240,300 mm <sup>2</sup>	16,25,35,50,70,95,120,150,185, 240,300, 400mm <sup>2</sup>	
Battery:	2pcs	2pcs	2pcs
Charger:	1pc	1pc	1pc
Sealing ring of cylinder:	1set	1set	1set
Sealing ring of safety valve	1set	1set	1set

## EB-60UNV Battery Powered Brushless Multi-functional Tool

For operations requiring varied application, the ZUPPER offers a multi-functional tool, crimping, cutting and punching in one single tool. The tool comes standard with 18V, 4.0Ah batteries and one charger, motor drives, Micro-computer control system, OLED display and two stage hydraulic system with fast feed and power control.

- 1.Crimping, Cutting, Punching, All in one tool
- 2.The tool can cut copper/Aluminum cable and armoured cable
- 3.350° rotary head with flip head, wide application in different place.
- 4.Two stage hydraulic system, brushless motor, high performance
- 5.OLED display shows crimping time, electricity quantity, maintenance reminding and fault code



Technical data	
Output force:	60kN
Stroke:	42mm
Cutting/Charge:	70 cycles
Cutting range:	Φ40mm(Cu/Al and armoured cable)
Crimping/Charge:	160 cycles
Crimping range:	16-300mm <sup>2</sup>
Punching/Charge:	100 cycles
Punching range:	Φ22.5-Φ61.5mm
Crimping cycle:	4s (Cu150mm <sup>2</sup> )
Cutting Cycle:	3.8s (Cu150mm <sup>2</sup> )
Punching Cycle:	6.2s (φ61.5mm on 3mm thickness metal plate)
Voltage:	18V
Capacity:	4.0Ah
Charging time:	80 mins
Package:	plastic box
<b>ACCESSORIES:</b>	
Crimping dies: 10-16,25-35,50-70,95,120,150,185,240,300mm <sup>2</sup>	
Punches&die (Type D): 22.5, 28.3, 34.6, 43.2, 49.6, 61.5mm	
Blade:	1set
Adapter for crimping:	1pc
Adapter for punching:	1pc
3/4", 16UN Draw stud:	1pc
7/16", 20UN Draw stud:	1pc
Spacer:	1pc
Battery:	2 pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set

### ADAPTER AND DIES FOR EB-60UNV

ADAPTER	APPLICATION: CRIMPING
	Cu compression cable lugs and compression joints 16-300mm <sup>2</sup> Al compression cable lugs and compression joints 10-240mm <sup>2</sup>
BLADE	APPLICATION: CUTTING
	Φ40mm Cu/Al cable
ADAPTER	APPLICATION: PUNCHING
	Round punches: Φ22.5-61.5mm in the 3.5mm mild steel



**RETRACT STOP FOR MULTIPLE CRIMPS**  
**HIGH EFFICIENCY**

**BZ-400**  
Battery Powered  
Crimping Tool



**3~8s**  
PER CYCLE TIME

**2**  
YEARS  
**20000**  
CYCLES  
**BZ SERIES**  
BATTERY POWERED TOOL

**BZ-300 BZ-400 BZ-400U**  
Battery Powered Crimping Tool

BZ series use RSW function, the tools deliver efficiency and reliability on crimping work. All tools can be controlled by one trigger.

**RSW**  
RETRACT STOP FOR MULTIPLE CRIMPS

**System Upgrade, Retract Stop For Position Control.**  
**Efficiency And Save Time On Every Job**

1. Only 3~8s to finish one cycle crimp
2. LED light for low or no-light environment
3. The tool includes two 18V, 4.0Ah Li-ion batteries and one charger
4. It is actuated by motor and controlled by MCU, with two stage hydraulic system.
5. LCD data display can show crimping times, electricity quantity and maintenance reminding information



Technical data	BZ-300	BZ-400	BZ-400U
Rated pressure:	60kN	120kN	120kN
Stroke:	17mm	42mm	35mm
Oil capacity:	115ml	160ml	115ml
Max crimping:	Cu 300mm <sup>2</sup> /Al 240mm <sup>2</sup>	Cu 400mm <sup>2</sup> /Al 300mm <sup>2</sup>	Cu 400mm <sup>2</sup> /Al 300mm <sup>2</sup>
Cycle time	2.5~3.5s (CU 150 mm <sup>2</sup> )	5~8s(CU 150 mm <sup>2</sup> )	5~6s(CU 150 mm <sup>2</sup> )
Cycles/charger:	Approx. 300 cycles (CU 150 mm <sup>2</sup> )	Approx. 120 cycles (CU 150 mm <sup>2</sup> )	Approx. 250 cycles (CU 150 mm <sup>2</sup> )
Voltage/capacity:	18V/4.0Ah	18V/4.0Ah	18V/4.0Ah
Charging time:	Approx.80 mins	Approx.80 mins	Approx.80 mins
Charging voltage:	AC 100V~240V ;50~60Hz	AC 100V~240V ;50~60Hz	AC 100V~240V ;50~60Hz
Package:	Plastic box	Plastic box	Plastic box
Weight incl. battery:	4.6kgs(with battery)	7.3kgs(with battery)	6.2kgs(with battery)
<b>ACCESSORIES</b>			
Crimping dies:	16,25,35,50,70,95,120,150,185, 240,300 mm <sup>2</sup>	16,25,35,50,70,95,120,150,185, 240,300,400mm <sup>2</sup>	16,25,35,50,70,95,120,150,185, 240,300,400mm <sup>2</sup>
Battery:	2pcs	2pcs	2pcs
Charger:	1pc	1pc	1pc
Sealing ring of cylinder:	1set	1set	1set
Sealing ring of safety valve	1set	1set	1set



## BZ-60UNV Battery Powered Multi-functional Tool

For operations requiring varied application, the ZUPPER offers a multi-functional tool, crimping, cutting and punching in one single tool. The tool comes standard with two 18V, 4.0Ah Li-ion batteries and one charger, motor drives, micro-computer control system, LCD display and two stage hydraulic system with fast feed and power control. With the system of RSW-RETRACTION STOP, the tool can continue multiple operate with high efficiency.



**RSW**  
ADAPTER AND DIES FOR BZ-60UNV

Technical data	
Output force:	60kN
Stroke:	42mm
Cutting/Charge:	70 cycles
Cutting range:	Φ40mm(Cu/Al and armoured cable)
Crimping/Charge:	160 cycles
Crimping range:	16-300mm <sup>2</sup>
Punching/Charge:	100 cycles
Punching range:	Φ22.5-Φ61.5mm
Crimping cycle:	4s (Cu150mm <sup>2</sup> )
Cutting Cycle:	3.8s (Cu150mm <sup>2</sup> )
Punching Cycle:	6.2s (Φ61.5mm on 3mm thickness metal plate)
Voltage:	18V
Capacity:	4.0Ah
Charging time:	80 mins
Package:	plastic box

ACCESSORIES:	
Crimping dies:	16,25,35,50,70,95,120,150,185,240,300mm <sup>2</sup>
Punches&die (Type D):	22.5, 28.3, 34.6, 43.2, 49.6, 61.5mm
Blade:	1set
Adapter for crimping:	1pc
Adapter for punching:	1pc
3/4", 16UN Draw stud:	1pc
7/16", 20UN Draw stud:	1pc
Spacer:	1pc
Battery:	2 pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set

ADAPTER	APPLICATION: CRIMPING
	Cu compression cable lugs and compression joints 16-300mm <sup>2</sup> Al compression cable lugs and compression joints 10-240mm <sup>2</sup>

BLADE	APPLICATION: CUTTING
	Φ40mm Cu/Al cable

ADAPTER	APPLICATION: PUNCHING
	Round punches: Φ22.5-61.5mm in the 3.5mm mild steel

## BZ-240 BZ-300B Mini Battery Powered Crimping Tool

The ZUPPER BZ mini series with small and a low weight can generate high power and performance, only 2.5KGS. It is suitable for working in tight space. The tool comes standard with two 18V, 2.0Ah Li-ion batteries and one charger, motor drives, micro-computer control system, and two stage hydraulic system with fast feed and power control.

### Easy One-hand Use, Compact & Powerful

#### CIRCUIT BOARD DIAGNOSTICS

Alert you when the battery is low or the tool is too hot or cold

#### ERGONOMIC DESIGNED

with 30cm length and 2kgs lightweight, easily work overhead and in tight spaces

**4~7s**  
PER CYCLE TIME



Technical data	BZ-240	BZ-300B
Output force:	50kN	50kN
Stroke:	12mm	17mm
Crimping range:	Cu 240mm <sup>2</sup> /Al 185mm <sup>2</sup>	Cu 300mm <sup>2</sup> /Al 240mm <sup>2</sup>
Cycle time:	4-7s(depend on the dia of cable)	4-7s(depend on the dia of cable)
Voltage/capacity:	18V/2.0Ah	18V/2.0Ah
Charging time:	40min	40min
Voltage/capacity:	AC 100V~240V ;50~60Hz	AC 100V~240V ;50~60Hz
Package:	Plastic box	Plastic box
Ambient temperature:	-10~40°C	-10~40°C
Size of tool:	305x75x280mm	300x75x292mm
Crimping dies::	10-16,25-35,50-70,95,120,150,185,240mm <sup>2</sup>	16,25,35,50,70,95,120,150,185,240,300mm <sup>2</sup>
Battery:	2pcs	2pcs
Charger:	1pc	1pc
Sealing ring of cylinder:	1set	1set
Sealing ring of safety valve:	1set	1set



**520W HIGH POWER**  
220V lasting power supply,  
Reliable and Stable

**HH-400**  
Electric Powered Crimping Tool



**5~8s**  
PER CYCLE TIME



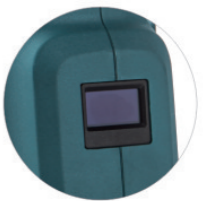
**2 YEARS**  
**20000**  
CYCLES  
**HH SERIES**  
ELECTRICAL POWERED  
CRIMPING TOOL



**HH-300 HH-400**  
Electric Powered Crimping Tool

HH series are full consideration for the cost performance of users, the tool comes standard with 220V input voltage directly, 520W rated power, two stage hydraulic system, save the cost of the batteries with AC series motor, it is perfect experience at a reasonable cost.

1. Crimping head rotates 350°
2. Interchangeable crimping dies, suit for crimping Cu/Al cable and lugs
3. Two stage hydraulic system, AC Series motor with high efficiency.
4. OLED Data Display to show crimping time, maintenance reminding and fault code.

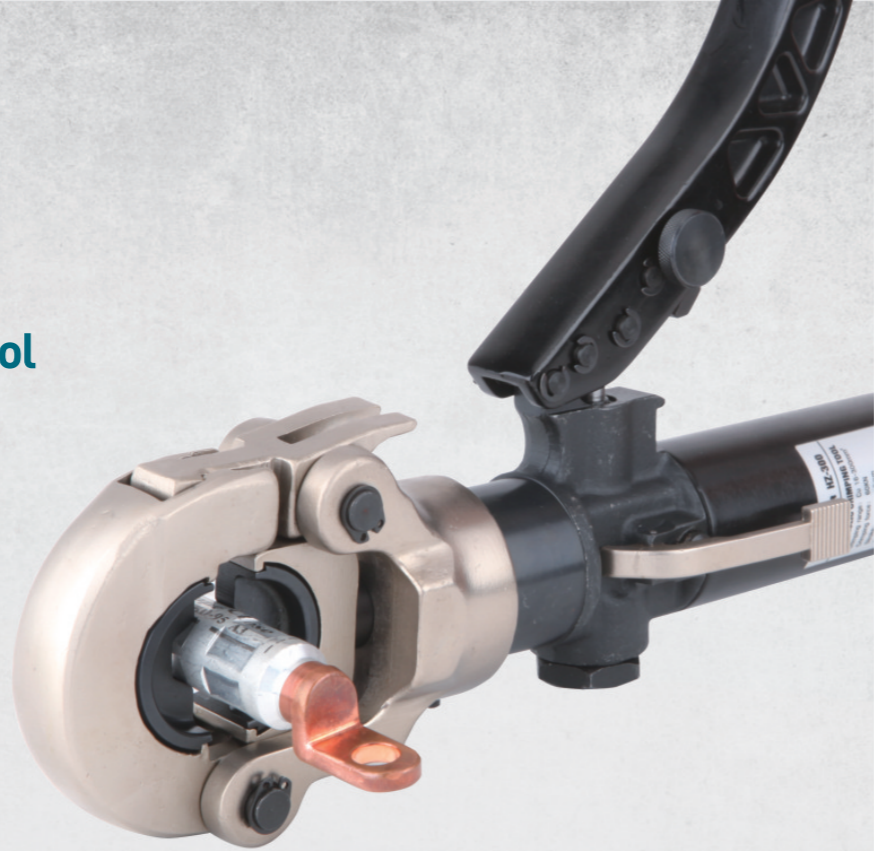


Technical data	HH-300	HH-400
Output force:	60kN	120kN
Stroke:	17mm	42mm
Crimping Range:	Cu300mm <sup>2</sup> /Al 240mm <sup>2</sup>	Cu400mm <sup>2</sup> /Al 300mm <sup>2</sup>
Crimping Cycle:	2.5-6s(depends on size of lug)	5-8s(depends on size of lug)
Voltage:	AC220V 50/60Hz(or AC110V 50/60Hz)	AC220V 50/60Hz(or AC110V 50/60Hz)
Rated Power:	520W	550W
Ambient temperature:	-10-50°C	-10-50°C
Weight:		7.6kgs
Product size:	432×124×75mm	428×134×75mm
<b>Accessories:</b>		
Crimping dies:	16,25,35,50,70,95,120,150,185,240,300mm <sup>2</sup>	16,25,35,50,70,95,120,150,185,240,300,400mm <sup>2</sup>
Sealing ring of cylinder	1pc	1pc
Sealing ring of safety valve	1pc	1pc

## HZ-300 Manual Hydraulic Crimping Tool

Easy to Operate, safety and Reliability

- The tool features a double speed action: a fast advancing speed for rapid approach to the connector and a slower speed with more powerful for crimping.
- The tool set with built-in safety valve, automatically pressure release and manual retract function, to ensure safe and reliable working.
- The head can rotate 350°
- The tool make of high tensive aluminum alloy with light body, compact and powerful
- With interchangeable Die



**Manual retract**  
Release in the middle of pressing,  
Quick reset

**Head design.**  
Flip top style closed  
working head. Rotates 350°

**High tensive aluminum  
alloy handiness**  
Smaller and lighter

**Prevent-slip handle**



## HZ-60UNV MANUAL HYDRAULIC MULTI-FUNCTIONAL TOOL

- Flip top style closed working head. The head can rotate 350°
- Two stage hydraulic system
- One head for crimping, cutting and punching
- Safety system inside

Technical data	
Working force:	60kN
Stroke:	42mm
Crimping range:	Cu 16-300mm <sup>2</sup> Al 10-240mm <sup>2</sup>
Cutting range:	Φ40mm for Cu/Al cable and armoured Cu/Al cable.
Punching range:	Φ22.5-61.5mm in the 3.5mm mild steel
ACCESSORIES:	
Crimping dies:	16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300mm <sup>2</sup>
Punches&die (Type D):	22.5, 28.3, 34.6, 43.2, 49.6, 61.5mm
Blade:	1 set
Adapter for crimping:	1pc
Adapter for punching:	1pc
3/4", 16UN Draw stud:	1pc
7/16", 20UN Draw stud:	1pc
Spacer:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set



Cu 16-300mm<sup>2</sup>  
Al 10-240mm<sup>2</sup>

Φ40mm for Cu/Al cable  
and armoured Cu/Al cable.

Φ22.5-61.5mm in the 3.5mm  
mild steel



### HZ-300 SAFETY SYSTEM INSIDE

- Flip top style closed working head. The head can rotate 350°
- Two stage hydraulic system
- Safety system inside, automatic pressure release when crimp is completed.

Technical data	
Crimping range:	16-300mm <sup>2</sup>
Crimping force:	60kN
Stroke:	17mm
Crimping type:	Hexagon crimping
ACCESSORIES:	
Crimping die:	16,25,35,50,70,95,120,150,185,240,300mm <sup>2</sup>

### HZ-400 SAFETY SYSTEM INSIDE

- The tool features with C type head, it can rotate 350°
- Two stage hydraulic system
- Safety system inside, automatic pressure release when crimp is completed.

Technical data	
Crimping range:	16-400mm <sup>2</sup>
Crimping force:	120kN
Stroke:	42mm
Crimping type:	Hexagon crimping
ACCESSORIES:	
Crimping die:	16,25,35,50,70,95,120,150,185,240,300,400mm <sup>2</sup>



**HT-150** SAFETY SYSTEM INSIDE

- Flip top style head, rotates 180°
- With safety valve inside to avoid overload

Technical data	
Crimping range:	Cu 4-150mm <sup>2</sup>
Crimping force:	35kN
Length:	215mm
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	4, 6, 8, 10, 16, 25, 35, 50, 70, 95, 120, 150mm <sup>2</sup>



**THS-150**

- Flip top style head, rotates 180°
- With safety valve inside to avoid overload

Technical data	
Crimping range:	Cu 10-150mm <sup>2</sup>
Crimping force:	60kN
Accessories:	
Crimping dies:	10-16, 25-35, 50-70, 95-120, 150mm <sup>2</sup>



**CYO-510B** SAFETY SYSTEM INSIDE

- Two stage hydraulic system with fast feed and power stroke, With Safety valve, twist the active handle to release the pressure

Technical data	
Crimping force:	126kN
Crimping range:	Cu 50-400mm <sup>2</sup>
Stroke:	38mm
Oil capacity:	145cc
Accessories:	
Crimping dies:	50, 70, 95, 120, 150, 185, 240, 300, 400mm <sup>2</sup>



**CYO-400C** FLIP TOP STYLE HEAD

- Two stage hydraulic system with fast feed and power stroke

Technical data	
Crimping force:	126kN
Crimping range:	Cu 16-400mm <sup>2</sup>
Stroke:	25mm
Oil capacity:	145cc
Accessories:	
Crimping dies:	16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300, 400mm <sup>2</sup>



**CYO-6B** Up to 240mm<sup>2</sup>

- Quad-point indent crimping feature, no die required
  - The head can rotate 350°
  - With Safety valve, twist the active handle to release the pressure
- Suitable for crimping tubular cable lugs and connectors "standard type" and fine and superfine stranded conductors to 240mm<sup>2</sup>

Technical data	
Crimping range:	Cu 10-240mm <sup>2</sup>
Crimping force:	60kN
Stroke:	35mm



**CYO-430** SAFETY SYSTEM INSIDE

- Two stage hydraulic system with fast feed and power stroke, With Safety valve, twist the active handle to release the pressure

Technical data	
Crimping force:	116kN
Crimping range:	Cu 50-400mm <sup>2</sup>
Stroke:	30mm
Oil capacity:	145cc
Accessories:	
Crimping dies:	50, 70, 95, 120, 150, 185, 240, 300, 400mm <sup>2</sup>



**YQK-70**

- Single stage plunger pump, simple structure, reliable performance, interchangeable dies for different size

Technical data	
Crimping range:	Cu 4-70mm <sup>2</sup>
Crimping force:	45kN
Stroke:	11mm
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	4, 6, 8, 10, 16, 25, 35, 50, 70mm <sup>2</sup>
Sealing O-ring:	One Set



**YYQ-120A**

- Single stage plunger pump, simple structure, reliable performance, interchangeable dies for different size

Technical data	
Crimping range:	Cu 10-120mm <sup>2</sup>
Crimping force:	60kN
Stroke:	13mm
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	10, 16, 25, 35, 50, 70, 95, 120mm <sup>2</sup>
Sealing O-ring:	One Set



