



## About Tai Cheng (TAC)

We are professionally engaged in making hydraulic tools and established in 1978. From the beginning, we plan objectives and execute designs, developments, tests, quality control and sales service...etc. Everything is based on the international ISO9001:2008 standard to execute and we are applying CE and UL international standard.

Our team is high-class oversight by excellent designers. We research and develop new items to match the national standard. Our products are plural like electronic power, electricity-system, machinery tools for cars, which are controlled by precise processing. Our products have good quality and credit that making us can set up many branch offices and distributors in our country.

In terms of products, we take strictly on the manufacturing processes and choosing the materials, then via CNC lathes, milling machines, digital computer-controlled, precision machining, and then hardened by entirely scientific that make the product is not easily deformed by later processing. We also do anti-rust maintenance and beautiful surface treatment, such as: electroplating, black, spray paint. We set up branch offices and distributors around Taiwan so that can offer fast maintenance and reparation service for our customer s to solve their problem at the very first time.

Our products also win good reputation all over the world. Our sales are dispersed in American, Southeast Asia, Indonesia, Thailand, Malaysia, Viet Nam, Japan, Turkey, Australia and so on at present, we have over 20 agents in the above countries. Our good quality products create our brand and we can be O.E.M. factory, too. We have great credit.

Finally, thanks for the long-standing support and caring, we will be more stringent standards to ourselves, it also be our pleasure to serve you if there are any problem, feel free to contact us.



### Affiliates

Hsinchu, Taiwan:

Tai Cheng Hydraulic Industrial Co., Ltd. (Electrical, Mechanical equipment)

Hsinchu, Taiwan: Marlow Industrial Co., Ltd. (Hand tools)

Shanghai, China: Lu Zhen Oil Industrial Co., Ltd. (Electrical, Mechanical equipment)



## Hydraulic Pump 001-009

Electric, manual, pedal type pump  
Special type pump

## Multi-function Tool 010-014

## Battery-powered Tool 015-018

Battery-powered crimping and cutting tool

## Hydraulic Crimping Tool 019-030

Directly, separately crimping tool  
Crimping hand tool

## Hydraulic Cutting Tool 031-038

Directly, separately cutting tool  
Cutting hand tool  
Portable Band Saw Machine

## Hydraulic Punching Tool 039-042

Copper, aluminum, iron plate and angle steel  
punching tool  
C-channel steel ans switchboard punching tool

## Hydraulic Busbar Tool 043-048

Copper, aluminum, iron plate and angle steel  
processing tool  
Complex busbar tool

## Hydraulic Stainless Steel Pipe Bending Tool 049-050





Hydraulic Pipe and Cable Bending Tool 051-054

Hydraulic Screw Nut Cutting Tool 055-056

Directly, separately screw nut cutting tool

Hydraulic Wheel Pulling Tool 057-062

Directly, separately wheel pulling tool

Hydraulic Cylinder 063-072

General long and short cylinder, and flat cylinder

Single and double-acting, hollow plunger cylinder

Hydraulic bottle jack and toe jack

High Pressure Wire Stripper 073-076

Wire Releasing Tray 077-078

Cable Slipping Wheel Frame 079-080

Ratchet Puller & Wire Grip 081

Wire Pulling Net 082-083

Safety Protective Garment 084

Insulating gloves

Safety belt

Hydraulic Spare Parts 085-086

Couplers, switches and any kind of valves



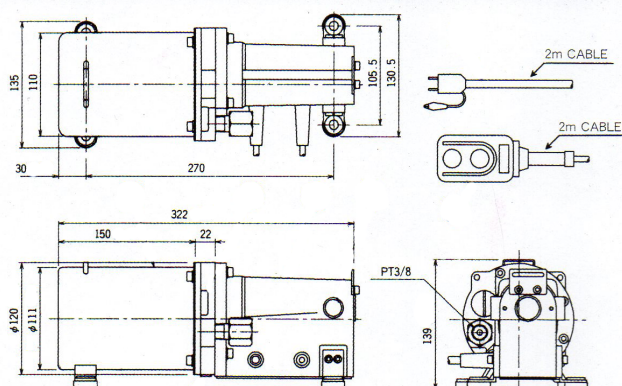
UP-35RH series are high efficiency, small size, light and with lots of advantages. This series can be coordinated with crimping, cutting, plate and tube bender and punching tools. Applicable to many work areas, like power equipment, building industry, shipbuilding vehicle, transport and testing and so on.

## UP-35RH-NC Single-action Power Pump UP-35RH-ARS Single-action Auto Oil Return Power Pump

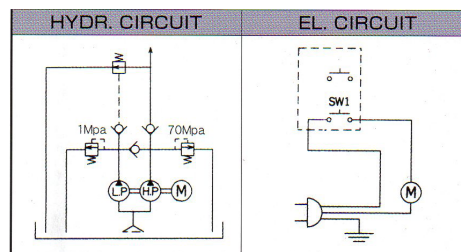
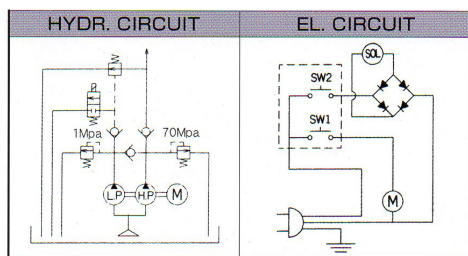
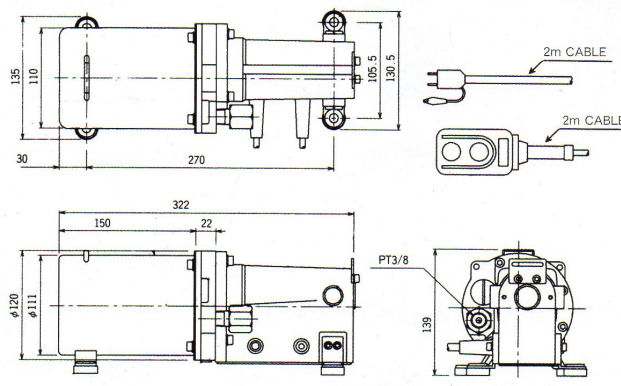


- ◆ High-pressure hydraulic power pump, accompanied with a variety of single-hole hydraulic tools, the maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ Electrical hydraulic pump is high speed oil providing, saving time and effort, high efficiency.
- ◆ UP35RH-NC with inching button switch.
- ◆ UP35RH-ARS with button switch which power-off automatically when the oil returning.
- ◆ With 2M high pressure hose.
- ◆ Applied voltage 110V (220V motor is also provided).
- ◆ Suitable for oil: R32 circulation oil.

UP-35RH-NC



UP-35RH-ARS



Item no.	Max. output pressure (kg/cm <sup>2</sup> /psi)	Output pressure (kg/cm <sup>2</sup> )	Output oil (L/min)	Voltage (V/Hz)	Motor (kw)	Oil storage (cc)	Weight (kg)
UP-35RH-NC	700/10000	Low 0-10 High 10-700	Low 2 High 0.2	110/60	0.35	1000	7.2
UP-35RH-ARS	700/10000	Low 0-10 High 10-700	Low 2 High 0.2	110/60	0.35	1000	7.2





## CTE-25AS Single-action Power Pump

## CTE-25ARS Single-action Auto Oil Return Power Pump

- ◆ High-pressure hydraulic power pump, accompanied with a variety of single-hole hydraulic tools, the maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ Electrical hydraulic pump is high speed oil providing, saving time and effort, high efficiency.
- ◆ CTE-25AS with inching button switch.
- ◆ CTE-25ARS with button switch which power-off automatically when the oil returning.
- ◆ With 2M high pressure hose, 360 degree rotation direction.
- ◆ Applied voltage 110V (220V motor is also provided).
- ◆ Large oil storage capacity, suitable for oil: R32 circulation oil.