### YYQ-120

- Single stage plunger pump, simple structure, reliable performance, interchangeable dies for different size

Technical data	
Crimping range:	Cu10-120mm <sup>2</sup>
Crimping force:	60kN
Stroke:	13mm
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	10,16,25,35,50,70,95,120mm <sup>2</sup>
Sealing O-ring:	One Set



### YQK-240

- Single stage plunger pump, simple structure, reliable performance, interchangeable dies for different size

Technical data	
Crimping range:	Cu16-240mm <sup>2</sup>
Crimping force:	70kN
Stroke:	18mm
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	16,25,35,50,70,95,120m,150m,185,240mm <sup>2</sup>
Sealing O-ring:	One Set



### KYQ-300C

SAFETY SYSTEM INSIDE

- With safety valve inside
- With interchangeable dies for different size
- The tool clicks when the pressure reaches its limit
- The head can rotate 180°

Technical data	
Crimping range:	Cu 16-300mm <sup>2</sup>
Crimping force:	100kN
Stroke:	18mm
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	16,25,35,50,70,95,120,150,185,240,300mm <sup>2</sup>
Sealing O-ring:	One Set



### KYQ-400

SAFETY SYSTEM INSIDE

- With safety valve inside
- With interchangeable dies for different size
- The tool clicks when the pressure reaches its limit
- The head can rotate 180°

Technical data	
Crimping range:	50-400mm <sup>2</sup>
Crimping force:	105kN
Stroke:	32mm
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	50,70,95,120,150,185,240,300,400mm <sup>2</sup>
Sealing O-ring:	One Set



### YQK-300

- Single stage plunger pump, simple structure, reliable performance, interchangeable dies for different size

Technical data	
Crimping range:	Cu 10-300mm <sup>2</sup>
Crimping force:	70kN
Stroke:	18mm
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	10,16,25,35,50,70,95,120,150,185,240,300mm <sup>2</sup>
Sealing O-ring:	One Set



### KYQ-300

SAFETY SYSTEM INSIDE

- With safety valve inside
- With interchangeable dies for different size
- The tool clicks when the pressure reaches its limit
- The head can rotate 180°

Technical data	
Crimping range:	Cu 16-300mm <sup>2</sup>
Crimping force:	100kN
Stroke:	21mm
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	16,25,35,50,70,95,120,150,185,240,300mm <sup>2</sup>
Sealing O-ring:	One Set



### FHT-400U

- U Type of split crimping head, with interchangeable dies
- Suitable for transmission and distribution of indoor and outdoor projects
- The tool work for different kind of connecting and building over head cable

Technical data	
Crimping range:	Cu16-400mm <sup>2</sup>
Crimping force:	120kN
Working pressure:	70Mpa
Stroke:	20mm
Accessories:	
Crimping dies:	16,25,35,50,70,95,120,150,185,240,300,400mm <sup>2</sup>
Sealing O-ring:	One Set
Note: It Can Match Hand Pump	



### FHT-300

- U Type of split crimping head, with interchangeable dies
- Suitable for transmission and distribution of indoor and outdoor projects
- The tool work for different kind of connecting and building over head cable

Technical data	
Crimping range:	16-300mm <sup>2</sup>
Crimping force:	60kN
Stroke:	17mm
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	16,25,35,50,70,95,120,150,185,240,300mm <sup>2</sup>
Sealing O-ring:	One Set
Note: It Can Match Hand Pump	



### FHT-60UNV

- Universal head with quick coupling, rotates 360° flip top style
- For connecting to hydraulic drive units with 70 Mpa operating pressure for the best possible crimping, cutting and punching results

Technical data	
Crimping range:	16-300mm <sup>2</sup>
Cutting range:	φ40mm for Cu/Al cable and armoured Cu/Al cable.
Punching range:	φ22.5-61.5mm in the 3.5mm mild steel
Crimping force:	60kN
Stroke:	42mm
Accessories:	
Crimping dies:	16,25,35,50,70,95,120,150,185,240,300mm <sup>2</sup>
Punches&dies[TypeD]:	22.5,28.3,34.6,43.2,49.6,61.5mm
Sealing O-ring:	One Set



**SHP-430H**

- Split crimping head with interchangeable dies
- Suitable for transmission and distribution of indoor and outdoor projects
- The tool work for different kind of connecting and building over head cable

Technical data	
Crimping range:	50-400mm <sup>2</sup>
Crimping force:	116kN
Stroke:	30mm
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	50,70,95,120,150,185,240,300,400mm <sup>2</sup>
Sealing O-ring:	One Set
Note: It Can Match Hand Pump	



**SHP-510H**

- Split crimping head with interchangeable dies
- Suitable for transmission and distribution of indoor and outdoor projects
- The tool work for different kind of connecting and building over head cable

Technical data	
Crimping range:	50-400mm <sup>2</sup>
Crimping force:	126kN
Stroke:	38mm
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	50,70,95,120,150,185,240,300,400mm <sup>2</sup>
Sealing O-ring:	One Set
Note: It Can Match Hand Pump	



**CO-25**

- Light weight, easy for carry
- Wide crimping range from 16-630mm<sup>2</sup>
- With interchangeable dies

Technical data	
Output:	230kN
Crimping range:	16-630mm <sup>2</sup>
Crimping dies:	150,185,240,300,400,500,630mm <sup>2</sup>
Rated pressure:	70Mpa(700bar)
Size:	320X88X120mm
Weight:	5.3kg(without die set)
Note:	It Can Match Hand Pump
Package:	Steel case



**CO-45**

- Light weight, easy for carry
- Wide crimping range from 120-1000mm<sup>2</sup>
- With interchangeable dies

Technical data	
Output:	450kN
Crimping range:	120-1000mm <sup>2</sup>
Crimping dies:	400,500,630,800,1000mm <sup>2</sup>
Rated pressure:	70Mpa(700bar)
Size:	264X178X114mm
Weight:	11kg(without die set)
Note:	It Can Match Hand Pump
Package:	Steel case



**CO-400B**

- Split crimping head with interchangeable dies
- Suitable for transmission and distribution of indoor and outdoor projects
- The tool work for different kind of connecting and building over head cable

Technical data	
Crimping range:	16-400mm <sup>2</sup>
Crimping force:	155kN
Stroke:	25mm
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	16,25,35,50,70,95,120,150,185,240,300,400mm <sup>2</sup>
Note: It Can Match Hand Pump	



**CO-630C**

- C Type head, easy for operation.
- Interchangeable dies, both for series JL13 and 12Ton crimping dies.
- Alloy steel forged high strength head.

Remark: The allowable temperature above reference seals, tubing and factory used hydraulic oil temperature range, and should refer to allowable temperature of the hydraulic pump as well.

Technical data	
Crimping force:	142kN
Stroke:	50mm
Rated pressure:	70MPa
Crimping range:	Cu cable:16-630mm <sup>2</sup> , Al cable:10-500mm <sup>2</sup> Steel core aluminum stranded wire (LGJ):35-240mm
Temperature:	-20°C-50°C
Weight :	7.4kg (with one die set)
Size:	400X64X110mm



**FYQ-630**

- Split crimping head with interchangeable dies
- Suitable for transmission and distribution of indoor and outdoor projects
- The tool work for different kind of connecting and building over head cable

Technical data	
Crimping range:	150-630mm <sup>2</sup>
Crimping force:	316kN
Stroke:	25mm
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	150,185,240,300,400,500,630mm <sup>2</sup>
Note: It Can Match Hand Pump	



**FYQ-630A**

- Split crimping head with interchangeable dies
- Suitable for transmission and distribution of indoor and outdoor projects
- The tool work for different kind of connecting and building over head cable

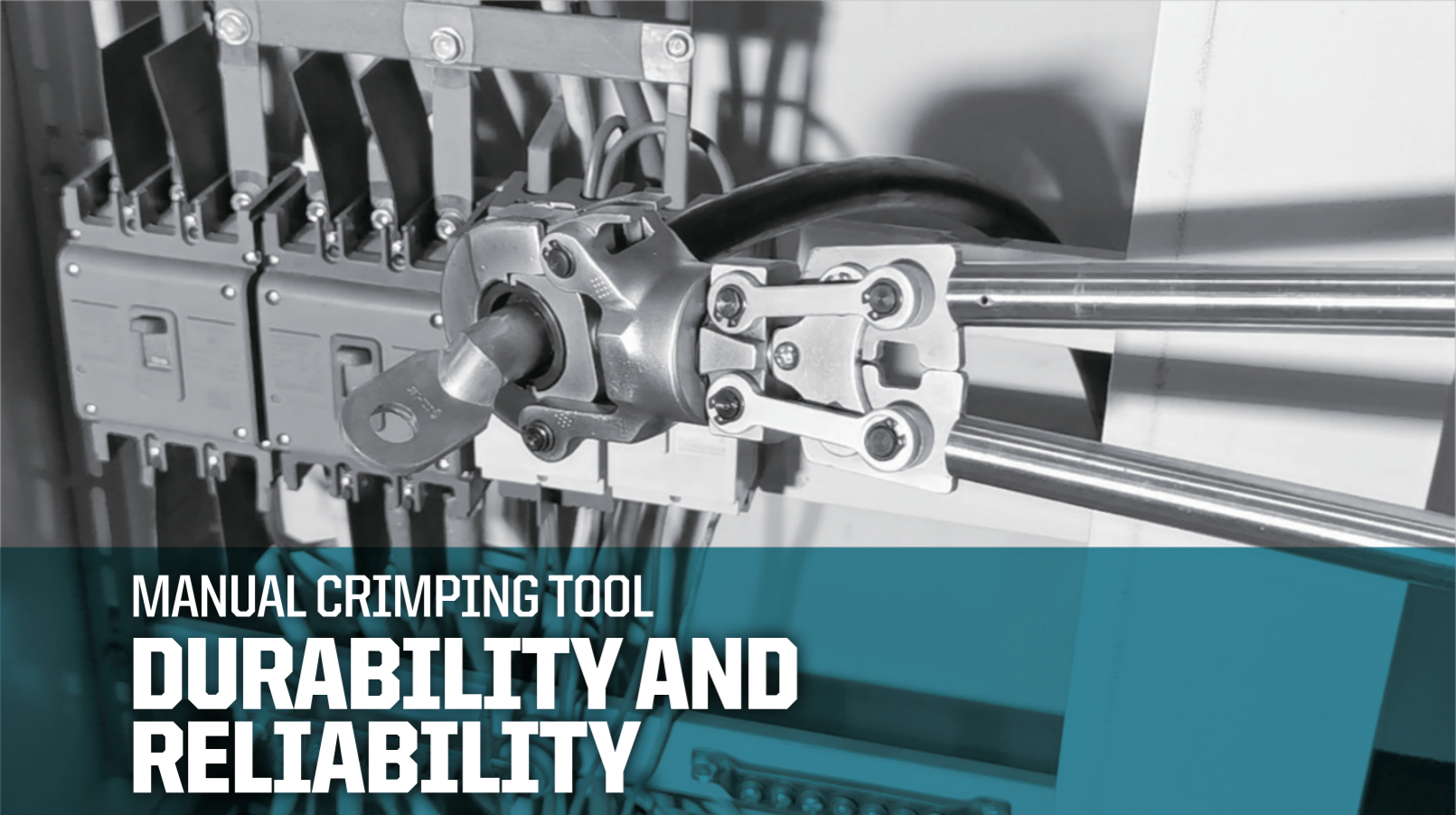
Technical data	
Crimping range:	150-630mm <sup>2</sup>
Crimping force:	316kN
Stroke:	35mm
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	150,185,240,300,400,500,630mm <sup>2</sup>
Note: It Can Match Hand Pump	



**FYQ-1000**

- Split crimping head with interchangeable dies
- Suitable for transmission and distribution of indoor and outdoor projects
- The tool work for different kind of connecting and building over head cable

Technical data	
Crimping range:	400-1000mm <sup>2</sup>
Crimping force:	495kN
Crimping force:	28mm
Stroke:	Hexagon Crimping
Crimping type:	
Accessories:	
Crimping dies:	400,500,630,800,1000mm <sup>2</sup>
Note: It Can Match Hand Pump	



# MANUAL CRIMPING TOOL DURABILITY AND RELIABILITY

THE HANDLE CAN BE ELONGATED TO USE LOWEST ENERGY  
THE WHEEL QUENCHING TREATMENT



## JT-150 With Telescopic Handles

- Manual crimping tool JT-150 is crimping lugs up to 150mm<sup>2</sup>
- The handle can be elongated to use lowest energy
- The crimping head is produced by precision casting processes

Technical data	
Crimping range:	Cu 10-150mm <sup>2</sup> Al 6-120mm <sup>2</sup>
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	10,16,25,35,50,70,95,120,150mm <sup>2</sup>

## JT-300 With Telescopic Handles

- Manual crimping tool JT-300 is crimping lugs up to 300mm<sup>2</sup>
- The handle can be elongated to use lowest energy
- The crimping head is produced by precision casting processes

Technical data	
Output:	40kN
Crimping range:	16-300mm <sup>2</sup>
Crimping type:	Hexagon Crimping
Accessories:	
Crimping dies:	16,25,35,50,70,95,120,150,185,240,300mm <sup>2</sup>



## JY-0650A

- Each tool with one set die but different in crimp size  
Rotate the die to choose crimping size

Technical data	
Crimping range:	6-50mm <sup>2</sup>
Length :	380mm
Weight:	1.5kg
Crimping type:	Hexagon Crimping



## CT-38

- With one main crimping shape-indent
- Dieless crimping head,no dies to replace

Technical data	
Crimping type:	Indent crimping
Crimping range:	10-50mm <sup>2</sup>
Length:	approx.560mm
Weight:	approx.2.3kg
Package:	Paper box



## CT-80

- With one main crimping shape-indent
- Dieless crimping head,no dies to replace

Technical data	
Crimping type:	Indent crimping
Crimping range:	10-95mm <sup>2</sup>
Length:	approx.670mm
Weight:	approx.3.6kg
Package:	Paper box



## CT-150

- With one main crimping shape-indent
- Dieless crimping head,no dies to replace

Technical data	
Crimping type:	Indent crimping
Crimping range:	16-150mm <sup>2</sup>
Length:	approx.760mm
Weight:	approx.4.80kg
Package:	Paper box



**KH-150**

- Dieless crimping head, no dies to replace.
- Each tool with one die but different crimping size.
- Adjust the top screw to choose size.

Technical data	
Crimping type:	Indent crimping
Crimping range:	10-120mm <sup>2</sup>
Length:	Approx. 620mm
Weight:	Approx. 3.3kg
Package:	Paper box



**KH-230** With Telescopic Handles

- Dieless crimping head, no dies to replace.
- Each tool with one die but different crimping size.
- Adjust the top screw to choose size.

Technical data	
Crimping type:	Indent crimping
Crimping range:	10-240mm <sup>2</sup>
Length:	Approx. 720mm
Weight:	Approx. 3.7kg
Package:	Paper box



**TM-120**

- Dieless crimping head, no dies to replace.
- Each tool with one die but different crimping size.
- Adjust the top screw to choose size.

Technical data	
Crimping type:	Indent crimping
Crimping range:	10-120mm <sup>2</sup>
Length:	570mm
Weight:	3.2kg
Package:	Paper box



**TM-150**

- Dieless crimping head, no dies to replace.
- Each tool with one die but different crimping size.
- Adjust the top screw to choose size.

Technical data	
Crimping type:	Indent crimping
Crimping range:	10-150mm <sup>2</sup>
Weight:	4.0kg
Package:	Paper box







**EXTRA WIDE APPLICATION RANGE FOR CUTTING DIFFERENT MATERIALS**

**ED-55**  
Battery Powered Cable Cutting Tool

**5~8s**  
PER CYCLE TIME



**2 YEARS**  
**20000 CYCLES**  
**ED SERIES**  
BATTERY POWERED CABLE CUTTING TOOL

**ED-55**  
Battery Powered Cable Cutting Tool (Closed head with bolt interlock)

The ED Series give another option for a fast and reliable way to cut operation. ZUPPER get the tool to cut different kind of cables, include armoured Cu/Al cable, ACSR, Cu/Al Cable, The tool comes standard with two 18V, 4.0Ah Li-ion batteries and one charger, motor drives, Micro-computer control system, OLED display and two stage hydraulic system with fast feed and power control.



**OLED display**  
(Cutting time, Electricity QTY, Maintenance reminding and fault code)

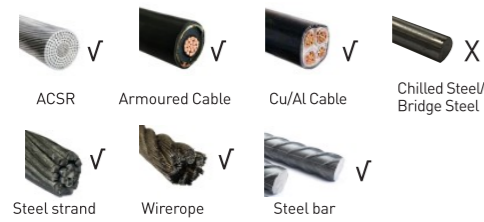


**Characteristics**

- OLED Data Display to show cutting time, Electricity Quantity, maintenance reminding and fault code.
- Air Cooling Heat dissipation System to extend using life.
- Cutting head rotates 350°
- Two stage hydraulic system with fast feed and power control
- Quick motor stop guarantees highest safety for the operator
- Automatic retraction when cut is completed
- Electronic control and monitor of Cutting operation
- Ergonomic design and optimized position of centre of gravity

**Kit includes:**

one cutting tool, two 4.0Ah Batteries, one charger and carrying case



Technical data	ED-55
Cutting force:	120kN
Stroke:	58mm
Hydraulic Oil:	Shell Tellus T15# S2V HV15
Cutting range:	≤φ55mm
Armoured cable	φ55mm
ACSR:	φ52mm
Cu/Al cable:	φ55mm
Steel strand:	φ20mm
Wire rope:	φ25mm
Size of tool:	458x354x83mm
Voltage/capacity:	DC 18V/4.0Ah
Charging time:	80 mins
Package:	Plastic box
<b>Accessories:</b>	
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set



Technical data	ED-45	ED-85	ED-105
Cutting force:	60kN	60kN	120kN
Stroke:	50mm	86mm	108mm
Cutting range:	φ45mm	φ85mm	φ105mm
Type of cable:	Cu/Al cable	Cu/Al Cable, light weight armoured Cu/Al cable(depend on cable type)	
Voltage/capacity:	18V/4.0Ah	18V/4.0Ah	18V/5.0Ah
Charging time:	80 mins	80 mins	100 mins
Charging voltage:	AC 100V~240V ;50~60Hz	AC 100V~240V ;50~60Hz	AC 100V~240V ;50~60Hz
Package:	Plastic box	Plastic box	Plastic box
	Cu/Al Cable Extra blade is optional for ACSR	Cu/Al Cable ACSR	Cu/Al Cable Steel Bar



**EFFORTLESS CUTTING  
SIMPLY, QUICKLY AND SAFELY**



**ED-120C**  
Battery Powered Cable Cutting Tool

**5~18s**  
PER CYCLE TIME



## ED-65C ED-85C ED-105C ED-120C Battery Powered Cable Cutting Tool (Opened head with bolt interlock)

The new addition ED-C series with C type of head give an option for a fast and reliable way to cut operation. ZUPPER get the tool to cut different kinds of cables, include armoured Cu/Al cable, Cu/Al Cable, the cutting head can rotate 350°, the tool comes standard with two Li-ion batteries and one charger, motor drives, Micro-computer control system, OLED Display and two stage hydraulic system with fast feed and power control. The tool can released automatically, manual retraction is allowed as well.

### PERFECT CUTTING, ULTRA FAST Extra wide application range for cutting different materials

#### Characteristics

- OLED Data Display to show cutting time, Electricity Quantity, maintenance reminding and fault code.
- Air Cooling Heat dissipation System to extend using life.
- Crimping head rotates 350°
- Two stage hydraulic system with fast feed and power control
- Quick motor stop guarantees highest safety for the operator
- Automatic retraction when crimp is completed
- Electronic control and monitor of crimping operation
- Ergonomic design and optimized position of centre of gravity

#### Kit includes:

One Cutting Tool and Two Batteries,  
One Charger and Carrying Case.



Technical data	ED-65C	ED-85C	ED-105C	ED-120C	ED-130C
Cutting force:	60kN	60kN	150kN	150kN	180kN
Stroke:	50mm	50mm	70mm	70mm	73mm
Cutting range:	φ65mm	φ85mm	φ105mm	φ120mm	φ130mm
Type of cable:	Cu/Al Cable		Cu/Al Cable, light weight armoured Cu/Al cable(depending on cable type)		
Voltage/capacity:	18V/4.0Ah	18V/4.0Ah	18V/5.0Ah	18V/5.0Ah	18V/5.0Ah
Charging time:	80 mins	80 mins	100 mins	100 mins	100 mins
Charging voltage:	AC 100V-240V ;50-60Hz	AC 100V-240V ;50-60Hz	AC 100V-240V ;50-60Hz	AC 100V-240V ;50-60Hz	AC 100V-240V ;50-60Hz
Package:	Plastic box	Plastic box	Plastic box	Plastic box	Plastic box
Tool Size :	500×368×86mm	515×386×86mm	618×102×402mm	645×102×424mm	668×106×426mm
RSW function: (retract stop for multiple cuts)	×	×	×	√	√
	√ Cu/Al Cable	√ Light Weight Armoured Cable	× ACSR	× Steel Bar	

## BLM-26C Battery Powered Cable Cutting Tool

Optimal carbide blade suit for cutting variety of hard materials

Technical data	BLM-26C
Rated pressure:	50kN
Stroke:	26mm
Cutting range:	φ26mm 1. ACSR≤φ26mm 2. Wire rope≤φ14mm 3. Steel strands≤φ11mm 4. Steel bar≤φ10mm 5. Cu/Al cable and Armoured cable≤φ26mm
Voltage/capacity:	18V/2.0Ah
Charging Time:	Approx.40mins
Charging Voltage:	AC100V-240V; 50-60Hz
Service Interval:	10000cycles
Weight:	3.9kgs(with battery)
Tool Size:	483×128×80mm
Accessories	
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set




## BLM-35C Battery Powered Cable Cutting Tool For cutting Cu/Al cable and ACSR


Technical data	BLM-35C
Rated pressure:	48kN
Stroke:	23mm
Cutting range:	Cu/Al cable:Solid and Stranded Cu/Al conductor ACSR
	≤240mm <sup>2</sup> ≤300/50mm <sup>2</sup>
Voltage/capacity:	18V/2.0Ah
Charging time:	40 mins
Charging voltage:	AC 100V-240V ;50-60Hz
Package:	Plastic box
Weight:	3.2kgs(with battery)
Tool Size:	470x124x80mm
Accessories	
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set





## BLM-40C Battery Powered Cable Cutting Tool Suit for cutting bigger Cu/Al cable

Technical data	BLM-40C
Cutting force:	50kN
Stroke:	26mm
Cutting range:	≤Φ40mm
	Single strand Cu cable≤300mm <sup>2</sup>
	Multistrand Cu cable≤4x70mm <sup>2</sup>
	Single strand Al cable≤500mm <sup>2</sup>
	Multistrand Al cable≤4x95mm <sup>2</sup>
Package:	Plastic box
Weight:	3.3kgs(with battery)
Tool Size:	455x128x80mm
Accessories	
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve	1set

 ✓

 ✓

 ✗


 ✓


Note: Do not cut high-hardness cables/wires, steel strands, grounding rods, etc.





## BLM-50C Battery Powered Cable Cutting Tool Suit for cutting bigger Cu/Al cable

Technical data	BLM-50C
Cutting force:	60kN
Stroke:	26mm
Cutting range:	≤Φ50mm
	Max. single-core Cu cable 400 mm <sup>2</sup>
	Max. multi-core Cu cable 4x95 mm <sup>2</sup>
	Max. single-core Al cable 500 mm <sup>2</sup>
	Max. multi-core Al cable 4x95 mm <sup>2</sup>
Package:	Plastic box
Weight:	3.6kgs(with battery)
Tool Size:	508x133x80mm
Accessories	
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve	1set

 ✓

 ✓

 ✗

 ✓

Note: Do not cut high-hardness cables/wires, steel strands, grounding rods, etc.



## BLM-20 Battery Powered Cable Cutting Tool

For cutting ACSR, Steel rope, Armored cable, Rebar, Cu/Al cable, steel wire

Technical data	BLM-20
Rated pressure:	50kN
Stroke:	26mm
Cutting range:	Steel rope: φ20mm
	Cu/Al cable: φ20mm
	Armored cable: φ20mm
	ACSR: φ21mm
	Steel strand: φ15mm
Voltage/capacity:	18V/2.0Ah
Charging time:	40 mins
Charging voltage:	AC 100V-240V ;50-60Hz
Package:	Plastic box
Weight:	3.3kgs(with battery)
Tool Size:	403x122x80mm
Accessories	
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve	1set



## BLM-10 Battery Powered Bolt Container Seal Cutter

Widely cut for container sealing lock or soft materials with diameter less than 10mm (e.g. Q235 steel bar, copper bar, aluminum bar)

Not suit for cutting Material of high strength and hardness, such as Hardened steel, bolts and so on.

Technical data	BLM-10
Rated pressure:	19kN
Stroke:	30mm
Cutting range:	≤φ12mm(metal pin φ10mm )
Voltage/capacity:	18V/2.0Ah
Charging time:	40 mins
Charging voltage:	AC 100V-240V ;50-60Hz
Package:	Plastic box
Weight:	2.1kgs(with battery)
Tool Size:	409x120x80mm
Accessories	
Cutting head:	1pc
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve	1set



## SL-26C Battery Powered Cable Cutting Tool

Optimal carbide blade suit for cutting variety of hard materials

Technical data		SL-26C
Rated pressure:		50kN
Stroke:		26mm
Cutting range:		φ26mm
		1. ACSR≤φ26mm
		2. Wire rope≤φ14mm
		3. Steel strand≤φ11mm
		4. Steel bar≤φ10mm
	5. Cu/Al cable and Armoured cable≤φ26mm	
Voltage/capacity:		18V/2.0Ah
Charging Time:		Approx.40mins
Charging Voltage:		AC100V-240V; 50-60Hz
Service Interval:		10000cycles
Weight:		3.9kgs(with battery)
Tool Size:		483×128×76mm
<b>Accessories</b>		
Battery:		2pcs
Charger:		1pc
Sealing ring of cylinder:		1set
Sealing ring of safety valve:		1set



## SL-35C Battery Powered Cable Cutting Tool


For cutting Cu/Al cable and ACSR

Technical data		SL-35C
Rated pressure:		48kN
Stroke:		23mm
Cutting range:	Cu/Al cable: Solid and Stranded Cu/Al conductor	≤240mm <sup>2</sup>
	ACSR	≤300/50mm <sup>2</sup>
Voltage/capacity:		18V/2.0Ah
Charging time:		40 mins
Charging voltage:		AC 100V-240V ;50-60Hz
Package:		Plastic box
Weight:		3.2kgs(with battery)
Tool Size:		472×124×76mm
<b>Accessories</b>		
Battery:		2pcs
Charger:		1pc
Sealing ring of cylinder:		1set
Sealing ring of safety valve		1set



## SL-40C Battery Powered Cable Cutting Tool

Suit for cutting bigger Cu/Al cable

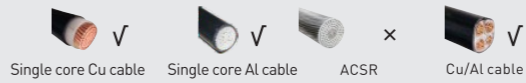
Technical data		SL-40C
Cutting force:		50kN
Stroke:		26mm
Cutting range:		≤Φ40mm
		Single strand Cu cable≤300mm <sup>2</sup>
		Multistrand Cu cable≤4x70mm <sup>2</sup>
		Single strand Al cable≤500mm <sup>2</sup>
		Multistrand Al cable≤4x95mm <sup>2</sup>
Package:		Plastic box
Weight:		3.3kgs(with battery)
Tool Size:		488×130×76mm
<b>Accessories</b>		
Battery:		2pcs
Charger:		1pc
Sealing ring of cylinder:		1set
Sealing ring of safety valve		1set
		

Note: Do not cut high-hardness cables/wires, steel strands, grounding rods, etc.



## SL-50C Battery Powered Cable Cutting Tool

Suit for cutting bigger Cu/Al cable

Technical data		SL-50C
Cutting force:		60kN
Stroke:		26mm
Cutting range:		≤Φ50mm
		Max. single-core Cu cable 400 mm <sup>2</sup>
		Max. multi-core Cu cable 4x95 mm <sup>2</sup>
		Max. single-core Al cable 500 mm <sup>2</sup>
		Max. multi-core Al cable 4x95 mm <sup>2</sup>
Package:		Plastic box
Weight:		3.6kgs(with battery)
Tool Size:		506×139×76mm
<b>Accessories</b>		
Battery:		2pcs
Charger:		1pc
Sealing ring of cylinder:		1set
Sealing ring of safety valve		1set
		

Note: Do not cut high-hardness cables/wires, steel strands, grounding rods, etc.



## SL-20 Battery Powered Cable Cutting Tool

For cutting ACSR, Steel rope, Armored cable, Rebar, Cu/Al cable, steel wire

Technical data		SL-20
Rated pressure:		50kN
Stroke:		26mm
Cutting range:		Steel rope: $\phi$ 20mm
		Cu/Al cable: $\phi$ 20mm
		Armored cable: $\phi$ 20mm
		ACSR: $\phi$ 21mm
		Steel strand: $\phi$ 15mm
Voltage/capacity:		18V/2.0Ah
Charging time:		40 mins
Charging voltage:		AC 100V~240V ;50~60Hz
Package:		Plastic box
Weight:		3.3kgs(with battery)
Tool Size:		404x122x76mm
Accessories		
Battery:		2pcs
Charger:		1pc
Sealing ring of cylinder:		1set
Sealing ring of safety valve		1set



## SL-10 Battery Powered Bolt Container Seal Cutter

Widely cut for container sealing lock or soft materials with diameter less than 10mm (e.g. Q235 steel bar, copper bar, aluminum bar)

Not suit for cutting Material of high strength and hardness, such as Hardened steel, bolts and so on.

Technical data		SL-10
Rated pressure:		19kN
Stroke:		30mm
Cutting range:		$\leq \phi$ 12mm(metal pin $\phi$ 10mm )
Voltage/capacity:		18V/2.0Ah
Charging time:		40 mins
Charging voltage:		AC 100V~240V ;50~60Hz
Package:		Plastic box
Weight:		2.1kgs(with battery)
Tool Size:		409x119x76mm
Accessories		
Cutting head:		1pc
Battery:		2pcs
Charger:		1pc
Sealing ring of cylinder:		1set
Sealing ring of safety valve		1set



## PZ-26C Battery Powered Cable Cutting Tool

- Optimal carbide blade suit for cutting variety of hard materials.
- OLED display show Working cycles, Maintenance note, Battery percentage, Fault code ect.
- Automatic retraction when operation is complete, manual retraction if need.
- High performance 18V Li-ion battery, more than 180cuts per charge.
- Ergonomic and portable design, suit for one hand operation.
- Cutting head rotates 180°
- The general utilization and standardization production for core parts makes quality more guaranteed



Steel bar $\leq\phi$ 10mm

ACSR $\leq\phi$ 26mm

Steel strands $\leq\phi$ 11mm



Cu/Al cable $\leq\phi$ 26mm

Armoured cable $\leq\phi$ 26mm

Wire rope $\leq\phi$ 14mm

**4~9s**  
PER CYCLE TIME

Technical data	PZ-26C
Rated pressure:	50kN
Stroke:	26mm
Cutting range:	$\phi$ 26mm
	1. ACSR $\leq\phi$ 26mm
	2. Wire rope $\leq\phi$ 14mm
	3. Steel strand $\leq\phi$ 11mm
	4. Steel bar $\leq\phi$ 10mm
	5. Cu/Al cable and Armoured cable $\leq\phi$ 26mm
Voltage/capacity:	18V/2.0Ah
Charging Time:	Approx.40mins
Charging Voltage:	AC100V-240V; 50-60Hz
Weight:	4.5kgs(with battery)
Cutting Cycle Time:	Approx.9s(26mm ACSR)
Service Interval:	10000cycles
Tool Size:	491x118x75mm
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set



## PZ-40C Battery Powered Cable Cutting Tool

The ZUPPER PZ series with small size and low weight can generate high power and performance, it is the newest addition to the mini cutting tool with in-line grip, 4-9s cut cycle time. Our compact "mini" is just perfect for confined areas.

### Effortlessly cut up to MAX. DIA. 40mm Cu/Al Cable

#### CIRCUIT BOARD DIAGNOSTICS

Alert you when the battery is low or the tool is too hot or cold

#### OLED DISPLAY

- Easy reading on
- Battery Percentage
- Cutting Times
- Fault Code
- Maintenance Note

#### 180° SWIVELLING BARREL

Easy access to connections

#### TWO STAGE HYDRAULIC SYSTEM

Hydraulic Ram Output provides more force for reliable connection

#### ERGONOMIC DESIGN

With light weight and in-line grip, easily work overhead and in tight spaces.



All tools can be controlled by one trigger

Manual retraction to return the piston in case of an incorrect cut

Technical data	PZ-40C
Cutting force:	30kN
Stroke:	25mm
Cutting range:	$\phi$ 40mm Cu/Al cable(Non-fine strand and extra-fine strand)
Voltage/capacity:	AC 18V/2.0Ah
Charging time:	40 mins
Charging voltage:	AC 100V-240V ;50-60Hz
Package:	Plastic box
Weight:	3.1kgs(with battery)
Size:	468x133x75mm
Working temperature:	-10~40°C
Accessories	
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set



High performance 18V Li-ion Battery

OLED display  
(Cutting time, Electricity QTY, Maintenance reminding and fault code)

## PZ-35C Battery Powered Cable Cutting Tool

For cutting Cu/Al cable and ACSR  
COMPACT MEASURES  
HUGE POWER

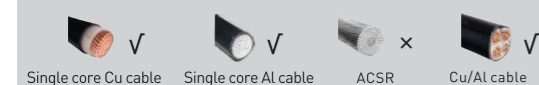
Technical data		PZ-35C
Rated pressure:		48kN
Stroke:		23mm
Cutting range:	Cu/Al cable: Solid and Stranded Cu/Al conductor	≤240mm <sup>2</sup>
	ACSR	≤300/50mm <sup>2</sup>
Voltage/capacity:		18V/2.0Ah
Charging time:		40 mins
Charging voltage:		AC 100V-240V ;50-60Hz
Package:		Plastic box
Weight:		3.7kgs(with battery)
Size:		363x120x75mm
Accessories		
Battery:		2pcs
Charger:		1pc
Sealing ring of cylinder:		1set
Sealing ring of safety valve		1set



## PZ-32C/32CX Battery Powered Cable Cutting Tool

For cutting Cu/Al Cable up to 32mm dia.  
For cutting fine and superfine stranded Cu/Al cables up to 32mm dia.

Technical data		PZ-32C	PZ-32CX
Rated pressure:		20kN	20kN
Stroke:		29mm	29mm
Cutting range:	Single core Cu cable	≤φ23mm	≤φ23mm
	Four core Cu Cable	≤φ23mm	≤φ23mm
	Single core Al cable	≤φ25mm	≤φ25mm
	Single core armoured Cu cable	≤φ32mm	≤φ32mm
	Thin Cu cable		≤φ32mm
Oil capacity:		60ml	
Voltage/capacity:		18V/2.0Ah	
Charging time:		40 mins	
Charging voltage:		AC 100V-240V ;50-60Hz	
Package:		Plastic box	
Weight(with battery):		3.1kgs	3.1kgs
Size:		438x164x75mm	
Accessories			
Battery:		2pcs	
Charger:		1pc	
Sealing ring of cylinder:		1set	
Sealing ring of safety valve		1set	



## PZ-10 Battery Powered Bolt Container Seal Cutter

widely cut for container sealing lock or soft materials with diameter less than 10mm  
(e.g. Q235 steel bar, copper bar, aluminum bar)  
· replaceable cutting head, one-hand easy operation  
· Special toothed tool head, Not easy to break off or fly out after cut, safety operation  
· Narrow design on the head is just perfect for the container confined areas.

· Not suit for cutting Material of high strength and hardness, such as Hardened steel, bolts and so on.

Technical data		PZ-10
Rated pressure:		19kN
Stroke:		30mm
Cutting range:		≤φ12mm(metal pin φ10mm )
Voltage/capacity:		18V/2.0Ah
Charging time:		40 mins
Charging voltage:		AC 100V-240V ;50-60Hz
Package:		Plastic box
Weight.incl.battery:		3.5kgs(with battery)
Size of tool:		363x119x75mm

Accessories	
Cutting head:	1pc
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve	1set



## PZ-20 Battery Powered Cable Cutting Tool

For cutting ACSR, Steel rope, Armored cable, Rebar, Cu/Al cable, steel wire  
High-performance cutting characteristics for highly-flexible conductors and wire cables  
SMALL MEASUREMENT, HUGE POWER

Technical data		PZ-20
Rated pressure:		50kN
Stroke:		26mm
Cutting range:	Steel rope: φ20mm	
	Cu/Al cable: φ20mm	
	Armored cable: φ20mm	
	ACSR: φ21mm	
	Steel strand: φ15mm	
Voltage/capacity:		18V/2.0Ah
Charging time:		40 mins
Charging voltage:		AC 100V-240V ;50-60Hz
Package:		Plastic box
Weight.incl.battery:		3.1kgs(with battery)
Size of tool:		119x408x75mm

Accessories	
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve	1set







# NEW TECHNOLOGY OF EB SERIES BRUSHLESS MOTOR

No carbon brush, durability and reliability

**2 YEARS**  
**20000 CYCLES**  
**EB SERIES**  
BATTERY POWERED CABLE CUTTER

**5~18s**  
PER CYCLE TIME



Download on the App Store



GET IT ON Google Play

1. Download the ZUPPER Link APP from Apple Store or Google Play
2. Open the APP and sign in using your credentials or create a new account
3. Follow on-screen instructions to register your tool



## EB-105 Battery powered brushless hydraulic cutting tool

To be standard constituent in hydraulic tool field, ZUPPER develop the new technology of brushless motor □ no carbon brush, maintenance-free and motor overload protection. 30% Longer motor life and the brushless motor will do more work in the same full charge of the battery pack, 30% more run-time than the brush motor. Micro computer control system with the feature of self-pressure inspecting, with high-performance 18V battery, 110 Cuts per charge, This tool combines powerful output with an ergonomic design, it delivers reliability and efficiency on every job.

### No carbon brush, Durability and reliability

- 5-18S to finish one cycle
- Automatic retraction when press is completed
- Two stage hydraulic system
- An ergonomic design and optimized position of center of gravity to provide increased feel and usability
- Micro computer control system



### BLUETOOTH AND PRESSURE SENSOR

Thanks to new implemented Bluetooth technology, device-related data can be requested via the ZUPPER APP. The ZUPPER EB Series include BLUETOOTH as basic configuration, you can choose pressure sensor at optional.

### ZUPPER Check-APP

- Data transfer between cutting tool and APP
- See the location of where your ZUPPER Link enabled tool was last seen.
- Check the pressure by pressure sensor to differentiate the pressure normal or not.
- APP shows the pressure data counter to check and analyze the pressure easily.