## FEP-SSJ Single-action Power Pump

## FEP-SSJ-ARS Single-action Auto Oil Return Power Pump

- ◆ High-pressure hydraulic power pump, accompanied with a variety of single-hole hydraulic tools, the maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ Electrical hydraulic pump is high speed oil providing, saving time and effort, high efficiency.
- ◆ FEP-SSJ with inching button switch.
- ◆ FEP-SSJ-ARS with button switch which power-off automatically when the oil returning.
- ◆ With 2M high pressure hose, 360 degree rotation direction.
- ◆ Applied voltage 110V (220V motor is also provided).
- ◆ Large oil storage capacity, suitable for oil: R32 circulation oil.



Item no.	Max. output pressure (kg/cm <sup>2</sup> /psi)	Output pressure (kg/cm <sup>2</sup> )	Output oil (L/min)	Motor (kw)	Oil storage (cc)	Weight (kg)	L x W x H (mm)
CTE-25AS/ CTE-25ARS	700/10000	Low 0-20 High 20-700	Low 2.6 High 0.32	1	2700	14.8	235x255x410
FEP-SSJ/ FEP-SSJ-ARS	700/10000	Low 0-15 High 15-700	Low 2.2 High 0.2	1	2400	14.7	350x120x210



### CTE-25AG

#### Single-action Power Pump with Oil Gauge

- ◆ High-pressure hydraulic power pump, accompanied with a variety of single-hole hydraulic tools, the maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ Electrical hydraulic pump is high speed oil providing, saving time and effort, high efficiency.
- ◆ With inching button switch.
- ◆ With the high-pressure oil gauge to read the working pressure, to avoid overloading.
- ◆ With 2M high pressure hose, 360 degree rotation direction.
- ◆ Applied voltage 110V (220V motor is also provided).
- ◆ Large oil storage capacity, suitable for oil: R32 circulation oil.

### CTE-25ASPS-700

#### Single-action Power Pump with Pressure Regulating Valve

- ◆ High-pressure hydraulic power pump, accompanied with a variety of single-hole hydraulic tools, the maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ Electrical hydraulic pump is high speed oil providing, saving time and effort, high efficiency.
- ◆ With inching button switch.
- ◆ With pressure regulating valve can be preset pressure. Pressure reaches will automatically power-off.
- ◆ With 2M high pressure hose, 360 degree rotation direction.
- ◆ Applied voltage 110V (220V motor is also provided).
- ◆ Large oil storage capacity, suitable for oil: R32 circulation oil.
- ◆ CTE-25ARS also can accompany pressure regulating valve, motor will stop running automatically to protect the pump and the oil-returning automatically when the pressure reaches.



Item no.	Max. output pressure (kg/cm <sup>2</sup> /psi)	Output pressure (kg/cm <sup>2</sup> )	Output oil (L/min)	Motor (kw)	Oil storage (cc)	Weight (kg)	L x W x H (mm)
CTE-25AG	700/10000	Low 0-20 High 20-700	Low 2.6 High 0.32	1	2700	15.3	235x255x410
CTE-25ASPS-700	700/10000	Low 0-20 High 20-700	Low 2.6 High 0.32	1	2400	15.4	235x255x410



## CTE-25AD Double-action Power Pump

- ◆ High-pressure hydraulic power pump, accompanied with a variety of single and double hole hydraulic tools. With manual switch: SMVT-43.
- ◆ In case of using large-tonnage hydraulic tool or long-stroke (Ex: more than 50 Ton, or above 120 mm stroke), due to the limited spring tension, oil return slowly, so use double-action hydraulic pump to increase the oil return speed.
- ◆ The maximum output pressure of oil inlet and return is 700kgf / cm<sup>2</sup> (10000psi), so the pressure load of oil return can generate the same tonnage.
- ◆ Electric hydraulic pump oil provide quickly, saving time and effort, high efficiency.
- ◆ With inching button switch.
- ◆ With two pieces of 2M high pressure hoses.
- ◆ Applied voltage 110V (220V motor is also provided).
- ◆ Large oil storage capacity, suitable for oil: R32 circulation oil.

## CTE-25ADV Double-action Power Pump with Double Solenoid Valve

- ◆ High-pressure hydraulic power pump, accompanied with a variety of double-hole hydraulic tools. Set with two solenoid valves to control the oil inlet and return.
- ◆ In case of using large-tonnage hydraulic tool or long-stroke (Ex: more than 50 Ton, or above 120 mm stroke), due to the limited spring tension, oil return slowly, so use double-action hydraulic pump to increase the oil return speed.
- ◆ The maximum output pressure of oil inlet and return is 700kgf / cm<sup>2</sup> (10000psi), so the pressure load of oil return can generate the same tonnage.
- ◆ Electric hydraulic pump oil provide quickly, saving time and effort, high efficiency.
- ◆ With the high-pressure oil gauge to read the working pressure, to avoid overloading.
- ◆ With inching button switch.
- ◆ With two pieces of 2M high pressure hoses.
- ◆ Applied voltage 110V (220V motor is also provided).
- ◆ Large oil storage capacity, suitable for oil: R32 circulation oil.



Item no.	Max. output pressure (kg/cm <sup>2</sup> /psi)	Output pressure (kg/cm <sup>2</sup> )	Output oil (L/min)	Motor (kw)	Oil storage (cc)	Weight (kg)	L x W x H (mm)
CTE-25AD	700/10000	Low 0-20 High 20-700	Low 2.6 High 0.32	1	2700	17.8	340x255x410
CTE-25ADV	700/10000	Low 0-20 High 20-700	Low 2.6 High 0.32	1	2400	22.2	185x310x460



### CP-700 Manual Pump

- ◆ High-pressure hydraulic manual pump, accompanied with a variety of single-hole hydraulic tools, the maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ Fast, easy to carry, suitable for non-power workplace.
- ◆ Pressure can be held, the internal design with high-pressure safety relief valve.
- ◆ With 2M high pressure hose.
- ◆ Suitable for oil: R32 circulation oil.

### CP-700-G Manual Pump with Oil Gauge

- ◆ High-pressure hydraulic manual pump, accompanied with a variety of single-hole hydraulic tools, the maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ Fast, easy to carry, suitable for non-power workplace.
- ◆ Pressure can be held, the internal design with high-pressure safety relief valve.
- ◆ With the high-pressure oil gauge to read the working pressure, to avoid overloading.
- ◆ With 2M high pressure hose.
- ◆ Suitable for oil: R32 circulation oil.