Technical data	EB-45	EB-85	EB-105
Output force:	60kN	60kN	120kN
Stroke:	50mm	86mm	108mm
Cutting Range:	φ45mm(Cu/Al cable and Cu/Al armored cable)	φ85mm(Cu/Al cable and Cu/Al armored cable)	φ105mm(Cu/Al cable and Cu/Al armored cable)
Voltage/capacity:	18V/ 4.0 Ah	18V/ 4.0 Ah	18V/ 5.0Ah
Charging time:	80 mins	80 mins	100 mins
Ambient temperature:	-10°C~40°C	-10°C~40°C	-10°C~40°C
Accessories			
Blade:	1pc	1pc	1pc
Battery:	2pcs	2pcs	2pcs
Charger:	1pc	1pc	1pc
Sealing ring of cylinder:	1set	1set	1set
Sealing ring of safety valve:	1set	1set	1set
	✓	×	✓
			×

**BL  
MOTOR**



Technical data	EB-65C	EB-85C	EB-105C	EB-120C
Output force:	60kN	60kN	150kN	150kN
Stroke:	50mm	50mm	70mm	70mm
Cu/Al cable:	φ65mm	φ85mm	φ105mm	φ120mm
Armoured Cable			φ105mm	φ120mm
Voltage/capacity:	18V/ 4.0Ah	18V/ 4.0 Ah	18V/ 5.0Ah	18V/ 5.0 Ah
Charging time:	80 mins	80 mins	100 mins	100 mins
Ambient temperature:	-10°C~40°C	-10°C~40°C	-10°C~40°C	-10°C~40°C
RSW function: (retract stop for multiple cuts)	×	×	✓	✓
<b>Accessories</b>				
Battery:	2pcs	2pcs	2pcs	2pcs
Charger:	1pc	1pc	1pc	1pc
Sealing ring of cylinder:	1set	1set	1set	1set
Sealing ring of safety valve:	1set	1set	1set	1set

 ✓  
Cu/Al Cable

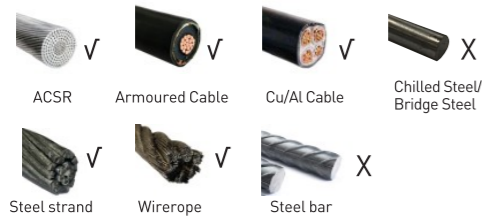
 ×  
ACSR

 ✓  
Armoured Cable

 ×  
Steel bar



**BL  
MOTOR**



Technical data	EB-55
Cutting force:	120kN
Stroke:	58mm
Hydraulic Oil:	Shell Tellus T15# S2V HV15
Cutting range:	≤φ55mm
Armoured cable	φ55mm
ACSR:	φ52mm
Cu/Al cable:	φ55mm
Steel strand:	φ20mm
Wire rope:	φ25mm
Size of tool:	458x354x83mm
Voltage/capacity:	DC 18V/4.0Ah
Charging time:	80 mins
Package:	Plastic box
<b>Accessories:</b>	
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set



**FOR MULTIPLE CUTS,  
HIGH EFFICIENCY**

**RSW**  
RETRACTION STOP



**BZ-120C**  
Battery powered  
Cable cutting tool

**5~18s**  
PER CYCLE TIME

**2**  
YEARS  
**20000**  
CYCLES  
**BZ SERIES**  
BATTERY POWERED  
CABLE CUTTER

## BZ-45 BZ-85 BZ-105 Battery Powered Cutting Tool

BZ series cutting tool get with the system of RETRACTION STOP-RSW function, the tool can continue multiple operate with high efficiency.

# RSW RETRACTION STOP


- With RSW function, retraction stop for multiple cuts to improve the efficiency
- Only 2.5-4S to finish one cycle cut
- LED light lasting 20S for low or no-light environment
- Actuated by motor and controlled by MCU, with two stage hydraulic system
- LCD data display can show cutting times, electricity quantity and maintenance reminding information
- The tool includes two 18V, 4.0Ah Li-ion batteries and one charger



Technical data	BZ-45	BZ-85	BZ-105
Output force:	60kN	60kN	120kN
Stroke:	50mm	86mm	108mm
Oil capacity	115ml	160ml	250ml
Cutting range	φ45mm(Cu/Al cable and Cu/Al armoured cable)	φ85mm(Cu/Al cable and Cu/Al armoured cable)	φ105mm(Cu/Al cable and Cu/Al armoured cable)
Voltage/capacity:	18V/4.0Ah	18V/4.0Ah	18V/5.0Ah
Charging time:	80 mins	80 mins	100 mins
Charging voltage:	AC 100V-240V ;50-60Hz	AC 100V-240V ;50-60Hz	AC 100V-240V ;50-60Hz
Package	Plastic box	Plastic box	Plastic box
Weight	6.1kgs(with battery)	7.55kgs(with battery)	10kgs(with battery)
<b>Accessories</b>			
Battery:	2pcs	2pcs	2pcs
Charger:	1pc	1pc	1pc
Sealing ring of cylinder:	1set	1set	1set
Sealing ring of safety valve:	1set	1set	1set

 ✓  
Cu/Al Cable

 ✗  
ACSR

 ✓  
Armoured Cable


 ✗  
Steel bar



Technical data	BZ-65C	BZ-85C	BZ-105C	BZ-120C
Output force:	60kN	60kN	150kN	150kN
Stroke:	50mm	50mm	70mm	70mm
Cutting range	φ65mm (Cu/Al cable )	φ85mm (Cu/Al cable )	φ105mm (Cu/Al cable and Cu/Al armoured cable)	φ120mm (Cu/Al cable and Cu/Al armoured cable)
Voltage/capacity:	18V/4.0Ah	18V/4.0Ah	18V/5.0Ah	18V/5.0Ah
Charging time:	80 mins	80 mins	100 mins	100 mins
<b>Accessories</b>				
Battery:	2pcs	2pcs	2pcs	2pcs
Charger:	1pc	1pc	1pc	1pc
Sealing ring of cylinder:	1set	1set	1set	1set
Sealing ring of safety valve:	1set	1set	1set	1set

 ✓  
Cu/Al Cable

 ✗  
ACSR

 ✓  
Armoured Cable

 ✗  
Steel bar



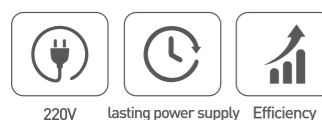
Technical data	BZ-55
Cutting force:	120kN
Stroke:	58mm
Hydraulic Oil:	Shell Tellus T15# S2V HV15
Cutting range:	≤φ55mm
Armoured cable	φ55mm
ACSR:	φ52mm
Cu/Al cable:	φ55mm
Steel strand:	φ20mm
Wire rope:	φ25mm
Size of tool:	452x404x85mm
Voltage/capacity:	DC 18V/4.0Ah
Charging time:	80 mins
Package:	Plastic box
<b>Accessories:</b>	
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set



**520W HIGH POWER**  
220V lasting power supply,  
Reliable and Stable



**HH-105**  
Electric Powered Cable Cutting Tool



220V lasting power supply Efficiency



**5~18s**  
PER CYCLE TIME

**HH-45 HH-85 HH-105**  
Electric Powered Cable Cutting Tool

HH series are full consideration for the cost performance of users, the tool comes standard with 220V input voltage directly, 520W rated power, two stage hydraulic system, save the cost of the batteries with AC series motor, it is perfect experience at a reasonable cost.

- Cutting head rotates 350°
- D type of cutting head, armoured cable has better applicability
- Two stage hydraulic system, AC series motor with high efficiency
- OLED Data Display show cutting time, maintenance reminding and fault code



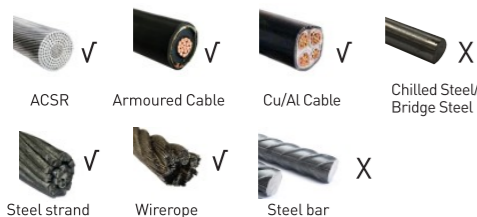
Technical data	HH-45	HH-85	HH-105
Output force:	60kN	60kN	120kN
Stroke:	46mm	89mm	108mm
Max cutting diameter:	φ45mm	φ85mm	φ105mm
Suitable cable:	(Cu/Al cable and Cu/Al armoured cable)		
Working temperature:	-10°C-50°C		
Voltage/capacity:	AC 220V 50/60Hz (Optional AC 110V 50/60Hz)		
Rated output	520W		
Weight:		7.5kgs	10.3kgs
Accessories			
Cylinder Sealing ring	1set	1set	1set
Safety valve Sealing ring	1set	1set	1set
	✓	×	✓  ×
	Cu/Al Cable	ACSR	Armoured Cable Steel bar



Technical data	HH-65C	HH-85C	HH-105C	HH-120C
Output force:	60kN	60kN	150kN	150kN
Stroke:	50mm	50mm	71mm	71mm
Max cutting diameter:	φ65mm Cu/Al cable	φ85mm Cu/Al cable	φ105mm Cu/Al cable and armoured cable	φ120mm Cu/Al cable and armoured cable
Working temperature:	-10°C-50°C			
Voltage/capacity:	AC 220V 50/60Hz [Optional AC 110V 50/60Hz]			
Rated output	520W			
Weight:	6.5kgs	6.8kgs		
<b>Accessories</b>				
Cylinder Sealing ring	1set	1set	1set	1set
Safety valve Sealing ring	1set	1set	1set	1set
	✓	×	✓	×



Technical data	HH-55
Output force:	120kN
Stroke:	58mm
Hydraulic oil	Shell Tellus T15
Cutting range:	≤φ55mm
Armoured Cable	≤φ55mm
ACSR	≤φ52mm
Cu/Al cable	≤φ55mm
Steel strand	≤φ20mm
Wire rope	≤φ25mm
Package:	Plastic box
Size:	425x360x83mm
<b>Accessories</b>	
Cylinder Sealing ring	1set
Safety valve Sealing ring	1set



## HZ-85 Manual Hydraulic Cable Cutting Tool Easy To Operate, Safety and Reliability

The tool features a double speed action: a fast advancing speed for rapid approach of the blades to the connector and a slower more powerful speed for crimping. Automatically pressure release and manual retract function, to ensure safe and reliable working. Light body with high tensile aluminum alloy handiness





**HZ-45**

- Flip top cutting head rotates 350°.
- Two stage hydraulic to reduce cutting cycle, automatically release pressure when cut is completed.
- Manual release in case of if needed.

Technical data	
Cutting range:	φ45mm Cu/Al cable and Armoured Cu/Al cable.
Cutting force:	60kN
Stroke:	50mm
Length:	560mm
Weight:	4.8kg
Note: If change knife can cut φ38 ACSR/φ28 steel wire	



**HZ-55**

- suit for cutting ACSR, Armored cable, Cu/Al cable, Steel strand and so on. Two stage hydraulic system with fast feed and power stroke

Technical data	
Cutting force:	120kN
Stroke:	58mm
Cutting range:	≤φ55mm
Armored cable:	≤φ55mm
ACSR:	≤φ52mm
Cu/Al cable:	≤φ55mm
Wire rope:	≤φ25mm
Length:	582mm



**HZ-85**

- Flip top cutting head rotates 350°.
- Two stage hydraulic to reduce cutting cycle, automatically release pressure when cut is completed.
- Manual release in case of if needed.

Technical data	
Cutting range:	φ85mm Cu/Al cable and Armoured Cu/Al cable.
Cutting force:	60kN
Stroke:	86mm
Length:	680mm
Weight:	7.6kg



**CPC-85B**

- Flip top cutting head, easy for operation, more convenient
- The blade guide block design effectively prevents blade dislocation during cutting procession can be matched with any pump

Technical data	
Cutting force:	60kN
Cutting range:	Telephone cable:φ85mm Armoured Cu/Al cable:φ50mm
Length:	465mm
Weight:	7.9kg



**CPC-65C/85C/105C/120C**

- Opening C type cutting head.
- Hydraulic quick coupler connect with the pump for working.
- Guide pad design to avoid the blade dislocation during cutting procession.

Technical data				
Item No:	CPC-65C	CPC-85C	CPC-105C	CPC-120C
Armoured Cu/Al cable:			φ105mm	φ120mm
Cu/Al cable:	φ65mm	φ85mm	φ105mm	φ120mm
Rated output:	60kN	60kN	140kN	140kN
Rated pressure:	63Mpa	63Mpa	66MPa	66MPa
Oil capacity:	50ml	50ml	150ml	150ml
Max. pressure:	70Mpa			
Retraction mode:	Piston retraction			
Hydraulic oil:	Shell Tellus T15			
Working Temperature:	-20°C-50°C			
Cable:	Cu/Al cable, armoured Cu/Al cable			



**HZ-65C/85C/105C**

- Simple and convenient- Opening C type cutting head
- Double hydraulic stages alternately ensure the piston move fast.
- Guide pad design avoid the blade dislocation during cutting procession.

Technical data			
Item No:	HZ-65C	HZ-85C	HZ-105C
Stroke:	50mm	50mm	60mm
Cu/Al cable:	φ65mm	φ85mm	φ105mm
Armoured Cu/Al cable:			φ80mm
Rated output:	60kN	60kN	140kN
Rated pressure:	63MPa	63MPa	66MPa
Cable:	-20°C-40°C		
Working Temperature:	Cu/Al cable, armoured Cu/Al cable		



**CPC-40BL**

- Flip-top cutting head, easy for operation, more convenient
- The blade guide block design effectively prevents blade dislocation during cutting procession

Technical data	
Cutting force:	≥60kN
Cutting range:	ACSR :φ40mm Steel strand, wire rope:φ28mm
Length:	600mm
Weight:	5.6kg



**THC-20**

- Rotate head 180°
- Flip top cutting head
- Easy changeable cutting blade
- Single hydraulic plug make the function stable

Technical data	
Rated pressure:	63MPa
Max.output:	60kN
ACSR:	φ21mm
Steel rope:	φ20mm
Cu/Al cable / Armoured cable	φ20mm
Steel strand	φ15mm
Prohibit to cut chilled steel and piano wire	



**CPC-100B**

- Suggest to match with CP-390, CP-700

Technical data	
Cutting force:	60kN
Cutting range:	Telephone cable:φ100mm Armoured Cu/Al cable:φ75mm
Length:	505mm
Weight:	8.4kg



**CPC-105B**

- Suggest to match with CP-390, CP-700

Technical data	
Cutting force:	120kN
Stroke:	108mm
Cutting range:	φ105mm Cu/Al cable and armoured cable
Length:	445mm



**TC-38**

- Strong, light weight glass fiber handle
- Adjustable pivot bolt realized adjustable blade
- Changeable, forging blade heat treated and precise polish

**Technical data**

Cutting range:	
Cu cable	
Max. cutting 400mm <sup>2</sup> , normal for cutting 240mm <sup>2</sup>	
Al cable	
Max. cutting 500mm <sup>2</sup> , normal for cutting 400mm <sup>2</sup>	
Communication cable Max. cutting 11/2" (φ38mm)	
Length:	800mm
Weight:	2.8kg

Note: In order to meet the demand please provide appropriate size and standard of tube when place order.



**TC-125S/250S**

- Only cut Cu/Al Cable with telescopic handle

**Technical data**

Item No:	TC-125S	TC-250S
Cutting range:	120mm <sup>2</sup> for Cu/Al conductor	240mm <sup>2</sup> for Cu/Al conductor
Length:	300-400mm	415-565mm
Weight:	1.25kg	2.3kg

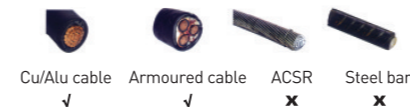


**TCR-500S**

- Using ratchet drive device with telescopic handle, only for cut Cu/Al cable

**Technical data**

Cutting range:	500mm <sup>2</sup> for Cu conductor 400mm <sup>2</sup> for Al conductor
Length:	240-290mm
Weight:	0.98kg

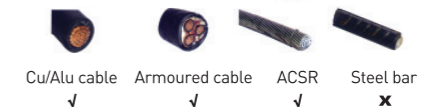
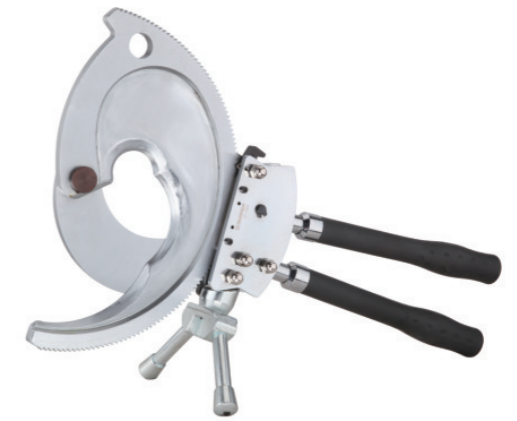


**ZC-95A**

- The knives are made by forging, long life span and easy to cut.

**Technical data**

Cutting range:	φ95mm for Cu/Al armoured cable
Weight:	6.3kgs
Length:	530-725mm
Package:	Canvas bag

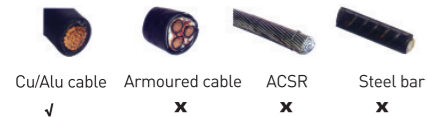


**ZC-120A**

- The knives are made by forging, long life span and easy to cut.

**Technical data**

Cutting range:	φ120mm for Cu/Al armoured cable
Weight:	7.0kgs
Length:	555-745mm
Package:	Canvas bag



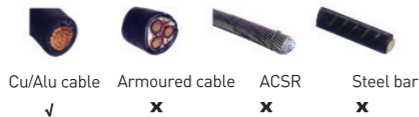
**ZC-36A/ZC-60A**

- Forged blade, long span life, easy for cutting  
Only for cutting Cu/Al cable, forbid cut steel wire, hardened copper wire

**Technical data**

Item No:	ZC-36A	ZC-60A
Cutting range:	φ36mm / 300mm <sup>2</sup>	φ60mm / 400mm <sup>2</sup>
Length:	260mm	320mm
Weight:	0.6kg	0.8kg
Package:	Blister card	Blister card

Note: Only cutting for single or multi-stranded Cu/Al cable. Do not cutting for steel wire and hard copper wire.



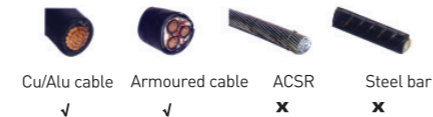
**ZC-32A/ZC-52A**

- Forged blade, long span life, easy for cutting  
Only for cutting Cu/Al cable, forbid cut steel wire, hardened copper wire

**Technical data**

Item No:	ZC-32A	ZC-52A
Cutting range:	φ32mm / 240mm <sup>2</sup>	φ48mm / 400mm <sup>2</sup>
Length:	360mm	415mm
Weight:	0.7kg	1.2kg
Package:	Blister card	Blister card

Note: Only cutting for single or multi-stranded Cu/Al cable. Do not cutting for steel wire and hard copper wire.

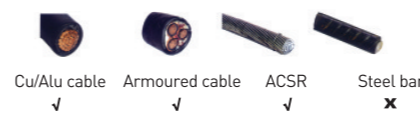


**ZC-70A**

- Forged blade, long span life, easy for cutting

**Technical data**

Cutting range:	φ70mm for Cu/Al armoured cable
Weight:	3.2kgs
Length:	380-485mm
Package:	Canvas bag

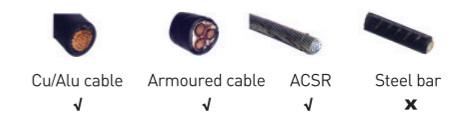


**ZC-G40**

- With Telescopic Handles

**Technical data**

Cutting range:	120mm <sup>2</sup> steel stranded wire, 800mm <sup>2</sup> ACSR, φ36mm steel core cable
Weight:	3.6kg
Length:	440-630mm
Package:	Canvas bag



**ZC-G32A**

- With Telescopic Handles

**Technical data**

Cutting range:	100mm <sup>2</sup> steel stranded wire, 600mm <sup>2</sup> ACSR, φ32mm steel core cable
Weight:	2.0kg
Length:	350mm-480mm
Package:	Canvas bag



**COMPACT DESIGN, 180° x 360°  
SWIVELLING HEAD EFFORTLESS  
PUNCH WITH 6TON OUTPUT**

## SL-6AL Battery Powered Punching Tool

Technical data	SL-6AL
Rated pressure:	60kN
Stroke:	25mm
Piston rod thread:	3/4-19 UN
Max. Round Punch Size :	61.5mm Dia. in 3.5mm mild steel 161.9mm Dia. in 2mm mild steel 61.5mm Dia. in 2mm stainless steel
Voltage/capacity:	18V/2.0Ah
Charging time:	40 mins
Charging voltage:	AC 100V-240V ;50-60Hz
Package:	Plastic box
Weight	2.4kgs(with battery)
Tool Size:	417x128x76mm
ACCESSORIES:	
Type D punch dies:	22.5mm(1/2"),28.3mm(3/4"),34.6mm(1"), 43.2mm(1-1/4"),49.6mm(1-1/2"),61.5mm(2")
7/16"x3/4" Draw Stud	1pc
3/4"x3/4" Draw Stud	1pc
Spacer	1pc
Battery:	2 pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set



## BLM-6AL Battery Powered Punching Tool

Aluminum alloy body with light weight  
180°x360°swivelling head  
Ergonomic design with high quality aviation aluminum

Technical data	BLM-6AL
Rated pressure:	60kN
Stroke:	25mm
Piston rod thread:	3/4-19 UN
Max. Round Punch Size :	61.5mm Dia. in 3.5mm mild steel 161.9mm Dia. in 2mm mild steel 61.5mm Dia. in 2mm stainless steel
Voltage/capacity:	18V/2.0Ah
Charging time:	40 mins
Charging voltage:	AC 100V-240V ;50-60Hz
Package:	Plastic box
Weight	2.4kgs(with battery)
Tool Size:	412x128x80mm
ACCESSORIES:	
DESCRIPTION	HOLE SIZE (TYPE D)
	Φ(INCH)      Φmm
1/2" Conduit Size Punch&Die	7/8"      0.885      22.50
3/4" Conduit Size Punch&Die	1.115      28.30
1" Conduit Size Punch&Die	1.362      34.60
1-1/4" Conduit Size Punch&Die	1.701      43.20
1-1/2" Conduit Size Punch&Die	1-15/16"      1.951      49.60
2" Conduit Size Punch&Die	2-3/8"      2.146      61.50
7/16"x3/4" Draw Stud	1pc
3/4"x3/4" Draw Stud	1pc
Spacer	1pc
Battery:	2 pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set



**BL  
MOTOR**

## PZ-6AL Battery Powered Punching Tool

Technical data	PZ-6AL
Rated pressure:	60kN
Stroke:	25mm
Piston rod thread:	3/4-19 UN
Max. Round Punch Size :	61.5mm Dia. in 3.5mm mild steel 161.9mm Dia. in 2mm mild steel 61.5mm Dia. in 2mm stainless steel
Voltage/capacity:	18V/2.0Ah
Charging time:	40 mins
Charging voltage:	AC 100V-240V ;50-60Hz
Package:	Plastic box
Weight:	2.6kgs
Tool Size:	452x120x75mm
ACCESSORIES:	
Type D punch dies:	22.5mm(1/2"),28.3mm(3/4"),34.6mm(1"), 43.2mm(1-1/4"),49.6mm(1-1/2"),61.5mm(2")
7/16"x3/4" Draw Stud	1pc
3/4"x3/4" Draw Stud	1pc
Spacer	1pc
Battery:	2 pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set





## ED-12 Battery powered punching tool

The new addition ED Series give another option for a fast and reliable way to punching operation. The tool comes standard with two 18V,4.0Ah Li-ion batteries and one charger, motor drives, Micro-computer control system, OLED display and double valve hydraulic system.

Technical data		
Rated pressure:	120kN	
Stroke:	27mm	
Max Round Punch size:	61.5mm dia in 3.5mm mild steel	
Time/work:	6s(61.5mm dia in 3.5mm mild steel)	
Punch/charge:	180cycles/per charge	
Voltage/capacity:	18V/4.0Ah	
Charging time:	80 mins	
Charging voltage:	AC 100V-240V ;50-60Hz	
Package:	Plastic box	
Size of tool:	352x322x78mm	
Accessories:		
DESCRIPTION	HOLE SIZE (TYPE D)	
	Φ (INCH)	Φ mm
1/2" Conduit Size Punch&Die	7/8"	0.885
3/4" Conduit Size Punch&Die		1.115
1" Conduit Size Punch&Die		1.362
1-1/4" Conduit Size Punch&Die		1.701
1-1/2" Conduit Size Punch&Die	1-15/16"	1.951
2" Conduit Size Punch&Die	2-3/8"	2.146
7/16"x3/4" Draw Stud		1pc
3/4"x3/4" Draw Stud		1pc
Spacer		1pc
Battery:		2 pcs
Charger:		1pc
Sealing ring of cylinder:		1set
Sealing ring of safety valve:		1set



## BZ-12 Battery Powered Punching Tool

Technical data		
Rated pressure:	120kN	
Stroke:	27mm	
Max Round Punch size:	61.5mm dia in 3.5mm mild steel	
Punch/charge:	180cycle/per charge	
Charging voltage:	18V/4.0Ah	
Charging time:	80 mins	
Accessories:		
DESCRIPTION	HOLE SIZE (TYPE D)	
	Φ (INCH)	Φ mm
1/2" Conduit Size Punch&Die	7/8"	0.885
3/4" Conduit Size Punch&Die		1.115
1" Conduit Size Punch&Die		1.362
1-1/4" Conduit Size Punch&Die		1.701
1-1/2" Conduit Size Punch&Die	1-15/16"	1.951
2" Conduit Size Punch&Die	2-3/8"	2.146
7/16"x3/4" Draw Stud		1pc
3/4"x3/4" Draw Stud		1pc
Spacer		1pc
Battery:		2 pcs
Charger:		1pc
Sealing ring of cylinder:		1set
Sealing ring of safety valve:		1set

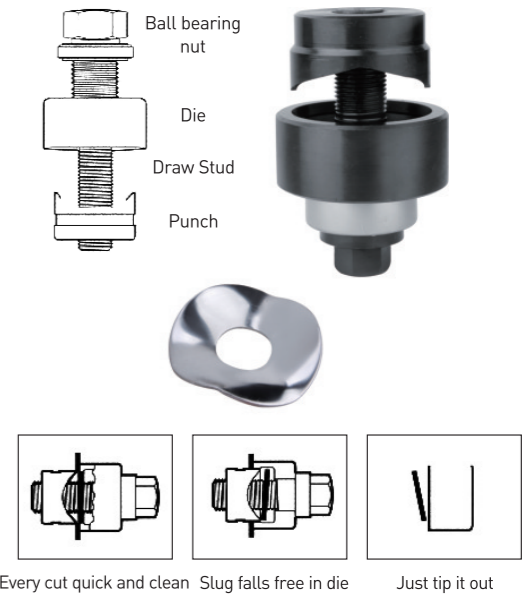


**RSW**  
RETRACTION STOP FOR MULTIPLE PUNCH

### Standard round knockout punches (Type B)

Capacity: Mild steel up through 3.5mm (10gauge)  
Application: Punch mild steel, aluminium, fiberglass and plastic.  
Operation: Battery, hydraulic, ratchet or manual drivers. When used with ratchet, hydraulic or battery drivers, buy the punch and die only; the draw stud is part of the driver kit.

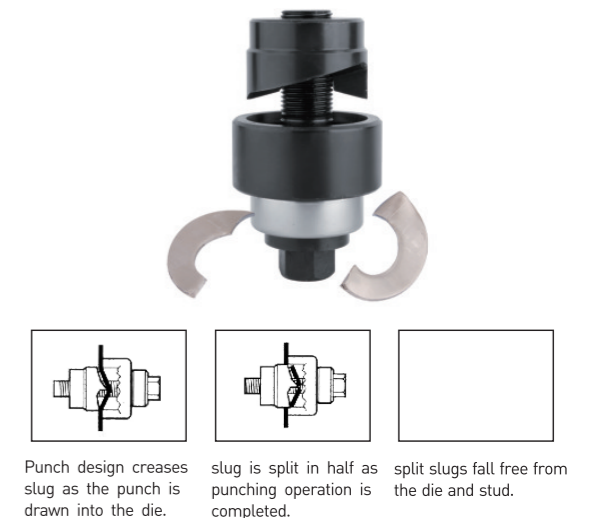
CONDUIT&PIPE SIZE	HOLE SIZE (ACTUAL)		CAPACITY			DRAW STUD WITH BEARING
	Φ (INCH)	Φ mm	mm	GA		
1/2"	7/8	0.885	22.5	3.5	10	3/8", 24UN
3/4"	-	1.115	28.3	3.5	10	3/4", 16UN
1"	-	1.362	34.6	3.5	10	3/4", 16UN
1-1/4"	-	1.701	43.2	3.5	10	3/4", 16UN
1-1/2"	1-15/16	1.951	49.6	3.5	10	3/4", 16UN
2"	2-3/8	2.416	61.5	3.5	10	3/4", 16UN
2-1/2"	2-7/8	2.914	74.0	3.5	10	3/4", 16UN
3"	3-1/2	3.539	89.9	3.5	10	3/4", 16UN
3-1/2"	4	4.044	102.7	3.5	10	3/4", 16UN
4"	4-1/2	4.544	115.4	3.5	10	3/4", 16UN
5"	5-5/8	5.675	144.1	3.5	10	3/4", 16UN
6"	6-3/8	6.375	161.9	3.5	10	3/4", 16UN



### Round knockout punches (Type C)

Capacity: Mild steel up through 3.5mm (10 gauge)  
Application: Punch mild steel, aluminum, fiberglass and plastic.  
Operation: Battery, hydraulic, ratchet or manual drivers. When used with ratchet, hydraulic or battery drivers, buy the punch and die only; the draw stud is part of the driver kit.

CONDUIT & PIPE SIZE	HOLE SIZE (ACTUAL)		CAPACITY			DRAW STUD WITH BEARING
	Φ (INCH)	Φ mm	mm	Ga		
1/2"	7/8	22.5	3.5	10	3/8", 24UN	
3/4"	-	28.3	3.5	10	3/4", 16UN	
1"	-	34.6	3.5	10	3/4", 16UN	
1-1/4"	1-11/16	43.2	3.5	10	3/4", 16UN	
1-1/2"	1-15/16	49.6	3.5	10	3/4", 16UN	
2"	2-3/8	61.5	3.5	10	3/4", 16UN	



### Round knockout punches (Type E)

the new SPEED PUNCH System  
SAVE TIME AND SAVE MONEY WITH EVERY PUNCH  
SPEED LOCK mechanism quickly secure the entire system in place, punch more holes in less time.  
"No-thread" punch design quickly and easily slides on/off draw stud  
The punch and die are precisely matched with the draw stud  
3X quicker punching with the Speed Punch System  
After opening, the surface of the hole is smooth and clean, without obvious burr

PATENT NO: CN209773209U

CONDUIT&PIPE SIZE	HOLE SIZE (ACTUAL)		CAPACITY			DRAW STUD WITH BEARING
	Φ (INCH)	Φ mm	mm	GA		
1/2"	7/8	0.885	22.5	3.5	10	3/8", 24UN
3/4"	-	1.115	28.3	3.5	10	3/4", 16UN
1"	-	1.362	34.6	3.5	10	3/4", 16UN
1-1/4"	-	1.701	43.2	3.5	10	3/4", 16UN
1-1/2"	1-15/16	1.951	49.6	3.5	10	3/4", 16UN
2"	2-3/8	2.416	61.5	3.5	10	3/4", 16UN
2-1/2"	2-7/8	2.914	74.0	3.5	10	3/4", 16UN
3"	3-1/2	3.539	89.9	3.5	10	3/4", 16UN
3-1/2"	4	4.044	102.7	3.5	10	3/4", 16UN
4"	4-1/2	4.544	115.4	3.5	10	3/4", 16UN
5"	5-5/8	5.675	144.1	3.5	10	3/4", 16UN
6"	6-3/8	6.375	161.9	3.5	10	3/4", 16UN



Type B 1/2"-1 1/4" Knockout Punch Kit Includes



DESCRIPTION	HOLE SIZE (ACTUAL)	
	Φ (INCH)	Φ mm
1/2" Conduit Size Punch&Die	7/8"	22.50
3/4" Conduit Size Punch&Die	1.115	28.30
1" Conduit Size Punch&Die	1.362	34.60
1 1/4" Conduit Size Punch&Die	1.701	43.20
3/8", 24UN Draw stud with bearing		
3/4", 16UN Draw stud with bearing		
Plastic box		

Type C 1/2"-1 1/4" Knockout Punch Kit Includes



DESCRIPTION	HOLE SIZE (ACTUAL)	
	Φ (INCH)	Φ mm
1/2" Conduit Size Punch&Die	7/8"	0.885 22.50
3/4" Conduit Size Punch&Die	1.115	28.30
1" Conduit Size Punch&Die	1.362	34.60
1 1/4" Conduit Size Punch&Die	1.701	43.20
3/8", 24UN Draw stud with bearing		
3/4", 16UN Draw stud with bearing		
Plastic box		

Type B 1 1/2"-2" Knockout Punch Kit Includes



DESCRIPTION	HOLE SIZE (ACTUAL)	
	Φ (INCH)	Φ mm
1-1/2" Conduit Size Punch&Die	1-15/16"	49.6
2" Conduit Size Punch&Die	2-3/8"	61.5
3/4", 16UN Draw stud with bearing		
Plastic box		

Type C Manual Knockout Kits 1 1/2"-2" Includes



DESCRIPTION	HOLE SIZE (ACTUAL)	
	Φ (INCH)	Φ mm
1-1/2" Conduit Size Punch&Die	1.951	49.6
2" Conduit Size Punch&Die	2-3/8" 2.416	61.5
3/4", 16UN Draw stud with bearing		
Plastic box		

Type C 1/2"-2" Knockout Punch Kit Includes



DESCRIPTION	HOLE SIZE (ACTUAL)	
	Φ (INCH)	Φ mm
Ratchet wrench-1" Hex		
1/2" Conduit Size Punch&Die	7/8"	0.885 22.5
3/4" Conduit Size Punch&Die	1.115	28.3
1" Conduit Size Punch&Die	1.362	34.6
1-1/4" Conduit Size Punch&Die	1.701	43.2
1-1/2" Conduit Size Punch&Die	1.951	49.6
2" Conduit Size Punch&Die	2-3/8" 2.416	61.5
3/8", 24UN Draw stud with bearing		
3/4", 16UN Draw stud with bearing		
Plastic box		

Standard round knockout punches (Type D)

Capacity: Mild steel up through 3.5mm (10gauge)

Application: Punch mild steel, aluminium, fiberglass and plastic.

Operation: Battery, hydraulic, ratchet or manual drivers. When used with ratchet, hydraulic or battery drivers, buy the punch and die only; the draw stud is part of the driver kit.

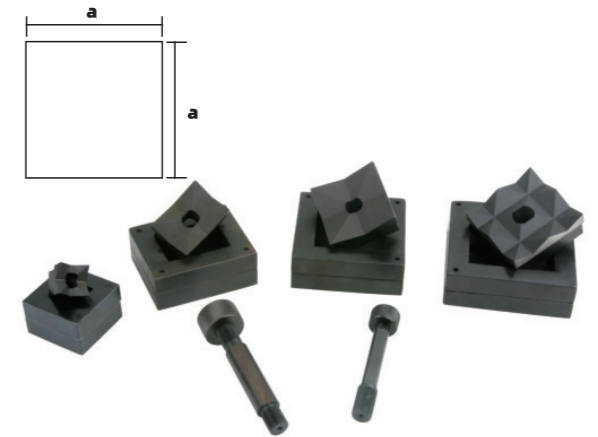
CONDUIT&PIPE SIZE	HOLE SIZE (ACTUAL)		CAPACITY	
	Φ (INCH)	Φ mm	mm	GA
1/2"	7/8	22.5	3.5	10
3/4"	-	28.3	3.5	10
1"	-	34.6	3.5	10
1-1/4"	1-11/16	43.2	3.5	10
1-1/2"	1-15/16	49.6	3.5	10
2"	2-3/8	61.5	3.5	10
2-1/2"	2-7/8	74	3.5	10
3"	3-1/2	89.9	3.5	10
3-1/2"	4	102.7	3.5	10
4"	4-1/2	115.4	3.5	10
5"	5-5/8	144.1	3.5	10
6"	6-3/8	161.9	3.5	10
Customized As Order				



ROUND PUNCHES

Square knockout punches (Type F)

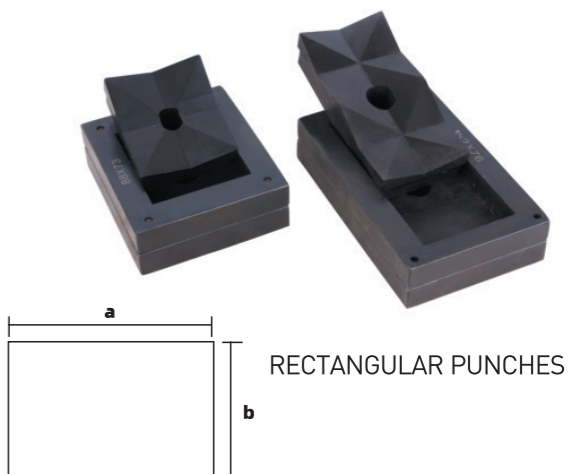
HOLE SIZE (ACTUAL)	MAX CAPACITY MILD STEEL	OPERATION TYPE		
		Φ mm	GA	
5/8" 0.625x0.625	15.9x15.9	2.0	14	Hand/Hydr.
3/4" 0.750x0.750	19.1x19.1	2.0	14	Hand/Hydr.
7/8" 0.882x0.882	22.4x22.4	2.0	14	Hand/Hydr.
1" 1.000x1.000	25.4x25.4	2.0	14	Hand/Hydr.
1 1/8" 1.125x1.125	28.6x28.6	3.5	10	Hand/Hydr.
1-13/16" 1.811x1.811	46.0x46.0	3.5	10	Hydr.Only
2" 2.000x2.000	50.8x50.8	3.5	10	Hydr.Only
2-11/16" 2.677x2.677	68.0x68.0	3.5	10	Hydr.Only
3-5/8" 3.622x3.622	92.0x92.0	3.5	10	Hydr.Only
4-1/8" 4.125x4.125	104.8x104.8	3.5	10	Hydr.Only
5 5/8" 5.433x5.433	138.0x138.0	2.0	14	Hydr.Only
Customized As Order				



SQUARE PUNCHES

Rectangular knockout punches (Type G)

HOLE SIZE (ACTUAL)	MAX CAPACITY MILD STEEL	OPERATION TYPE		
		Φ mm	mm	
0.861x1.018	21.9x25.9	2.0	14	Hand/Hydr.
0.886x1.181	22.0x30.0	2.0	14	Hand/Hydr.
0.866x1.654	22.0x42.0	2.0	14	Hand/Hydr.
0.990x1.140	25.1x29.0	2.0	14	Hand/Hydr.
1.250x1.380	31.8x35.1	2.0	14	Hand/Hydr.
1.312x2.625	33.3x67.9	3.5	10	Hydr.Only
1.378x2.047	35.0x52.0	3.5	10	Hydr.Only
1.378x2.559	35.0x65.0	3.5	10	Hydr.Only
1.378x3.228	35.0x82.0	2.0	14	Hydr.Only
1.378x4.409	35.0x112.0	2.0	14	Hydr.Only
1.811x3.622	46.0x92.0	3.5	10	Hydr.Only
2.250x3.500	57.2x88.9	3.5	10	Hydr.Only
2.677x5.433	68.0x138.0	2.0	14	Hydr.Only
Customized As Order				



RECTANGULAR PUNCHES



**WK-9AL** HYDRAULIC PUNCH DRIVER with new SPEED PUNCH System

"No Thread" Punch design, effortless punching with quickest speed and most efficiency

- with high strength aluminum alloy body, easy to handle
- compact body, huge power-two stage hydraulic system to deliver fast feed and power stroke
- 360° rotatable working head, widely used in different applications. the working head inlay the spacer to protect the aluminum head

Technical data	
Rated pressure:	86kN
Stroke:	25mm
Max round punch size:	61.5 mm dia In the 3.5mm mild steel
Temperature:	-20°C-50°C
Weight of box:	355X102X123mm
Accessories:	
Round Knockout Punches:	22.5mm,28.3mm,34.6mm,43.2mm,49.6mm,61.5mm
Speed lock:	1pc
Speed small draw stud:	1pc
Speed middle draw stud:	1pc
Sealing kit:	1set
Plastic box:	1pc



Note: Due to the different material and process of the iron plate, it is impossible to define the accurate hole diameter and plate thickness. The actual test data shall prevail.