### CP-700-D Double-action Manual Pump

- ◆ High-pressure hydraulic manual pump, accompanied with a variety of single and double hole hydraulic tools. With manual switch: SMVT-43.
- ◆ In case of using large-tonnage hydraulic tool or long-stroke (Ex: more than 50 Ton, or above 120 mm stroke), due to the limited spring tension, oil return slowly, so use double-action hydraulic pump to increase the oil return speed.
- ◆ The maximum output pressure of oil inlet and return is 700kgf / cm<sup>2</sup> (10000psi), so the pressure load of oil return can generate the same tonnage.
- ◆ Fast, easy to carry, suitable for non-power workplace.
- ◆ Pressure can be held, the internal design with high-pressure safety relief valve.
- ◆ With 2M high pressure hose.
- ◆ Suitable for oil: R32 circulation oil.

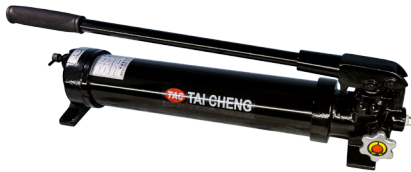


Item no.	Max. output pressure (kg/cm <sup>2</sup> / psi)	Output pressure (kg/cm <sup>2</sup> )	Output oil (L/min)	Oil storage (cc)	Weight (kg)	L x W x H (mm)
CP-700	700/10000	Low 0-25 High 25-700	Low 1.3 High 2.3	900	8.3	520x135x150
CP-700-G	700/10000	Low 0-25 High 25-700	Low 1.3 High 2.3	900	8.8	630x135x150
CP-700-D	700/10000	Low 0-25 High 25-700	Low 1.3 High 2.3	900	9.9	690x135x150



## CP-700-2A

### Large Oil Capacity Manual Pump

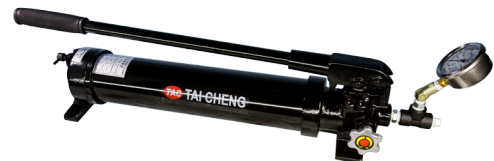


- ◆ High-pressure hydraulic manual pump, accompanied with a variety of single-hole hydraulic tools, the maximum output pressure is 700kgf / cm<sup>2</sup>(10000psi).
- ◆ Fast, easy to carry, suitable for non-power workplace.
- ◆ Pressure can be held, the internal design with high-pressure safety relief valve.
- ◆ With 2M high pressure hose.
- ◆ Large oil storage capacity, suitable for large tonnage or long stroke hydraulic tools.
- ◆ Suitable for oil: R32 circulation oil.

## CP-700-2A-G

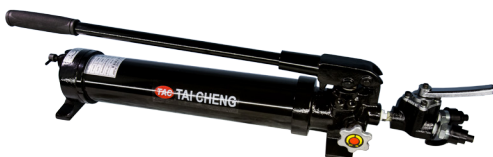
### Large Oil Capacity Manual Pump with Oil Gauge

- ◆ High-pressure hydraulic manual pump, accompanied with a variety of single-hole hydraulic tools, the maximum output pressure is 700kgf / cm<sup>2</sup>(10000psi).
- ◆ Fast, easy to carry, suitable for non-power workplace.
- ◆ Pressure can be held, the internal design with high-pressure safety relief valve.
- ◆ With the high-pressure oil gauge to read the working pressure, to avoid overloading.
- ◆ With 2M high pressure hose.
- ◆ Large oil storage capacity, suitable for large tonnage or long stroke hydraulic tools.
- ◆ Suitable for oil: R32 circulation oil.



## CP-700-2A-D

### Double-action, large oil capacity hand pump



- ◆ High-pressure hydraulic manual pump, accompanied with a variety of single and double hole hydraulic tools. With manual switch: SMVT-43.
- ◆ In case of using large-tonnage hydraulic tool or long-stroke (Ex: more than 50 Ton, or above 120 mm stroke), due to the limited spring tension, oil return slowly, so use double-action hydraulic pump to increase the oil return speed.
- ◆ The maximum output pressure of oil inlet and return is 700kgf / cm<sup>2</sup>(10000psi), so the pressure load of oil return can generate the same tonnage.
- ◆ Fast, easy to carry, suitable for non-power workplace.
- ◆ Pressure can be held, the internal design with high-pressure safety relief valve.
- ◆ With 2M high pressure hose.
- ◆ Large oil storage capacity, suitable for large tonnage or long stroke hydraulic tools.
- ◆ Suitable for oil: R32 circulation oil.

Item no.	Max. output pressure (kg/cm <sup>2</sup> /psi)	Output pressure (kg/cm <sup>2</sup> )	Output oil (L/min)	Oil storage (cc)	Weight (kg)	L x W x H (mm)
CP-700-2A	700/10000	Low 0-25 High 25-700	Low 1.3 High 2.3	2100	12.2	610x150x150
CP-700--2A-G	700/10000	Low 0-25 High 25-700	Low 1.3 High 2.3	2100	12.7	720x150x150
CP-700--2A-D	700/10000	Low 0-25 High 25-700	Low 1.3 High 2.3	2100	13.8	780x150x150



### CFP-800-1 Pedal Pump

- ◆ High-pressure hydraulic pedal pump, accompanied with a variety of single-hole hydraulic tools, the maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ Fast, easy to carry, suitable for non-power workplace.
- ◆ Pressure can be held, the internal design with high-pressure safety relief valve.
- ◆ With 2M high pressure hose.
- ◆ Suitable for oil: R32 circulation oil.

### CFP-800-1-G Pedal Pump with Oil Gauge

- ◆ High-pressure hydraulic pedal pump, accompanied with a variety of single-hole hydraulic tools, the maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ Fast, easy to carry, suitable for non-power workplace.
- ◆ Pressure can be held, the internal design with high-pressure safety relief valve.
- ◆ With the high-pressure oil gauge to read the working pressure, to avoid overloading.
- ◆ With 2M high pressure hose.
- ◆ Suitable for oil: R32 circulation oil.



### CFP-800-1-D Double-action Pedal Pump

- ◆ High-pressure hydraulic pedal pump, accompanied with a variety of single and double hole hydraulic tools. With manual switch: SMVT-43.
- ◆ In case of using large-tonnage hydraulic tool or long-stroke (Ex: more than 50 Ton, or above 120 mm stroke), due to the limited spring tension, oil return slowly, so use double-action hydraulic pump to increase the oil return speed.
- ◆ The maximum output pressure of oil inlet and return is 700kgf / cm<sup>2</sup> (10000psi), so the pressure load of oil return can generate the same tonnage.
- ◆ Fast, easy to carry, suitable for non-power workplace.
- ◆ Pressure can be held, the internal design with high-pressure safety relief valve.
- ◆ With 2M high pressure hose.
- ◆ Suitable for oil: R32 circulation oil.



Item no.	Max. output pressure (kg/cm <sup>2</sup> / psi)	Output pressure (kg/cm <sup>2</sup> )	Output oil (L/min)	Oil storage (cc)	Weight (kg)	L x W x H (mm)
CFP-800-1	700/10000	Low 0-25 High 25-700	Low 1.3 High 2.3	400	10.4	480x155x250
CFP-800-1-G	700/10000	Low 0-25 High 25-700	Low 1.3 High 2.3	400	10.9	590x155x250
CFP-800-1-D	700/10000	Low 0-25 High 25-700	Low 1.3 High 2.3	400	12	650x155x250



## CFP-800 Pedal Pump

- ◆ High-pressure hydraulic pedal pump, accompanied with a variety of single-hole hydraulic tools, the maximum output pressure is 700kgf / cm<sup>2</sup>(10000psi).
- ◆ Fast, easy to carry, suitable for non-power workplace.
- ◆ Pressure can be held, the internal design with high-pressure safety relief valve.
- ◆ With 2M high pressure hose.
- ◆ Large oil storage capacity, suitable for large tonnage or long stroke hydraulic tools.
- ◆ Suitable for oil: R32 circulation oil.