**WK-12AL**

- 180°\*360° rotatable head, right angle driver head for maximum flexibility in confined working areas
  - with high strength aluminum alloy body, easy to handle
  - Allow unlimited driver orientation to simplify access to work area
  - Develops 12tons of hydraulic force for easy punching, even in 3.5mm mild steel.
- PATTENT NO.: US8.667.790132

Technical data	
Punching range:	φ22.5-φ61.5mm in the 3.5mm Mild Steel
Punching force:	120kN
Stroke:	29mm
Accessories:	
Round Knockout Punches Type D:	22.5,28.3,34.6,43.2,49.6,61.5mm
7/16"×3/4" Draw Stud:	1pc
3/4"×3/4" Draw Stud:	1pc
Spacer:	1pc
Sealing kit:	1set



**TP-8C**

- With high strength of steel body, durable and reliable Suitable for mild steel, plastic and aluminum plate up to 3.5mm

Technical data	
Punching range:	In the 3.5mm mild steel
Punching force:	66kN
Stroke:	22mm
Accessories:	
Round Knockout Punches Type D:	22.5,28.3,34.6,43.2,49.6,61.5mm
7/16"×3/4" Draw Stud:	1pc
3/4"×3/4" Draw Stud:	1pc
Spacer:	1pc
Sealing kit:	1set



**SYK-15**

- with hand pump, hose and cylinder
- Suitable for mild steel, plastic and aluminum plate up to 3.5mm
- We can special make for round, square or rectangle punch&die

Technical data	
Punching range:	φ22.5- φ61.5mm in the 3.5mm mild steel
Punching force:	150kN
Accessories:	
Round Knockout Punches Type D:	22.5, 28.3, 34.6, 43.2, 49.6, 61.5mm
Square Knockout Punches :	32x32mm
7/16"×3/4" Draw Stud:	1pc
3/4"×3/4" Draw Stud:	1pc
Spacer:	1pc
Sealing kit:	1set



**TPA-8**

- 360° rotatable head
- with high strength aluminum alloy body, easy to handle

Technical data	
Punching range:	In the 3.5mm mild steel
Punching force:	69kN
Stroke:	21mm
Accessories:	
Round Knockout Punches Type D:	22.5,28.3,34.6,43.2,49.6,61.5mm
7/16"×3/4" Draw Stud:	1pc
3/4"×3/4" Draw Stud:	1pc
Spacer:	1pc
Sealing kit:	1set
Plastic box:	1pc



**WK-8**

- For easy operation and comfort the operator, the tool head can be fully rotated through 360°
- It gives clean perforation through 3.5mm thick mild steel with a φ61.5mm max hole.

Technical data	
Punching range:	In the 3.5mm mild steel
Punching force:	70kN
Stroke:	25mm
Accessories:	
Round Knockout Punches Type D:	22.5,28.3,34.6,43.2,49.6,61.5mm
7/16"×3/4" Draw Stud:	1pc
3/4"×3/4" Draw Stud:	1pc
Spacer:	1pc
Sealing kit:	1set
Plastic box:	1pc



**WK-8AL**

- 180°\*360° rotatable head, right angle driver head for maximum flexibility in confined working areas with high strength aluminum alloy body, easy to handle
- Allow unlimited driver orientation to simplify access to work area.
- Develops 7tons of hydraulic force for easy punching

Technical data	
Punching force:	70kN
Stroke:	26mm
Accessories:	
Round Knockout Punches Type D:	22.5,28.3,34.6,43.2,49.6,61.5mm
7/16"×3/4" Draw Stud:	1pc
3/4"×3/4" Draw Stud:	1pc
Spacer:	1pc
Sealing kit:	1set



**SYK-8B**

- With hand pump, hose and cylinder
- Suitable for mild steel, plastic and aluminum plate up to 3.5mm
- We can special make for round, square or rectangle punch&die

Technical data	
Punching range:	φ22.5- φ61.5mm in the 3.5mm mild steel
Punching force:	100kN
Accessories:	
Round Knockout Punches Type D:	22.5,28.3,34.6,43.2,49.6,61.5mm
7/16"×3/4" Draw Stud:	1pc
3/4"×3/4" Draw Stud:	1pc
Spacer:	1pc
Sealing kit:	1set



**CC-100**

- Punch up through 1.0 mm mild steel in one stroke.
- Aluminum head provides strength with minimum weight, reducing operator fatigue.Self-stripping design eliminates punch hang-ups.
- Automatically centers holes on standard studs.

Technical data	
Punching capacity:	In the 1.0mm mild steel
Round punch die:	φ22.2mm and φ34.1mm
Stroke:	45mm
Depth of throat:	48mm



**HCC-76**

- Punch up through 1.0 mm mild steel in one stroke.
- Aluminum head provides strength with minimum weight, reducing operator fatigue.Self-stripping design eliminates punch hang-ups.
- Automatically centers holes on standard studs.

Technical data	
Rated output:	15kN
Rated pressure:	32Mpa
Punching range:	Max.φ34.1mm on 1.5mm below soft steel plate
N.Weight:	approx.5.2kg
Stroke:	45mm
Throat depth:	51.2-76.2mm
Package:	Plastic box



**WP-700** SAFETY SYSTEM INSIDE

- Two stage hydraulic system with fast feed and power stroke
- Both suit for hand or foot handle, the handle can snap back Automatically
- With automatic retraction release valve inside, matched with foot released valve
- Safety valve inside to prevent overload
- High strength aluminum alloy body, light weight

Technical data	
Type:	Hand/Foot Pump
Max output pressure:	High pressure: 70Mpa / Low pressure: 2.5Mpa
Capacity of oil:	1100ml
Output of the oil:	High pressure:1.8ml / Low pressure: 11ml
Weight:	11.7KG



**CP-180B**

- Hydraulic operated pump to drive crimping head, Cutting head, punching head and cylinders
- The tool comes with the pressure 700kg/cm<sup>2</sup>
- With 0.8m high pressure oil hose and PT 3/8" screw thread

Technical data	
Max output pressure:	70Mpa
Capacity of oil:	185cc
Measurement (LxWxH):	350x120x130mm
Type:	Hand



**CP-700B**

- Hydraulic operated pump to drive crimping head, Cutting head, punching head and cylinders
- The tool comes with the pressure 700kg/cm<sup>2</sup>
- With 2m high pressure oil hose and PT 3/8" screw thread

Technical data	
Max output pressure :	High pressure: 70Mpa Low pressure: 2Mpa
Capacity of oil:	1800cc
Output of the oil:	High pressure:1.8cc Low pressure: 10cc
Type:	Hand



**TFP-800**

- Hydraulic foot pump to drive crimping head, cutting head, punching head and cylinders
- The tool comes with the pressure 700kg/cm<sup>2</sup>,
- Safety valve inside to prevent overload
- With 2m high pressure oil hose and PT 3/8" Screw thread

Technical data	
Max output pressure:	70Mpa
Capacity of oil:	850cc
Measurement (LxWxH):	450x150x200mm
Type:	Foot



**CP-390**

- Hydraulic operated pump to drive crimping head, Cutting head, punching head and cylinders
- The tool comes with the pressure 700kg/cm<sup>2</sup>
- With 2m high pressure oil hose and PT 3/8" screw thread

Technical data	
Max output pressure:	70Mpa
Capacity of oil:	390cc
Measurement (LxWxH):	400x105x155mm
Type:	Hand



**CP-700**

- Hydraulic operated pump to drive crimping head, Cutting head, punching head and cylinders
- The tool comes with the pressure 700kg/cm<sup>2</sup>
- With 2m high pressure oil hose and PT 3/8" screw thread

Technical data	
Max output pressure:	70Mpa
Capacity of oil:	940cc
Measurement (LxWxH):	510x140x150mm
Type:	Hand



**TEP-700B**

Technical data	
Working Power:	AC220V 50HZ
Power Rating:	0.75 kw
Nominal delivery capacity:	Low pressure 4L/min High pressure 0.5L/min
Max working pressure:	70Mpa
Oil capacity:	2L
Weight:	17KG
External size:	210x210x340
Hydraulic oil :	HV15 hydraulic oil
Speed:	20000r/min



**ZCB6-6** HALF CLOSED STYLE

Technical data	
Rated output:	70Mpa
Motor voltage:	220V/380V
Motor power:	750W
Rate of output:	High:0.7/min Low:5L/min
Oil capacity:	8L
Speed:	1400r/min
Weight:	22KG
Size:	30x24x38cm

## EB-700 Battery Powered Hydraulic Pump

- Lightweight and portable design for outdoor work
- OLED display show Pressure value, Maintenance note, Battery percentage, Working cycles ect.
- Automatic retraction when operation is complete
- Manual retract if need
- Electronic sensor pressure control
- High performance 18V Li-ion battery
- Operates for crimping, cutting and punching heads
- All tools and hydraulic hose with couplers, easy and quick to connect



### Work with different hydraulic heads



1.5m Hydraulic hose



1.5m Remote controller  
(Wireless remote control at optional)



Carrying strap



Backpack



Technical data	
Oil Capacity:	Approx. 700ml
Pressure:	700bar(70Mpa)
Power:	490W
Voltage/capacity:	18V/5.0Ah
Weight:	5.9kgs(with battery)
Tool size:	338x172x266mm
Charging time:	100mins
Operation mode:	Remote control at 1.5m, or wireless remote control at 25m
Accessories:	
Battery:	2pcs
Charger:	1pc
Carrying strap:	1pc
Backpack:	1pc
Remote control:	1pc with 1.5m wire(Wireless control at optional)
Hydraulic hose:	1pc 1.5m

## ED-50RIV Battery Powered Riveting Tool

- The rivet force can be stepless adjustable according to the size of rivet and the strength of the rivet material
- Sudden suspend function can be controlled at any time, even can retract manually.
- According to ergonomic design with antislip handle.
- Micro computer control system with the feature of self- pressure inspecting, double protection during operation, counting and realize the exchange between computer with data by the converter.
- High performance Li-ion battery to provide stronger power source, no discharge memory effects, one time charge 300 times can be effective for crimping.

Technical data	
Output:	20-50kN
Stroke:	35mm
Throat depth:	35mm
Time/ charger:	200times
Time/ cycle:	3-8s
Voltage/capacity:	18V / 4.0Ah
N.weight (with battery):	4.85kgs
Voltage of charger:	100-240V AC
Charging time:	80 mins
Accessories:	
Battery:	2 pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set



## ED-50RIV Battery Powered Riveting Tool

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- Micro computer control system with the feature of self- pressure inspecting, double protection during operation, counting and realize the exchange between computer with data by the converter.
- High performance Li-ion battery to provide stronger power source, no discharge memory effects, one time charge 300 times can be effective for crimping.

Technical data	
Output:	20-50kN
Stroke:	35mm
Throat depth:	200mm
Time/ charger:	200times
Time/ cycle:	3-8s
Voltage/capacity:	18V / 4.0Ah
N.weight (with battery):	9.7kgs
Voltage of charger:	100-240V AC
Charging time:	80 mins
Accessories:	
Battery:	2 pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set



## ED-2436 Battery Powered Nut Cutter

- High hardness alloy blade with longer life time
- 310° rotating cutting head suit for different working place
- Automatic retraction when operation is complete
- Ergonomic design non-slip handle, easy to operate

Technical data	
Rated pressure:	120kN
Stroke:	23mm
Thread of Nut Range:	M16-M24
Accessories:	
Service Interval:	10000cycles
Charging Voltage:	AC100V-240V; 50-60Hz
Weight:	6.3kgs(with battery)
Voltage/capacity:	18V / 4.0Ah
Charging Time:	Approx.80mins



## BLM-24 Battery Powered Nut Cutter

Technical data	
Rated pressure:	50kN
Stroke:	18mm
Hexagon nut range:	13-24mm
Thread of nut range:	M8-M16
Voltage/capacity:	18V/2.0Ah
Charging time:	40mins
Charging voltage:	AC 100V-240V ;50-60Hz
Package:	Plastic box
Weight:	3.1kgs(with battery)
Tool Size:	419x120x80mm
Accessories:	
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve:	1set



## SL-24 Battery Powered Nut Cutter

Technical data	
Rated pressure:	50kN
Stroke:	18mm
Hexagon nut range:	13-24mm
Thread of nut range:	M8-M16
Voltage/capacity:	18V/2.0Ah
Charging time:	40mins
Charging voltage:	AC 100V-240V ;50-60Hz
Package:	Plastic box
Weight:	3.1kgs(with battery)
Tool Size:	420x76x119mm
Accessories:	
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve	1set



### YP-24 SAFETY SYSTEM INSIDE

- Special tool for rusted nut, save time, save power suit for nut M8-M16

Technical data	
Max cutting force	100kN
Stroke	20mm
Size of nut:	M8-M16



### CPC-12A

- For rebar cutting
- Single stage piston pump, simple structure, easier to operate replaceable carbide blade, durable
- Non-slip handle

Technical data	
Output:	45kN
Cutting range:	φ4-φ12mm
Length:	315mm
Weight:	1.90kg

## PZ-24 Battery Powered Nut Cutter

Technical data	
Rated pressure:	50kN
Stroke:	18mm
Hexagon nut range:	13-24mm
Thread of nut range:	M8-M16
Voltage/capacity:	18V/2.0Ah
Charging time:	40mins
Charging voltage:	AC 100V-240V ;50-60Hz
Package:	Plastic box
Tool Size:	424x124x75mm
Accessories:	
Battery:	2pcs
Charger:	1pc
Sealing ring of cylinder:	1set
Sealing ring of safety valve	1set



### CPC-16A

- For rebar cutting
- Single stage piston pump, simple structure, easier to operate replaceable carbide blade, durable
- Non-slip handle

Technical data	
Output:	60kN
Cutting range:	φ4-φ16mm
Length:	410mm
Weight:	3.40kg



### CPC-22A

- For rebar cutting
- Single stage piston pump, simple structure, easier to operate replaceable carbide blade, durable
- Non-slip handle

Technical data	
Output:	100kN
Cutting range:	φ4-φ22mm
Length:	480mm
Weight:	4.20kg

## ERC-20 Battery Powered Rebar Cutter

- Spark free cutting of rebar and steel rod.
- Lightweight and portable design for outdoor work.
- High performance brushless motor; runs cooler and more efficiently.
- Alternate reciprocating valve, suits for long-term continuous working.
- All tools can be controlled by one trigger and built-in stroke control device, the piston returns automatically when finish cutting, it makes the operation easier.
- Replaceable high hardness Alloy blade with unique design, and have a longer life time.
- The hand-held part and tool body can be rotated 360° with 4×90° damping rotator, which is suitable for narrow spaces.
- A set up mesh protective baffle to reduce the risk of cutting off fragments flying out and cause injured.

Technical data	
Cutting Range:	φ3-φ20mm
Cutting Cycle Time:	Approx. 5.5s (φ20mm Rebar)
Cutting Cycle/Charge:	Approx 162 cycles (φ13mm Rebar)
Rated Stroke:	21mm
Rated Voltage:	DC20V
Tool Size:	400x128x275mm
Weight:	10.2kgs (with handle and 4.0Ah battery)
Accessories:	
Battery:	2pcs
Charger:	1pc
Hex wrench:	1pc 4mm
Hydraulic oil:	1 bottle 35ml



## ECH-20 Battery Powered Punching Tool

- Spark free punch of steel flat, steel angle, U-steel, copper bar etc.
- Lightweight and portable design for outdoor work.
- High performance brushless motor; runs cooler and more efficiently.
- Alternate reciprocating valve, suits for long-term continuous working.
- Built-in stroke control device, the piston returns automatically when finish punching, it makes the operation easier.
- Replaceable high hardness alloy punch dies suit for different punching shape.
- The hand-held part and tool body can be rotated 360° with 4×90° damping rotator, which is suitable for narrow spaces.
- A set up mesh protective baffle to reduce the risk of cutting off fragments flying out and cause injured.

Technical data	
Punching Shape:	Round/sulciform
Max Punching Dia:	φ20mm
Max Thickness of Sheet:	8mm
Max Depth of Throat:	40mm
Rated Stroke:	15mm
Rated Voltage:	DC20V
Tool Size:	410x128x313mm
Weight:	11.2kgs (with handle and 4.0Ah battery)
Accessories:	
Battery:	2pcs
Charger:	1pc
Hex wrench:	1pc 3mm and 1pc 4mm
Round punch dies:	φ6.5/9/13/17/20.5mm
Wrench:	1pc 10mm
Disassembly wrench:	1pc
Handle:	1pc



YL-5S SAFETY SYSTEM INSIDE	
Technical data	
Output:	5T
Opening distance range:	50-250mm
Max. Pullout distance:	140mm
Max. stroke:	50mm
Weight:	13.8KG
Size:	60x12x17cm
Package:	Wooden box



YL-10S SAFETY SYSTEM INSIDE	
Technical data	
Output:	10T
Opening distance range:	50-300mm
Max. Pullout distance:	170mm
Max. stroke:	60mm
Weight:	15.1KG
Size:	57x18x16cm
Package:	Wooden box



YL-20S SAFETY SYSTEM INSIDE	
Technical data	
Output:	20T
Opening distance range:	100-400mm
Max. Pullout distance:	205mm
Max. stroke:	70mm
Weight:	20.4KG
Size:	62x25x22cm
Package:	Wooden box





## RAC series, single-acting aluminum

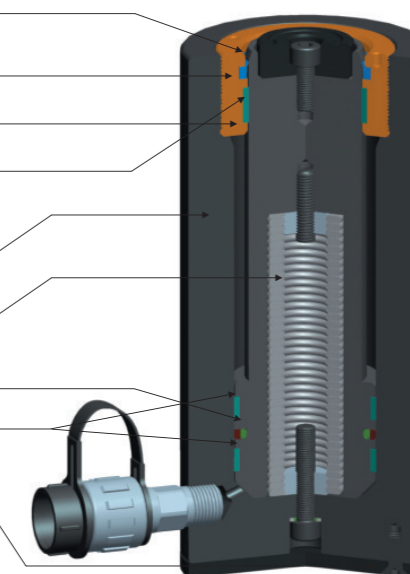
Utilizing the latest in Alloy technology, high-strength coatings, seal design and bearing materials, the new Aluminum Cylinder line from ZUPPER can change the way you think about your cylinder applications. Our cylinders provide the strength of aluminum alloy with the lightweight, transportability and easy positioning of aluminum.