## CFP-800-G Pedal Pump with Oil Gauge

- ◆ High-pressure hydraulic manual pump, accompanied with a variety of single-hole hydraulic tools, the maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ Fast, easy to carry, suitable for non-power workplace.
- ◆ Pressure can be held, the internal design with high-pressure safety relief valve.
- ◆ With the high-pressure oil gauge to read the working pressure, to avoid overloading.
- ◆ With 2M high pressure hose.
- ◆ Large oil storage capacity, suitable for large tonnage or long stroke hydraulic tools.
- ◆ Suitable for oil: R32 circulation oil.



## CFP-800-D Double-action, Large Oil Capacity Pedal Pump

- ◆ High-pressure hydraulic pedal pump, accompanied with a variety of single and double hole hydraulic tools. With manual switch: SMVT-43.
- ◆ In case of using large-tonnage hydraulic tool or long-stroke (Ex: more than 50 Ton, or above 120 mm stroke), due to the limited spring tension, oil return slowly, so use double-action hydraulic pump to increase the oil return speed.
- ◆ The maximum output pressure of oil inlet and return is 700kgf / cm<sup>2</sup> (10000psi), so the pressure load of oil return can generate the same tonnage.
- ◆ Fast, easy to carry, suitable for non-power workplace.
- ◆ Pressure can be held, the internal design with high-pressure safety relief valve.
- ◆ With 2M high pressure hose.
- ◆ Suitable for oil: R32 circulation oil.



Item no.	Max. output pressure (kg/cm <sup>2</sup> /psi)	Output pressure (kg/cm <sup>2</sup> )	Output oil (L/min)	Oil storage (cc)	Weight (kg)	L x W x H (mm)
CFP-800	700/10000	Low 0-25 High 25-700	Low 1.3 High 2.3	2100	12.6	480x155x250
CFP-800-G	700/10000	Low 0-25 High 25-700	Low 1.3 High 2.3	2100	13.1	590x155x250
CFP-800-D	700/10000	Low 0-25 High 25-700	Low 1.3 High 2.3	2100	14.2	650x155x250

## CP-180

### Mini Manual Pump



- ◆ High-pressure hydraulic manual pump, accompanied with a variety of single-hole hydraulic tools, the maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ Fast, easy to carry, suitable for non-power workplace.
- ◆ Pressure can be held, the internal design with high-pressure safety relief valve.
- ◆ With 1M high pressure hose.
- ◆ Suitable for oil: R32 circulation oil.

Item no.	Max. output pressure (kg/cm <sup>2</sup> /psi)	Output pressure (kg/cm <sup>2</sup> )	Output oil (L/min)	Oil storage (cc)	Weight (kg)	L x W x H (mm)
CP-180	700/10000	High 25-700	High 2.3	220	4	330x110x90

## AT-16/AT-30

### Pneumatic Hydraulic Pump

- ◆ High efficiency pump designed, could be used after inlet 3-8 bar air.
- ◆ Casting pump, heavy building, strong and sturdy.
- ◆ Double speed designed saving operation time.
- ◆ Safety valve designed inside the pump, to prevent over-loading.
- ◆ Pressure: 700bar, hose with 3/8" NPT coupler.
- ◆ High oil capacity, suitable for large tonnage or long lift hydraulic jacks and tools.
- ◆ Suitable for oil: R32 circulation oil.



Item no.	Mold	Oil storage (L)	Pressure (Bar)		Output oil (L/min)		Weight (kg)	L x W x H (mm)
			No loading	High	No loading	High		
AT-16	Single-action	1.6	0	700	1.28	0.16	6.3	242x111x205
AT-30		3.0					9.8	290x115x209

## BP-66

### Battery-powered Hydraulic Pump



Battery



Charger

- ◆ The biggest advantage of rechargeable electric hydraulic pump is the battery can be used to do on-site repair operations while the absence of power.
- ◆ High-pressure hydraulic power pump, accompanied with a variety of single-hole hydraulic tools, the maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ AC voltage converted to DC voltage, the input AC 110V turn out 14.4VDC battery.
- ◆ Rescue tools, lightweight and easy to carry when lack of power, with 1.8M hose, battery and charger set (14.4V Capacity 3.0AH).
- ◆ Optional accessories (battery, charger, power adapter).

Item no.	Max. output pressure (kg/cm <sup>2</sup> /psi)	Output pressure (kg/cm <sup>2</sup> )	Output oil (L/min)	Motor (kw)	Oil storage (cc)	Weight (kg)	L x W x H (mm)
BP-66	700/10000	Low 0-2 High 2-700	Low 0.5 High 0.15	0.65	700	6.6	355x260x160



## Multi-function hydraulic series

The multi-function hydraulic tool with kinds of function: terminal crimping, stainless steel pipe crimping, cable cutting, screw bar cutting, screw nut breaker and many other functions in one tool. Easy mold replacement, light weight of accessories. Multi-function is different from traditional single-type hydraulic tools, which greatly reduced labor costs, and has the advantages of lower investment and higher returns.



### REC-5250M Battery-powered Main Skin

- ◆ High-pressure battery-powered main skin, using DC voltage drive motor, making the high tonnage output. The maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ Easy to operate, lightweight, easy to carry, suitable for emergency work in construction site.
- ◆ Pressure can be held, the internal design with high-pressure safety relief valve.
- ◆ Alloyed steel head, available be rotated 180 degrees, with a variety of angles.

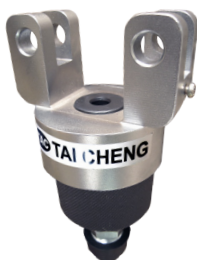
Item no.	Output (Ton)	(VDC)	Weight (kg)	Accessory
REC-5250M	10	18	4.3	Battery x1, Charger x1



### CYO-5250M Direct Main Skin

- ◆ High pressure direct type hydraulic compressed tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ Easy to operate and carry, suitable for high-altitude operations.
- ◆ The operating grips are FRP material, can insulated 20KV/ 5 minutes.
- ◆ Pressure can be held, the internal design with high-pressure safety relief valve.
- ◆ 180 degrees rotatable head, can make use of variety of angles.

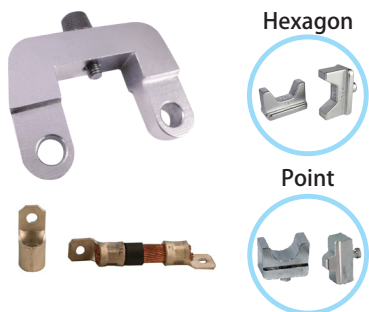
Item no.	Output (Ton)	Weight (kg)
CYO-5250M	12	4.5



### CO-5250M Separate Main Skin

- ◆ Lightweight, easy to operate, easy to carry
- ◆ The head made of high carbon steel, heat treated hardness after all, not easily deformed
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).

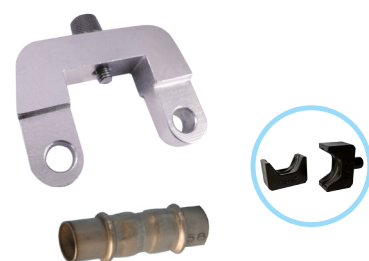
Item no.	Output (Ton)	Weight (kg)
CO-5250M	10	2.5



## 250AT-T250 Terminal Crimping

- ◆ □ -shaped opening, die replaceable, hexagonal dies, maximum size 250mm<sup>2</sup>, point die for purchasing separately.
- ◆ Dies can be customized.

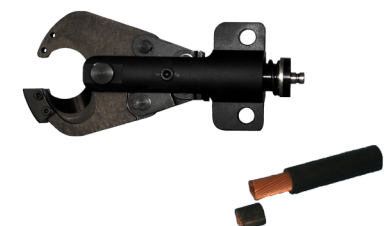
Item no.	Weight (kg)	Crimping Capacity (mm <sup>2</sup> )	Type
250AT-T250	3	16,25,35,50,70,95,120,150,185,240	Point/Hexagon



## 250AT-25SU Stainless Steel Tube Crimping

- ◆ Replaceable dies, accessorizing 13SU(1/2" ), 20SU(3/4" ), 25SU(1"), for general engineering.

Item no.	Weight (kg)	Available Tube Size
250AT-25SU	1.45	13SU(1/2"),20SU(3/4"),25SU(1")



## 250AT-30YCN Cable Cutter (soft type)

- ◆ The blade is made of special alloy steel, suitable for soft wire and communication cable cutting.
- Maximum opening:30mm (240mm<sup>2</sup>).

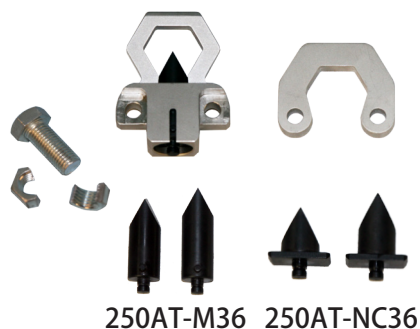
Item no.	Weight (kg)	Cutting Capacity (mm)	
		Co/Al Wire	Cable
250AT-30YCN	1.55	Ø30	Ø30



## 250AT-13WT Thread Rod Cutter

- ◆ Flat cutting surface without burrs after cutting, nut can be screwed in smoothly.
- ◆ Suitable for cutting soft steel, with W3/8" and W1/2" cutting dies.

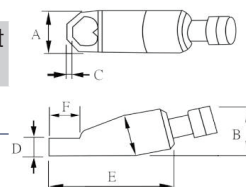
Item no.	Weight (kg)	Cutting Capacity (mm)
250AT-13WT	0.75	W3/8" & W1/2"



## 250AT-M36 & 250AT-NC36 Screw-nut Breaker

- ◆ The cutter head is made of alloy steel, accessory long and short cutting blades, which can break all kinds of nuts (without hardness).
- ◆ Suitable for breaking nut range M10-M24, side-distance size 16-36mm.
- ◆ 250AT-M36 hatchback design that can be used on the ground or in special angle spaces.
- ◆ 250AT-NC36 is simple, lightweight and more economical.

Item no.	Weight (kg)	Availble Bolt	Available Nut (mm)
250AT-M36	0.88	M10-M24	A/F 16-36
250AT-NC36	0.35	M10-M24	A/F 16-36





### 250AT-25WA Wire Cutter (hard type)

- ◆ Suitable for cutting wire, cable and iron rod, maximum cutting capacity: wire Ø25mm, iron rod Ø16mm.
- ◆ The blades are made of alloy steel and heat treatment, not easily deformed.

Item no.	Weight (kg)	Cutting Capacity (mm)
250AT-25WA	2.1	Wire Ø25, Iron bar Ø16



### 250AT-13ST Reinforcement Cutter (hard type)

- ◆ Suitable for cutting reinforcement, iron chains, maximum cutting capacity: reinforcement & iron bar 1/2" (Ø13mm).
- ◆ The blades are made of alloy steel and heat treatment, not easily deformed.

Item no.	Weight (kg)	Cutting Capacity (mm)
250AT-13ST	2.67	Iron chain & Iron bar 1/2" (Ø13)



### 250AT-FM10 Spreader

- ◆ Spread objects, suitable for rescue and other public security accidents.
- ◆ The head material is made of alloy steel, heat treatment, not easily deformed.
- ◆ The maximum tonnage is 10 tons, and the opening range is 5-140mm.
- ◆ Beveled-step design make each step could bear maximum loading.

Item no.	Weight (kg)	Spread Range (mm)	Max. Spread Cap. (Ton)
250AT-FM10	2.13	5-140	10



### 250AT-10IN Wheel Puller

- ◆ The cylinder and claws frame are made of high-strength alloy steel, which is not easy to be deformed.
- ◆ With two and three claws combination, it can be used freely in different working environments.
- ◆ Quick positioning adjustment nut design for improved efficiency, saving time and effort.

Item no.	Ton	拉拔深度(mm)	拉拔外径(mm)	行程(mm)	延长杆长度(mm)	活塞端规格(mm)
250AT-10IN	10	210	30-250/355	82-160	20 7 26	85 50 28

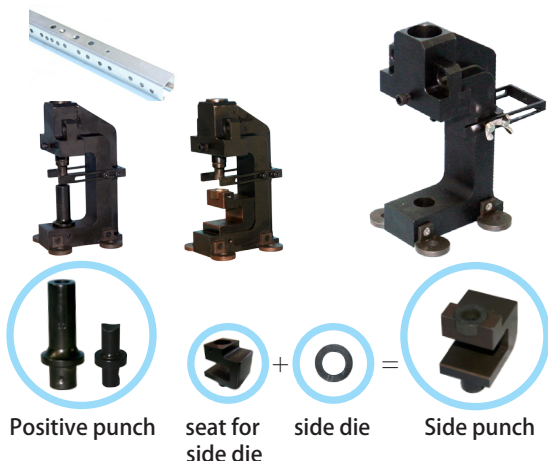


### 250AT-50AC Angle Steel Cutter

- ◆ Suitable for cutting angle iron, maximum cutting capacity: 50x50x4mm
- ◆ The blades are made of alloy steel, heat treatment, not easily deformed.

Item no.	Weight (kg)	Cutting Capacity (mm)
250AT-50AC	4.46	Angle steel 50x50x4 Stainless steel t2





## 250AT-13CP C channel Steel Punching

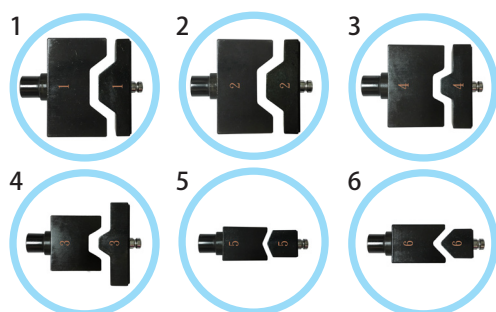
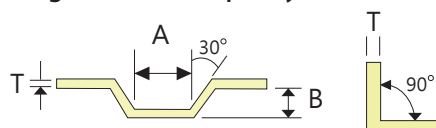
- ◆ Suitable for C channel steel, angle steel, iron plate, stainless steel plate.
- ◆ Maximum punching capacity: iron  $\varnothing 13 \times 3 \text{mm}$ , stainless steel  $\varnothing 13 \times 2 \text{mm}$ .
- ◆ Specialized in punching C channel steel, positive azimuth hole, also has side punching die for optional.
- ◆ Applicable C channel steel size: 41x41mm and 41x25mm.