- Steel baseplate and saddle for protection against load-induced damage
- Dust ring stop the dust into cylinder during extension
- Integral stop ring prevents plunger over-travel and is capable of with standing the full cylinder capacity
- Multi-wearing ring prevent metal to metal contact, increasing cylinder life and resistance to side-loads of up to 10%
- Hard coat finish on all surfaces resists damage and extends cylinder life
- High-strength return spring for rapid cylinder retraction
- Combined seal reduced the friction, no creeping and extends cylinder life
- Handles included on all models



## DESCRIPTION OF PARTS

1. Saddle
2. Dust Ring
3. Integral stop ring
4. Multi-wear ring
5. Hard coat finish on all surface
6. High-strength return spring
7. Combined seal
8. Multi-wear ring
9. Steel baseplate



Note: All the Spec.rated working pressure is 70Mpa

Item.no	Output (t)	Stroke (mm)	Effective area (cm <sup>2</sup> )	Oil capacity (l)	Height of Product (mm)	Outside dia (Φ mm)	Bore dia (Φ mm)	Principal axis Dia (Φ mm)	Cap dia (mm)	Saddle Protrusion From plgr (mm)	Weight (kg)
RAC-2050	20	50	31.2	0.156	174	103	63	50	40	3	4.3
RAC-20100	20	100	31.2	0.312	224	103	63	50	40	3	6
RAC-20150	20	150	31.2	0.468	274	103	63	50	40	3	6.5
RAC-3050	30	50	44.2	0.221	181	108	75	60	50	3	5
RAC-30100	30	100	44.2	0.442	231	108	75	60	50	3	6.3
RAC-30150	30	150	44.2	0.663	281	108	75	60	50	3	18.2
RAC-5050	50	50	70.9	0.354	186	138	95	80	60	3	7.3
RAC-50100	50	100	70.9	0.709	236	138	95	80	60	3	10.3
RAC-50150	50	150	70.9	1.063	286	138	95	80	60	3	10.1
RAC-100100	100	100	143.1	1.431	271	188	135	110	90	3	22
RAC-100150	100	150	143.1	2.147	321	188	135	110	90	3	
RAC-100200	100	200	143.1	2.863	371	188	135	110	90	3	

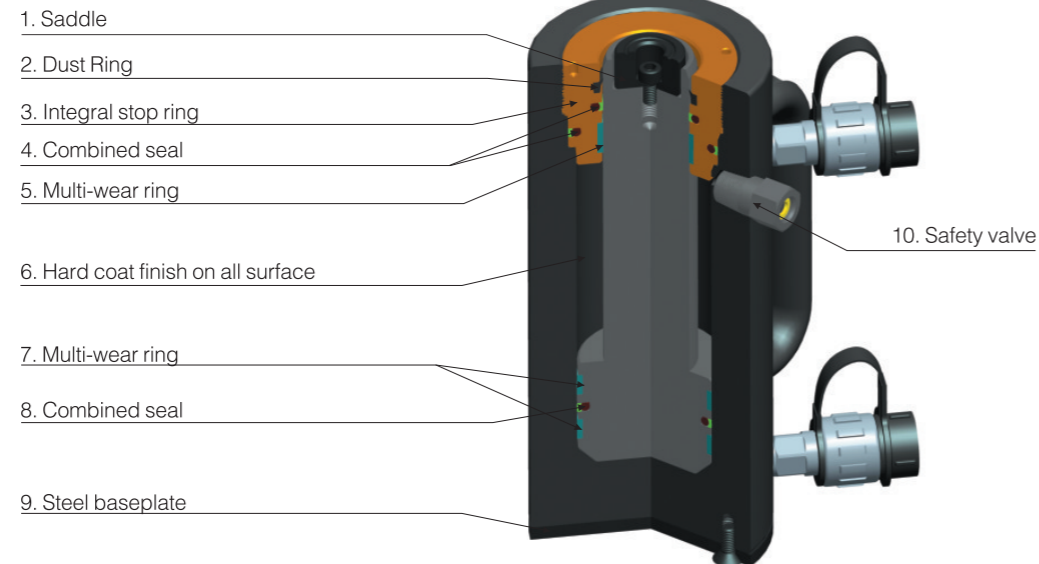
## RAR-series, double acting aluminum cylinders

Utilizing the latest in Alloy technology, high-strength coatings, seal design and bearing materials, the new Aluminum Cylinder line from ZUPPER can change the way you think about your cylinder applications. Our cylinders provide the strength of aluminum alloy with the lightweight, transportability and easy positioning of aluminum.

- Steel baseplate and saddle for protection against load-induced damage
- Dust ring stop the dust into cylinder during extension
- Integral stop ring prevents plunger over-travel and is capable of with standing the full cylinder capacity
- Multi-wearing ring prevent metal to metal contact, increasing cylinder life and resistance to side-loads of up to 10%
- Hard coat finish on all surfaces resists damage and extends cylinder life
- High-strength return spring for rapid cylinder retraction
- Combined seal reduced the friction, no creeping and extends cylinder life
- Handles included on all models



### DESCRIPTION OF PARTS



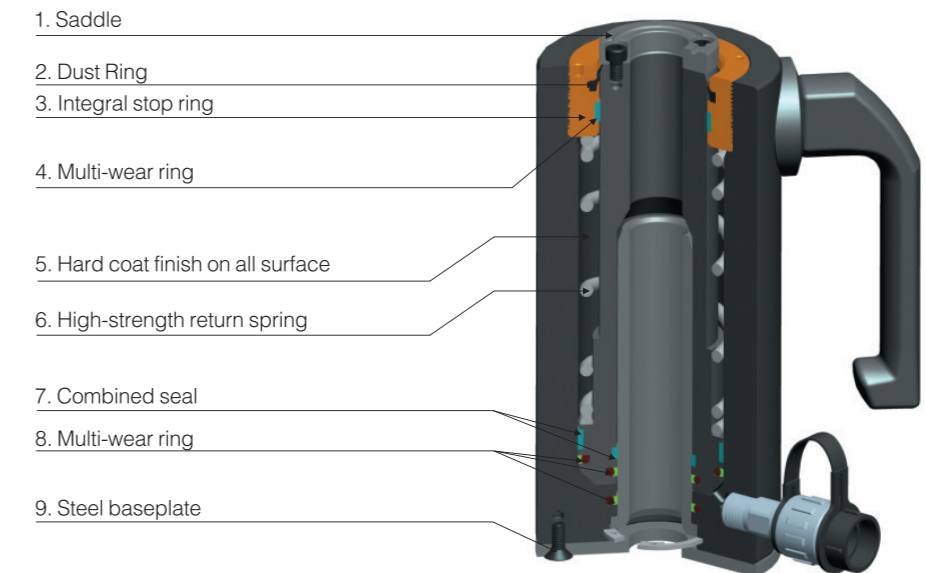
## RACH-series, hollow plunger aluminum cylinders

Utilizing the latest in Alloy technology, high-strength coatings, seal design and bearing materials, the new Aluminum Cylinder line from ZUPPER can change the way you think about your cylinder applications. Our cylinders provide the strength of aluminum alloy with the lightweight, transportability and easy positioning of aluminum.

- Steel baseplate and saddle for protection against load-induced damage
- Dust ring stop the dust into cylinder during extension
- Integral stop ring prevents plunger over-travel and is capable of with standing the full cylinder capacity
- Multi-wearing ring prevent metal to metal contact, increasing cylinder life and resistance to side-loads of up to 10%
- Hard coat finish on all surfaces resists damage and extends cylinder life
- High-strength return spring for rapid cylinder retraction
- Combined seal reduced the friction, no creeping and extends cylinder life
- Handles included on all models



### DESCRIPTION OF PARTS



Note: All the Spec.rated working pressure is 70Mpa

Item.no	Output(t)		Stroke (mm)	Effective area(cm <sup>2</sup> )		Oil capacity (l)	Height of Product (mm)	Outside dia (Φ mm)	Bore dia (Φ mm)	Principal axis Dia (Φ mm)	Cap dia (mm)	Oil supply hole Thread (RC)	Saddle Protrusion From plgr (mm)
	Push	Pull		Push	Pull								
RAR-2050	20	13	50	31.2	18.6	0.156	189	103	63	40	30	3/8	3
RAR-20100	20	13	100	31.2	18.6	0.312	239	103	63	40	30	3/8	3
RAR-20150	20	13	150	31.2	18.6	0.468	289	103	63	40	30	3/8	3
RAR-3050	30	18	50	44.2	24.5	0.221	201	118	75	50	40	3/8	3
RAR-30100	30	18	100	44.2	24.5	0.442	251	118	75	50	40	3/8	3
RAR-30150	30	18	150	44.2	24.5	0.663	301	118	75	50	40	3/8	3
RAR-5050	50	19	50	70.9	26.7	0.354	201	138	95	75	60	3/8	3
RAR-50100	50	19	100	70.9	26.7	0.709	251	138	95	75	60	3/8	3
RAR-50150	50	19	150	70.9	26.7	1.063	301	138	95	75	60	3/8	3
RAR-100100	100	55	100	143.1	79.5	1.431	301	197	135	90	75	3/8	3
RAR-100150	100	55	150	143.1	79.5	2.147	351	197	135	90	75	3/8	3
RAR-100200	100	55	200	143.1	79.5	2.863	401	197	135	90	75	3/8	3

Note: All the Spec.rated working pressure is 70Mpa

Item.no	Output (t)	Stroke (mm)	Effective area (cm <sup>2</sup> )	Oil capacity (l)	Height of Product (mm)	Outside dia (Φ mm)	Bore dia (Φ mm)	Principal axis Dia (Φ mm)	Outer Dia of piston(mm)	Cap dia (mm)	Oil supply hole Thread (RC)	Saddle Protrusion From plgr (mm)
RACH-20100	20	100	32.8	0.328	251	113	75	55	27	55	3/8	10
RACH-20150	20	150	32.8	0.492	313	113	75	55	27	55	3/8	10
RACH-3050	30	50	51.1	0.256	208	138	95	70	34	70	3/8	12
RACH-30100	30	100	51.1	0.512	267	138	95	70	34	70	3/8	12
RACH-30150	30	150	51.1	0.767	333	138	95	70	34	70	3/8	12
RACH-6050	60	50	84.7	0.424	251	187	130	100	54	100	3/8	12
RACH-60100	60	100	84.7	0.848	315	187	130	100	54	100	3/8	12
RACH-60150	60	150	84.7	1.272	380	187	130	100	54	100	3/8	12
RACH-100100	100	100	164.6	1.652	325	267	185	145	79	145	3/8	14
RACH-100150	100	150	164.6	2.478	391	267	185	145	79	145	3/8	14
RACH-100200	100	200	164.6	3.304	459	267	185	145	79	145	3/8	14

## RMC-super thin single acting hydraulic steel cylinder

- Low height is suit for working in narrowness; Short stroke can block up times and times
- The surface of plunger is finished with chrome plate to protect the using of longevity of the product.
- Plunger has the function of retracting automatically.



### DESCRIPTION OF PARTS

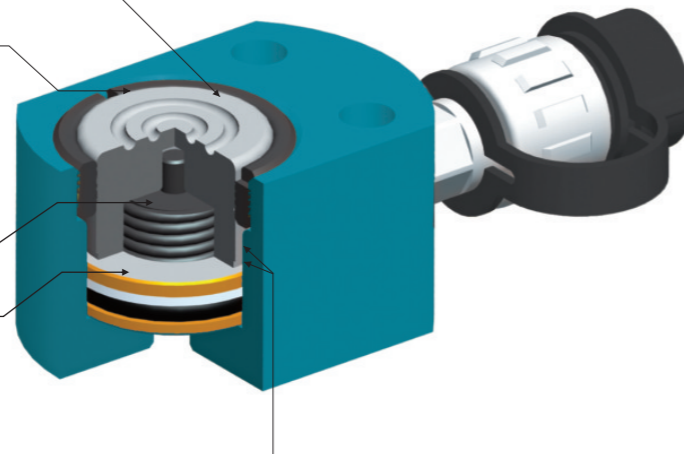
1. Principal axis  
[avoid axis break when it is overloading]

2. Stopping ring  
[to protect the cylinder when the stroke get to top, absorb heaviness on the other side.]

3. Spring [provide the capability of quick flexing]

4. Brass ring [use high quality of brass to joint, to protect the status of overloading and absorb heaviness on the other side.]

5. Cylinder wall and principal axis  
[they can avoid eroding and less friction by chrome plate]



## RMC L-multistage hydraulic steel cylinder

- The stroke of RMC-L series are higher than RMC series

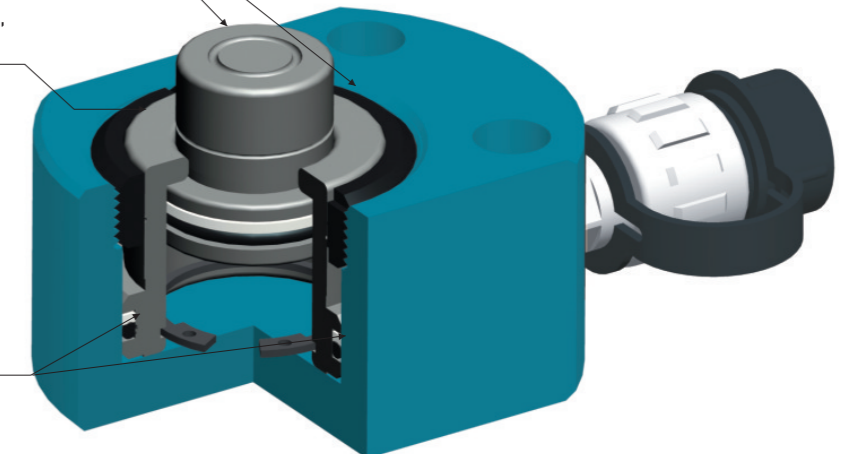


### DESCRIPTION OF PARTS

1. Principal axis  
[avoid axis break when it is overloading]

2. Stopping ring  
[to protect the cylinder when the stroke get to top, absorb heaviness on the other side.]

3. O-ring great effect for seaking and hold longevity



Item.no	Output (t)	Stroke (mm)	Effective area (cm <sup>2</sup> )	Oil capacity (l)	Height of Product (mm)	Extended Height (mm)	Outside dia (Φ mm)	Bore dia (Φ mm)	Principal axis Dia (Φ mm)	Oil supply hole Thread (ZG)	Saddle Protrusion From plgr (mm)	Weight (kg)
RMC-051	5	11	4.9	0.0078	43	54	51×40	30	25	NPT1/4"	1	0.65
RMC-101	10	11	11.3	0.016	47	58	81×56	43	38	3/8"-19	2	1.5
RMC-201	20	11	22	0.031	52	63	100×77	60	53	3/8"-19	2	2.7
RMC-301	30	12	31.1	0.05	63	75	115×95	75	63	3/8"-19	2	4.5
RMC-501	50	16	56.7	0.113	69	85	138×115	95	85	3/8"-19	2	7.4
RMC-1001	100	16	95	0.211	86	102	185×160	130	110	3/8"-19	2	15.5
RMC-1501	150	18	162.8	0.338	93	111	234×200	164	144	3/8"-19	2	25.4
RMC-2001	200	18	224.2	0.505	100	118	274×239	189	169	3/8"-19	2	38.1

Item.no	Output (t)	Stroke (mm)	Effective area (cm <sup>2</sup> )	Oil capacity (l)	Height of Product (mm)	Extended Height (mm)	Outside dia (Φ mm)	Bore dia (Φ mm)	Principal axis Dia (Φ mm)	Weight (kg)
RMC-101L	10	25	11.3	0.022	47	74	81×56	43	38	1.5
RMC-201L	20	26	19.6	0.041	52	80	100×77	60	53	2.7
RMC-301L	30	53	33.1	0.058	63	118	115×95	75	63	4.2
RMC-501L	50	64	56.7	0.113	69	135	138×115	95	85	7.2
RMC-1001L	100	75	95	0.225	86	163	185×160	130	110	15

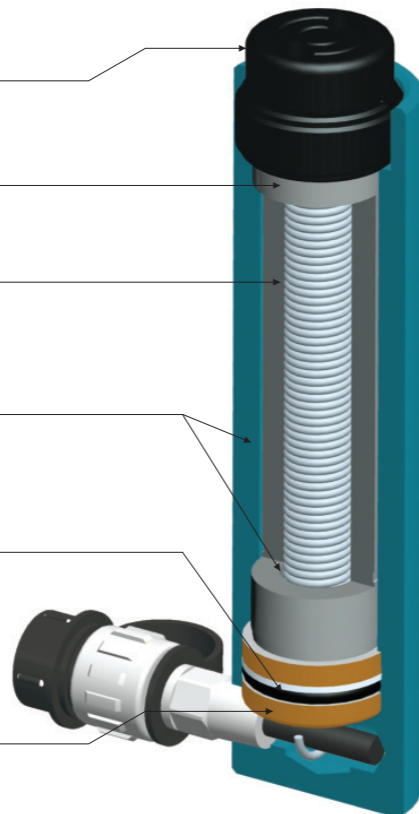
## RSC-single hydraulic steel cylinder

- The surface of principle axis is finished with chrome plate to protect the using of longevity of the product.
- Principle axis has the function of retracting automatically.
- Surface coating resists corrosion, extending cylinder life.
- Hardy underlay to avoid axis break when it is overloading.



## DESCRIPTION OF PARTS

- 1.Hardy underlay**  
(Avoid plunger break when it is overloading)
- 2.Stopping ring**  
(to protect the cylinder when the stroke get to top, absorb heaviness in the other side.)
- 3.Spring**  
(provide the capability of quick flexing)
- 4.Cylinder wall and principal axis**  
(they can avoid eroding and less friction by chrome plate)
- 5.O-ring**  
great effect for sealing and hold longevity.
- 6.Brass ring**  
(use high quality of brass to joint, to protect the status of overloading and absorb heaviness in the other side.)



RSC-single Hydraulic Steel Cylinder

Item.no	Output (l)	Stroke (mm)	Effective area (cm <sup>2</sup> )	Oil capacity (l)	Height of Product (mm)	Extended Height (mm)	Outside dia (Φ mm)	Bore dia (Φ mm)	Principal axis Dia (Φ mm)	Oil supply hole Thread NPT	Saddle Protrusion from Plgr (mm)
RSC-0550	5	50	7.1	0.035	133	183	40	30	25	1/4	13
RSC-05100	5	100	7.1	0.071	183	283	40	30	25	1/4	13
RSC-05150	5	150	7.1	0.106	233	383	40	30	25	1/4	13
RSC-1050	10	50	15.2	0.076	141	191	62	44	38	3/8	21
RSC-10100	10	100	15.2	0.152	191	291	62	44	38	3/8	21
RSC-10150	10	150	15.2	0.228	241	391	62	44	38	3/8	21
RSC-2050	20	50	33.2	0.166	157	207	88	65	55	3/8	22
RSC-20100	20	100	33.2	0.332	207	307	88	65	55	3/8	22
RSC-20150	20	150	33.2	0.497	254	404	88	65	55	3/8	22
RSC-3050	30	50	44.2	0.221	157	207	107	75	65	3/8	22
RSC-30100	30	100	44.2	0.442	209	309	107	75	65	3/8	22
RSC-30150	30	150	44.2	0.662	256	406	107	75	65	3/8	22
RSC-30200	30	200	44.2	0.883	308	508	107	75	65	3/8	22
RSC-5050	50	50	70.8	0.354	162	212	128	95	85	3/8	26
RSC-50100	50	100	70.8	0.708	212	312	128	95	85	3/8	26
RSC-50150	50	150	70.8	1.063	262	412	128	95	85	3/8	26
RSC-50200	50	200	70.8	1.417	312	512	128	95	85	3/8	26
RSC-10050	100	50	132.7	0.663	162	212	175	130	110	3/8	27
RSC-100100	100	100	132.7	1.327	212	312	175	130	110	3/8	27
RSC-100150	100	150	132.7	1.990	262	412	175	130	110	3/8	27
RSC-100200	100	200	132.7	2.653	312	512	175	130	110	3/8	27
RSC-15050	150	50	201.0	1.005	166	216	207	160	140	3/8	26
RSC-150100	150	100	201.0	2.010	216	316	207	160	140	3/8	26
RSC-150150	150	150	201.0	3.014	266	416	207	160	140	3/8	26
RSC-150200	150	200	201.0	4.019	316	516	207	160	140	3/8	26
RSC-20050	200	50	280.4	1.402	171	221	237	189	169	3/8	31
RSC-200100	200	100	280.4	2.804	221	321	237	189	169	3/8	31
RSC-200150	200	150	280.4	4.206	271	421	237	189	169	3/8	31
RSC-200200	200	200	280.4	5.608	321	521	237	189	169	3/8	31
RSC-300100	300	100	415.3	4.153	233	333	287	230	210	3/8	31

## RC-single acting hydraulic steel cylinder

- It has the characteristic of low collapsed height, if the requirement of stroke needs to be higher than RMC series, RC series is suit for this case.
- The surface of principle axis is finished with chrome plate to protect the using of longevity of the product.
- Plunger has the function of retracting automatically
- WRC rotary head, can work in bevel.



### DESCRIPTION OF PARTS

**1. Stopping ring**

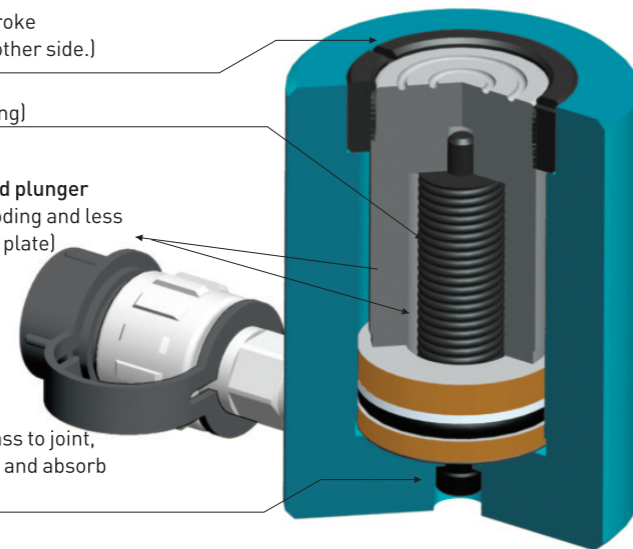
(to protect the cylinder when the stroke get to top, absorb heaviness in the other side.)

**2. Spring**

(provide the capability of quick flexing)

**3. Cylinder wall and plunger**  
(they can avoid eroding and less friction by chrome plate)

**4. Brass ring** (use high quality of brass to joint, to protect the status of overloading and absorb heaviness in the other side.)



## RCH series, Single Acting Hollow Plunger Steel Cylinder

- Steel base plate and saddle for protection the hollow piston and cylinder damage and increasing abrasion performance
- Dust ring stop the dust into cylinder during extension
- Floating type plunger prevents the block caused by slight unbalance loading of piston
- Step-limited piston prevents over-travel and is capable of stopping the spring compressed completely
- Wear ring prevent metal to metal contact, increasing cylinder life and resistance to be scratched
- High-efficient seal extends cylinder life
- Handles included on all models



### DESCRIPTION OF PARTS

**1. Saddle**

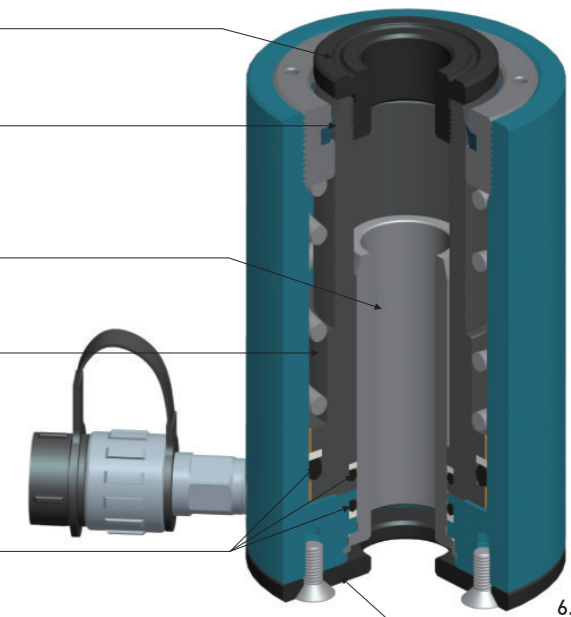
**2. Dust Ring**

**3. Floating piston**

**4. Step-limited piston**

**5. Wear ring**

**6. Steel baseplate**



Note: All the Spec.rated working pressure is 70Mpa

Item.no	Output (t)	Stroke (mm)	Effective area (cm <sup>2</sup> )	Oil capacity (l)	Height of Product (mm)	Extended Height (mm)	Outside dia (Φ mm)	Bore dia (Φ mm)	Principal axis Dia (Φ mm)	Oil supply hole Thread NPT	Saddle Protrusion from Plgr (mm)
RC-0550	5	50	7.1	0.036	121	171	40	30	25	1/4	1
RC-1050	10	50	15.2	0.075	105	155	73	44	38	3/8	2
RC-2050	20	50	33.2	165.9	103	153	93	65	55	3/8	2
RC-3050	30	50	44.2	0.221	103	153	107	75	65	3/8	2
RC-5050	50	50	70.8	0.355	108	159	128	95	85	3/8	2
RC-10050	100	50	132.7	0.664	135	185	175	130	110	3/8	2
RC-15050	150	50	201.0	1.005	137	187	207	160	140	3/8	2
RC-20050	200	50	280.4	1.402	137	187	238	189	169	3/8	2
RC-30050	300	50	415.3	2.077	152	202	287	230	210	3/8	3
WRC-10050	100	50	132.7	0.664	148.5	198.5	175	130	110	3/8	13.5

Item.no	Output (t)	Stroke (mm)	Effective area (cm <sup>2</sup> )	Oil capacity (l)	Height of Product (mm)	Extended Height (mm)	Outside dia (Φ mm)	Bore dia (Φ mm)	Principal axis Dia (Φ mm)	Outer Dia of piston (mm)	Oil supply hole Thread NPT	Saddle Protrusion from Plgr (mm)
RCH-2050	20	50	32.8	0.164	166	216	95	75	55	27	3/8	7
RCH-20100	20	100	32.8	0.328	228	328	95	75	55	27	3/8	7
RCH-20150	20	150	32.8	0.492	290	440	95	75	55	27	3/8	7
RCH-3050	30	50	51.2	0.256	172	222	118	95	70	34	3/8	9
RCH-30100	30	100	51.2	0.512	238	338	118	95	70	34	3/8	9
RCH-30150	30	150	51.2	0.768	208	458	118	95	70	34	3/8	9
RCH-6050	60	50	98.9	0.495	210	260	165	135	100	54	3/8	12
RCH-60100	60	100	98.9	0.989	282	382	165	135	100	54	3/8	12
RCH-60150	60	150	98.9	1.484	357	507	165	135	100	54	3/8	12
RCH-10075	100	75	167.8	1.258	266	341	224	180	140	79	3/8	15
RCH-100150	100	150	167.8	2.517	377	527	224	180	140	79	3/8	15
RCH-100200	100	200	167.8	3.356	451	751	224	180	140	79	3/8	15



T-007A	
<b>Technical data</b>	
Mould:	3 sets
Crimping range:	0.5-6mm <sup>2</sup> Pre-insulated Terminal 0.5-10mm <sup>2</sup> Non-insulated Terminal 0.5-10mm <sup>2</sup> Wire Ferrule End Sleeves

## HAND CRIMPING TOOL

- Suit for Sleeve type terminals for insulation and non-insulation
- Precise pre-tension setting maintains constant crimp performance Less effort required due to new mechanical lever system
- All the necessary parts have been specially hardened



ZSY10-6	
<b>Technical data</b>	
Crimping range:	0.25-10mm <sup>2</sup>
Length:	175mm
Weight:	0.4kgs
Package:	Blister Card



ZSY16-4	
<b>Technical data</b>	
Crimping range:	0.5-16mm <sup>2</sup>
Length:	175mm
Weight:	0.4kgs
Package:	Blister Card



HSC8 6-4A	
<b>Technical data</b>	
Crimping range:	0.25-6mm <sup>2</sup>
Length:	175mm
Weight:	0.39kgs
Package:	Blister Card



HSC8 6-6	
<b>Technical data</b>	
Crimping range:	0.25-6mm <sup>2</sup>
Length:	175mm
Weight:	0.39kgs
Package:	Blister Card



<b>HSC8 16-4</b>	
Technical data	
Crimping range:	4-16mm <sup>2</sup>
Length:	210mm
Weight:	0.52kgs
Package:	Blister Card



<b>T-16</b>	
Technical data	
Crimping range:	1.5-16mm <sup>2</sup>
Length:	325mm
Weight:	0.7kgs
Package:	paper box



<b>AN-03B</b>	
Technical data	
Scope of use:	Non-insulated Terminal and Connector
Crimping range:	1.5-10mm <sup>2</sup>
Length:	230mm
Weight:	0.6kgs



<b>AN-10</b>	
Technical data	
Scope of use:	Non-insulated Terminal and Connector
Crimping range:	0.5-6mm <sup>2</sup>
Length:	230mm
Weight:	0.6kgs



<b>TP-680</b>	
Technical data	
Crimping type:	Indent Crimping
Crimping range:	10-16mm <sup>2</sup>
Length:	260mm
Weight:	0.60kgs



<b>TP-690</b>	
Technical data	
Crimping type:	Indent Crimping
Crimping range:	0.5-6mm <sup>2</sup>
Length:	260mm
Weight:	0.60kgs



<b>AN-101</b>	
Technical data	
Scope of use:	insulated Close End Terminal
Crimping range:	1.5-10mm <sup>2</sup>
Length:	230mm
Weight:	0.6kgs



<b>AN-103</b>	
Technical data	
Scope of use:	Non-insulated Terminal and Connector
Crimping range:	1.0-6mm <sup>2</sup>
Length:	230mm
Weight:	0.6kgs



<b>AN-004</b>	
Technical data	
Scope of use:	Non-insulated Terminal
Crimping range:	0.5-10mm <sup>2</sup>
Length:	230mm
Weight:	0.6kgs



<b>AN-005</b>	
Technical data	
Scope of use:	Non-insulated Terminal
Crimping range:	0.5-10mm <sup>2</sup>
Length:	230mm
Weight:	0.6kgs



<b>AN-04WF</b>	
Technical data	
Scope of use:	Wire Ferrule End Sleeves
Crimping range:	1.0-6mm <sup>2</sup>
Length:	230mm
Weight:	0.6kgs



<b>AN-005H</b>	
Technical data	
Scope of use:	For Crimping Coaxial Cable
Crimping range:	0.5-10mm <sup>2</sup>
Length:	230mm
Weight:	0.6kgs



<b>AN-006</b>	
Technical data	
Scope of use:	Pre-insulated Terminal
Crimping range:	0.5-6mm <sup>2</sup>
Length:	230mm
Weight:	0.6kgs



<b>AN-03C</b>	
Technical data	
Scope of use:	Pre-insulated Terminal and Connector
Crimping range:	0.5-6mm <sup>2</sup>
Length:	230mm
Weight:	0.6kgs



<b>AN-04WFL</b>	
Technical data	
Scope of use:	Wire Ferrule End Sleeves
Crimping range:	0.5-6mm <sup>2</sup>
Length:	230mm
Weight:	0.6kgs



<b>AN-50WF</b>	
Technical data	
Scope of use:	Wire Ferrule End Sleeves
Crimping range:	25-50mm <sup>2</sup>
Length:	235mm
Weight:	0.6kgs



### AN-16WF

Technical data	
Scope of use:	Trapezoid Crimping
Crimping range:	6-16mm <sup>2</sup>
Length:	230mm
Weight:	0.6kgs



### AN-35WF

Technical data	
Crimping type:	trapezoid crimping
Crimping range:	10-35mm <sup>2</sup>
Length:	235mm
Weight:	0.6kgs



### AH-101

Technical data	
Scope of use:	Non-insulated Terminal and Connector
Crimping range:	1.5-10mm <sup>2</sup>
Length:	260mm
Weight:	0.6kgs



### AH-103

Technical data	
Scope of use:	Insulated Close End Terminal
Crimping range:	1.0-6mm <sup>2</sup>
Length:	260mm
Weight:	0.6kgs



### AH-004

Technical data	
Scope of use:	Non-insulated Terminal
Crimping range:	0.5-10mm <sup>2</sup>
Length:	260mm
Weight:	0.6kgs



### AH-005

Technical data	
Scope of use:	Non-insulated Terminal
Crimping range:	0.5-10mm <sup>2</sup>
Length:	260mm
Weight:	0.6kgs



### AH-04WF

Technical data	
Scope of use:	Wire Ferrule End Sleeves
Crimping range:	1.0-6mm <sup>2</sup>
Length:	260mm
Weight:	0.6kgs



### AH-005H

Technical data	
Scope of use:	For Crimping Coaxial Cable
Crimping range:	0.5-10mm <sup>2</sup>
Length:	260mm
Weight:	0.6kgs



### AH-006

Technical data	
Scope of use:	Pre-insulated Terminal and Connector
Crimping range:	0.5-6mm <sup>2</sup>
Length:	260mm
Weight:	0.6kgs



### AH-03C

Technical data	
Scope of use:	Pre-insulated Terminal
Crimping range:	0.5-6mm <sup>2</sup>
Length:	260mm
Weight:	0.6kgs



### AH-04WFL

Technical data	
Scope of use:	Wire Ferrule End Sleeves
Crimping range:	0.5-6mm <sup>2</sup>
Length:	260mm
Weight:	0.6kgs



### AH-50WF

Technical data	
Scope of use:	Wire Ferrule End Sleeves
Crimping range:	25-50mm <sup>2</sup>
Length:	260mm
Weight:	0.6kgs



### AH-03B

Technical data	
Scope of use:	Non-insulated Terminal and Connector
Crimping range:	0.5-6mm <sup>2</sup>
Length:	260mm
Weight:	0.6kgs



### AH-10

Technical data	
Scope of use:	Non-insulated Terminal and Connector
Crimping range:	1.5-10mm <sup>2</sup>
Length:	260mm
Weight:	0.6kgs



### AH-16WF

Technical data	
Scope of use:	Wire Ferrule End Sleeves
Crimping range:	6-16mm <sup>2</sup>
Length:	260mm
Weight:	0.6kgs



### AH-35WF

Technical data	
Scope of use:	Wire Ferrule End Sleeves
Crimping range:	10-35mm <sup>2</sup>
Length:	260mm
Weight:	0.6kgs





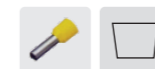
### AP-03B

Technical data	
Crimping type:	Indent Crimping
Crimping range:	0.5-6mm <sup>2</sup>
Length:	250mm
Weight:	0.59kgs



### AP-03C

Technical data	
Scope of use:	Quad-point Crimping
Crimping range:	0.5-6mm <sup>2</sup>
Length:	250mm
Weight:	0.59kgs



### AP-04WFL

Technical data	
Crimping type:	Trapezoid Crimping
Crimping range:	0.5-6mm <sup>2</sup>
Length:	250mm
Weight:	0.59kgs



### AP-004

Technical data	
Crimping type:	Indent-crimping
Crimping range:	0.5-10mm <sup>2</sup>
Length:	250mm
Weight:	0.59kgs



### AP-10

Technical data	
Crimping type:	Indent Crimping
Crimping range:	1.5-10mm <sup>2</sup>
Length:	250mm
Weight:	0.59kgs



### AP-101

Technical data	
Crimping type:	Indent Crimping
Crimping range:	1.5-10mm <sup>2</sup>
Length:	250mm
Weight:	0.59kgs



### AP-005

Technical data	
Crimping type:	Hexagon Crimping
Crimping range:	0.5-10mm <sup>2</sup>
Length:	250mm
Weight:	0.59kgs



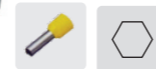
### AP-006

Technical data	
Scope of use:	Quad-point Crimping
Crimping range:	0.5-6mm <sup>2</sup>
Length:	250mm
Weight:	0.59kgs



### AP-103

Technical data	
Crimping type:	Oval Crimping
Crimping range:	1.0-6mm <sup>2</sup>
Length:	250mm
Weight:	0.59kgs



### AP-04WF

Technical data	
Crimping type:	Roll- Crimping
Crimping range:	1.0-6mm <sup>2</sup>
Length:	250mm
Weight:	0.59kgs



### AP-005H

Technical data	
Crimping type:	Hexagon Crimping
Crimping range:	0.5-10mm <sup>2</sup>
Length:	250mm
Weight:	0.59kgs



### MH-125

Technical data	
Crimping type:	Indent Crimping
Crimping range:	1.00-6.00mm <sup>2</sup>



### MH-5

Technical data	
Crimping range:	1.25-5.5mm <sup>2</sup>
Length:	175mm
Weight:	0.3kg
Package:	Blister Card



### HD-14L

Technical data	
Scope of use:	Non-insulated Terminal
Crimping range:	5.5-14mm <sup>2</sup>



### HD-16L

Technical data	
Scope of use:	Non-insulated Terminal
Crimping range:	1.25-16mm <sup>2</sup>



### MH-32

Technical data	
Crimping range:	0.3-2mm <sup>2</sup>
Length:	175mm
Weight:	0.3kg
Package:	Blister Card



### MH-8

Technical data	
Crimping range:	1.25-8mm <sup>2</sup>
Length:	240mm
Weight:	0.4kg
Package:	Blister Card



### HD-25L

Technical data	
Scope of use:	Non-insulated Terminal
Crimping range:	5.5-25mm <sup>2</sup>



### HD-50L

Technical data	
Scope of use:	Non-insulated Terminal
Crimping range:	5.5-50mm <sup>2</sup>



### MH-16

Technical data	
Crimping range:	1.25-16mm <sup>2</sup>
Length:	250mm
Weight:	0.45kg
Package:	Blister Card



### MH-22

Technical data	
Scope of use:	Non-insulated Terminal
Crimping range:	5.5-25mm <sup>2</sup>



### HD-6L

Technical data	
Scope of use:	Non-insulated Terminal
Crimping range:	0.5-6mm <sup>2</sup>



### HD-8L

Technical data	
Scope of use:	Non-insulated Terminal
Crimping range:	1.25-8mm <sup>2</sup>

#### Tool kits(for coaxial cable) 5 die sets



### T05H-5A

Technical data					
Model	Diagram	Type	Model	Crimping Range	
AN-02H	6.5mm		AN-10	1.5-6mm <sup>2</sup> non-insulated terminal	
	5.4mm				
AN-02H1	1.72mm		AN-03B	1.0-4mm <sup>2</sup> for crimping non-insulated open barrel terminal and connector	
	6.5mm				
AN-05H	5.4mm		AN-04WF	1.0-6mm <sup>2</sup> for wire ferrules end sleeves	
	8.1mm				
AN-1741	2.0mm		AN-16WF	6-16mm <sup>2</sup> for wire ferrules end sleeves	
	4.5mm				
AN-457	11mm		AN-03C	0.5-6mm <sup>2</sup> pre-insulated terminal	



### T03C-5D