Item no.	Depth (mm)	Max. Punch Cap. (mm)	Accessry Die (mm)
250AT-13CP	40	Iron t3, Stainless steel t2	$\varnothing 7, \varnothing 10, \varnothing 13$



## 250AT-25CB Multifunctional Copper Bending & Terminal Crimping

- ◆ Multifunction, bending copper plate to  $\Gamma$  shape, L shape and terminal pressing.
- ◆ Dies replaceable, the maximum bending capacity: 30x5mm, the width of the copper bar is 25mm; pressing maximum capacity: 38mm<sup>2</sup>.



No.	A	B	T (mm)
1	30	15	3-5
2	27	15	5
3	20	10	Under 3
4	16	10	5
5	-	-	3-5
6	Crimping 8-38mm <sup>2</sup>		

250AT-104I



250AT-104II



## 250AT-104I&II Switchboard Punching

- ◆ Suitable for using in punching switchboard, sheet metal, switch cabinet, or modify new holes.
- ◆ Efficient operation, without burr, dent and spark.
- ◆ Maximum punching capacity: 4" ( $\varnothing 115.3 \text{mm}$ ); iron plate t3mm, stainless steel plate t1.2mm.
- ◆ Accessory punching head, dies for optional.

Item no.	Max. Punching Cap. (mm)	Accessry Dies (mm)
250AT-104I	Iron t3, Stainless steel t1.2	1/2"(22).3/4"(27.5).1"(34.3). 1-1/4"(43).1-1/2"(49).2"(60.8)
250AT-104II	Iron t3, Stainless steel t1.2	2-1/2"(76.6).3"(89.4). 3-1/2"(102.6).4"(115.3)

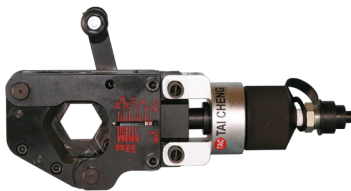


Applicable to R-type terminal, transformer, switchboard, switchgear cabinet, copper-aluminum bushing, non-standard conductor, wire, especially for HYPALON cable and various fields for perfect crimping.



## 250AT-HEX300-50 Die-less Terminal Crimping

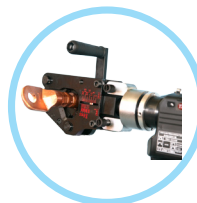
- ◆ This product is suitable for crimping terminals of different specifications in Europe, America and Japan.
- ◆ After crimping, the appearance is perfect hexagonal shape, which meets the requirements of physical and electrical test.
- ◆ Die-less, hexagonal crimping without burr.
- ◆ Instead of the traditional two-piece fixed dies, six sides shrink at the same time, the terminal is not bent and deformed after crimping, the tensile force can reach the standard, the conductivity is good, the resistance is small, and it is not easy to burn.



Terminal size and stroke display



Liftable opening



Operation view



Perfect hexagonal shape

It	Stroke (mm)	Crimping Range (mm <sup>2</sup> )	Crimping Width (mm)	Max. Opening (mm)	Weight (kg)
250AT-HEX300-50	30	38-250	7	36	4.3

Battery-powered hydraulic tool as a trend in the future, you can save the traditional human consumption as well as improve efficiency and rescue, which is a good helper in construction site, using 18V DC voltage drive motor, fast oil inlet for both high and low pressure, can easily operate at aloft works and increase efficiency. The shell is also made of reinforced PVC material, not easy to damage, be used with lithium battery and improve work efficiency.

## REC-150S



- ◆ High-pressure battery-powered crimping tool, using DC voltage drive motor, making the high tonnage output. The maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ Easy to operate, lightweight, easy to carry, suitable for emergency work in construction site.
- ◆ Hydraulic system designed with safety overload protection device, not easy to damage and have security.
- ◆ Accessory die can be replaced, point crimping, maximum size: 150mm<sup>2</sup>.
- ◆ Die can be customized special size.

## REC-250H

- ◆ High-pressure battery-powered crimping tool, using DC voltage drive motor, making the high tonnage output. The maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ Easy to operate, lightweight, easy to carry, suitable for emergency work in construction site.
- ◆ Hydraulic system designed with safety overload protection device, not easy to damage and have security.
- ◆ Accessory die can be replaced, hexagonal crimping, maximum size: 240mm<sup>2</sup>.
- ◆ H-shaped opening, the head can be rotated 180 degrees, with a variety of angles.
- ◆ Die can be customized special size.



Item no.	Output (Ton)	Weight (kg)	(VDC)	JIS	AWG	DIN	Accessory Dies (mm <sup>2</sup> )	Type
REC-150S	10	4.7	18	150	300	185	Male 16-70,95-150 Female 16-25,50-70,95-120,150	Point
REC-250H	10	4.3	18	250	500	240	16,25,35,50,70,95,120,150,185,240	Point Hexagon



## REC-250C

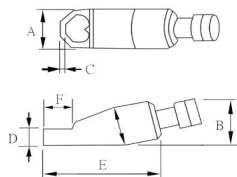
- ◆ High-pressure battery-powered crimping tool, using DC voltage drive motor, making the high tonnage output. The maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ Easy to operate, lightweight, easy to carry, suitable for emergency work in construction site.
- ◆ Hydraulic system designed with safety overload protection device, not easy to damage and have security.
- ◆ Accessory die can be replaced, hexagonal crimping, maximum size: 240mm<sup>2</sup>.
- ◆ C-shaped opening, the head can be rotated 180 degrees, with a variety of angles.
- ◆ Die can be customized special size.

## REC-400

- ◆ High-pressure battery-powered crimping tool, using DC voltage drive motor, making the high tonnage output. The maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ Easy to operate, lightweight, easy to carry, suitable for emergency work in construction site.
- ◆ Hydraulic system designed with safety overload protection device, not easy to damage and have security.
- ◆ Accessory die can be replaced, hexagonal crimping, maximum size: 400mm<sup>2</sup>.
- ◆ C-shaped opening is 30mm, suitable for crimping terminal, C-type, H-type terminal.
- ◆ The head can be rotated 180 degrees, with a variety of angles.
- ◆ Die can be customized special size.



Item no.	Output (Ton)	Weight (kg)	(VDC)	JIS	AWG	DIN	Accessory Dies (mm <sup>2</sup> )	Type
REC-250C	10	4.5	18	250	500	240	16,25,35,50,70,95,120,150,185,240	Hexagon
REC-400	12	7	18	325	750	400	50,70,95,120,150,185,240,300,400	Hexagon



## REC-5250M 250AT-M36

### Battery-powered Hydraulic Screw Nut Breaker

- ◆ High-pressure battery-powered cutting tool, using DC voltage drive motor, making the high tonnage output. The maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ Easy to operate, lightweight, easy to carry, suitable for emergency work in construction site.
- ◆ Hydraulic system designed with safety overload protection device, not easy to damage and have security.
- ◆ The cutter head is made of alloy steel, accessory long and short cutting blades, which can break all kinds of nuts (without hardness).
- ◆ Suitable for breaking nut range M10-M24, side-distance size 16-36mm.

## REC-40 Battery-powered Hydraulic Cutter

- ◆ High-pressure battery-powered cutting tool, using DC voltage drive motor, making the high tonnage output. The maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ Easy to operate, lightweight, easy to carry, suitable for emergency work in construction site.
- ◆ Hydraulic system designed with safety overload protection device, not easy to damage and have security.
- ◆ Suitable for cutting cables, copper and aluminum wire, ACSR, iron rods, cables, telephone lines and other multi-purpose.
- ◆ Special blade can be customized for different purposes.
- ◆ Maximum cutting capacity: wire Ø25mm, iron bar Ø20mm, aluminum/copper Ø38mm, phone line/cable Ø38mm, ACSR Ø38mm.



Item no.	Output (Ton)	Weight (kg)	(VDC)	Availble Bolt	Available Nut (mm)
REC-5250M 250AT-M36	10	5.2	18	M10-M24	A/F 16-36
Item no.	Output (Ton)	Weight (kg)	(VDC)	Cutting Capacity	
REC-40	12	6.9	18	Wire Ø25mm, Iron bar Ø20mm, Co/Al cable Ø38mm, ACSR Ø38mm	





## BEC-50L

### Battery-powered Hydraulic Cable Cutter

- ◆ Use DC voltage to drive motor, by using mechanical ratchet to cut cable, fast cutting, lightweight and save effort.
- ◆ Suitable for cutting cable, maximum cutting capacity:  $\varnothing 50\text{mm} / 500\text{mm}^2$ .
- ◆ The head material is made of alloy steel, heat treatment, not easily deformed.

## BEC-32Y

### Battery-powered Hydraulic Cable Cutter

- ◆ Use DC voltage to drive motor, by using mechanical ratchet to cut cable, fast cutting, lightweight and save effort.
- ◆ Scissors-type designed, opening: 32mm.
- ◆ Suitable for operating in narrow space.
- ◆ Suitable for cutting cable, maximum cutting capacity:  $\varnothing 32\text{mm} / 325\text{mm}^2$ .
- ◆ The head material is made of alloy steel, heat treatment, not easily deformed.



Item no.	Weight (Kg)	(VDC)	Cutting Capacity
BEC-50L	2.8	18	Co/Al cable $\varnothing 50\text{mm}/500\text{mm}^2$
BEC-32Y	3.5	18	Co/Al cable $\varnothing 32\text{mm}/325\text{mm}^2$

## Battery 18V 4.0AH

- ◆ BOSCH slide type lithium battery
- ◆ DC voltage: 18V
- ◆ Electricity storage: 4.0Ah
- ◆ For optional.



## Charger AL 1860CV

- ◆ BOSCH charging stand
- ◆ Output voltage: DC 18V
- ◆ Input voltage: 110V AC 50-60Hz
- ◆ Used with 14.4V 4.0Ah and 18V 4.0Ah batteries
- ◆ For optional.



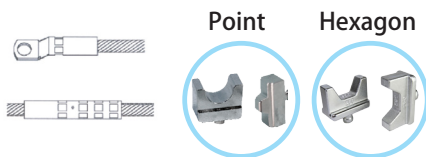
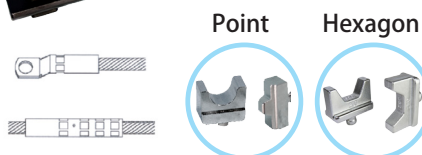


### CPO-150S

- ◆ High pressure direct type hydraulic compressed tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ Easy to operate and carry, suitable for high-altitude operations.
- ◆ Accessory dies can be replaced, point compression type, compression maximum size up to 150mm<sup>2</sup>.
- ◆ 180° rotatable head, can make use of variety of angles.

### CPO-240

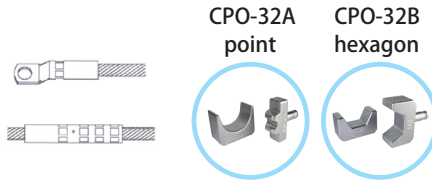
- ◆ High pressure direct type hydraulic compressed tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ Easy to operate and carry, suitable for high-altitude operations.
- ◆ Accessory dies can be replaced, hexagon compression type, compression maximum size up to 240mm<sup>2</sup>.
- ◆ H-shaped and 180° rotatable head, can make use of variety of angles.
- ◆ Able to customize dies in any sizes.



### CYO-240

- ◆ High pressure direct type hydraulic compressed tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ Easy to operate and carry, suitable for high-altitude operations.
- ◆ Accessory dies can be replaced, hexagon compression type, compression maximum size up to 240mm<sup>2</sup>.
- ◆ C-shaped and 180° rotatable head, can make use of variety of angles.
- ◆ Able to customize dies in any sizes.

Item no.	Output (Ton)	Weight (kg)	(VDC)	JIS	AWG	DIN	Accessory Dies (mm <sup>2</sup> )	Type
CPO-150S	10	4.6	4.7	150	300	185	Male 16-70,95-150 Female 16-25,50-70,95-120,150	Point
CPO-240	10	4.2	6.1	250	500	240	16,25,35,50,70,95,120,150,185,240	Point Hexagon
CYO-240	10	4.3	6.2	250	500	240	16,25,35,50,70,95,120,150,185,240	Point Hexagon

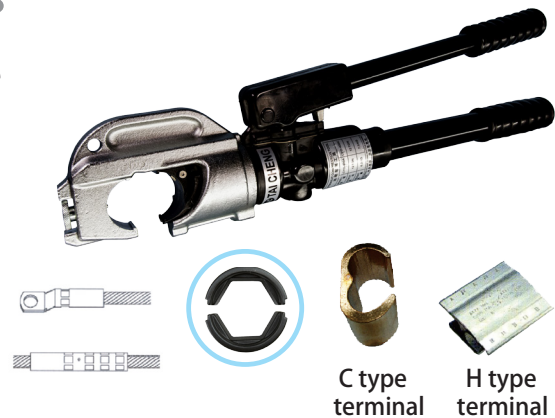


### CPO-400A(point) CPO-400B(hexagon)

- ◆ High pressure direct type hydraulic compressed tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ Easy to operate and carry, suitable for high-altitude operations.
- ◆ Accessory dies can be replaced, hexagon compression type, compression maximum size up to 400mm<sup>2</sup>.
- ◆ □ -shaped and 180° rotatable head, can make use of variety of angles.
- ◆ Able to customize dies in any sizes

### CYO-400A(Opening 30mm) CYO-400C(Opening 38mm)

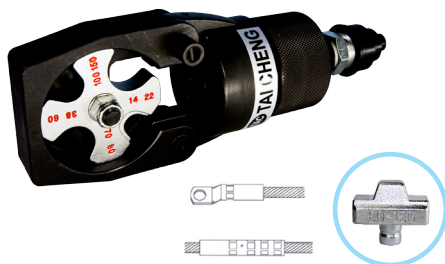
- ◆ High pressure direct type hydraulic compressed tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf / cm<sup>2</sup> (10000psi).
- ◆ Easy to operate and carry, suitable for high-altitude operations.
- ◆ C-shaped opening is 30mm and 38mm, suitable for crimping terminal, C-type, H-type terminal.
- ◆ The operating grips are FRP material, can insulated 20KV/ 5 minutes.
- ◆ Accessory die can be replaced, hexagonal crimping, maximum size: 400mm<sup>2</sup>.
- ◆ 180° rotatable head, can make use of variety of angles.
- ◆ Able to customize dies in any sizes



### CPO-500

- ◆ High pressure direct type hydraulic compressed tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ Easy to operate and carry, suitable for high-altitude operations.
- ◆ Accessory dies can be replaced, hexagon compression type, compression maximum size up to 500mm<sup>2</sup>.
- ◆ Also offer crimping pressure pipe molds be chose.
- ◆ □ -shaped and 180° rotatable head, can make use of variety of angles.

Item no.	Output (Ton)	Weight (kg)	(VDC)	JIS	AWG	DIN	Accessory Dies (mm <sup>2</sup> )	Type
CPO-400A	17	7	8.7	325	600	400	Male 16-70,95-150, 185-400 Female 16-25,35,50-70, 95,120,150,185-240,300,400	Point
CPO-400B	17	7	10.4	325	600	400	16-25,35,50-70, 95,120,150, 185-240,300,400	Hexagon
CYO-400A/ CYO-400C	12	6.2/ 6.9	7.8/ 8.5	325	600	400	50,70,95,120,150,185,240,300,400	Hexagon
CPO-500	20	7.5	12	500	100	500	70,95,120,150,185,240,300,400,500	Hexagon

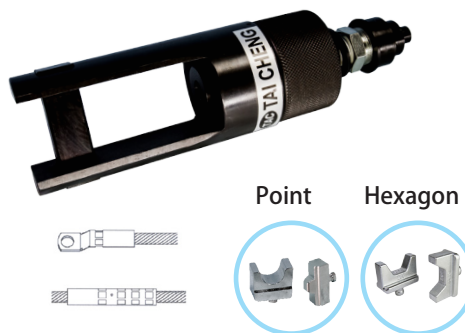


## CPO-150B

- ◆ Single-action compression tool, lightweight, easy to operate and carry.
- ◆ The material of tool made of high carbon steel, heat treatment, not easily deformed.
- ◆ Accessory dies can be replaced, point compression type, crimping maximum size up to 150mm<sup>2</sup>.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).

## CPO-240B

- ◆ Single-action compression tool, lightweight, easy to operate and carry.
- ◆ The material of tool made of high carbon steel, heat treatment, not easily deformed.
- ◆ H-shaped head, accessory dies can be replaced, hexagon compression type, compression maximum size up to 240mm<sup>2</sup>.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize dies in any sizes



## CYO-240B

- ◆ Single-action compression tool, lightweight, easy to operate and carry.
- ◆ The material of tool made of high carbon steel, heat treatment, not easily deformed.
- ◆ C-shaped head, accessory dies can be replaced, hexagon compression type, compression maximum size up to 240mm<sup>2</sup>.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize dies in any sizes



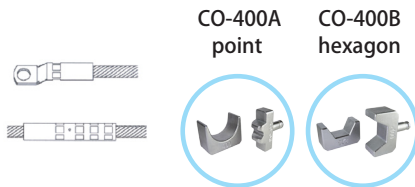
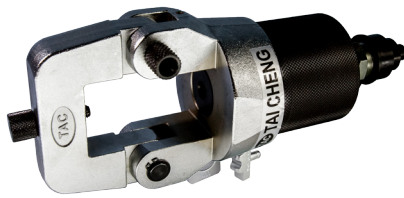
## FH-240B

- ◆ Single-action compression tool, lightweight, easy to operate and carry.
- ◆ The material of tool made of high carbon steel, heat treatment, not easily deformed.
- ◆ Lift opening head, accessory dies can be replaced, hexagon compression type, compression maximum size up to 240mm<sup>2</sup>.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize dies in any sizes



Item no.	Output (Ton)	Tool Weight (kg)	Wt. with dies (kg)	JIS	AWG	DIN	Accessory Dies (mm <sup>2</sup> )	Type
CPO-150B	10	3.3	3.4	150	300	185	Male 16-70,95-150 Female 16-25,50-70,95-120,150	Point
CPO-240B	10	3.3	4.7	250	500	240	16,25,35,50,70,95,120,150,185,240	Point Hexagon
CYO-240B	10	2.7	4.6	250	500	240	16,25,35,50,70,95,120,150,185,240	Point Hexagon
FH-240B	10	2.5	4.5	250	500	240	16,25,35,50,70,95,120,150,185,240	Hexagon



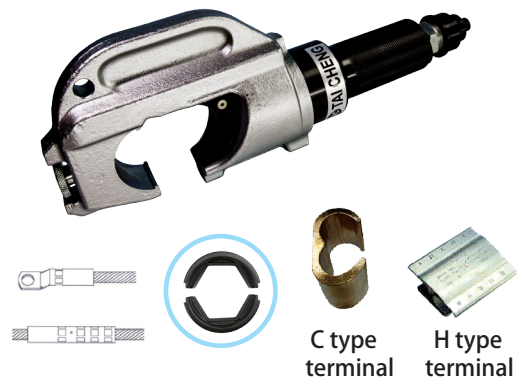


## CO-400A(point) CO-400B(hexagon)

- ◆ Single-action compression tool, lightweight, easy to operate and carry.
- ◆ The material of tool made of high carbon steel, heat treatment, not easily deformed.
- ◆  $\Gamma$ -shaped head, accessory dies can be replaced, hexagon compression type, compression maximum size up to 400mm<sup>2</sup>.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize dies in any sizes

## CYO-400B(Opening 30mm) CYO-400D(Opening 38mm)

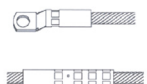
- ◆ Single-action compression tool, lightweight, easy to operate and carry.
- ◆ The material of tool made of high carbon steel, heat treatment, not easily deformed.
- ◆ C-opening 30mm and 38mm, attached to the mold can be replaced, hexagonal crimping, pressing the maximum size of 400mm<sup>2</sup>.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize dies in any sizes



## CO-500B

- ◆ Single-action compression tool, lightweight, easy to operate and carry.
- ◆ The material of tool made of high carbon steel, heat treatment, not easily deformed.
- ◆  $\Gamma$ -shaped head, accessory dies can be replaced, hexagon compression type, compression maximum size up to 500mm<sup>2</sup>.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize dies in any sizes

Item no.	Output (Ton)	Tool Weight (kg)	Wt. with dies (kg)	JIS	AWG	DIN	Accessory Dies (mm <sup>2</sup> )	Type
CO-400A	17	4.3	6	325	600	400	Male 16-70,95-150, 185-400 Female 16-25,35,50-70, 95,120,150,185-240,300,400	Point
CO-400B	17	4.3	7.7	325	600	400	16-25,35,50-70, 95,120,150, 185-240,300,400	Hexagon
CYO-400B/ CYO-400D	12	4.7/ 5.6	6.3/ 8.5	325	600	400	50,70,95,120,150,185,240,300,400	Hexagon
CO-500B	20	6.9	10.2	400	100	500	70,95,120,150,185,240,300,400,500	Hexagon

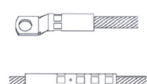
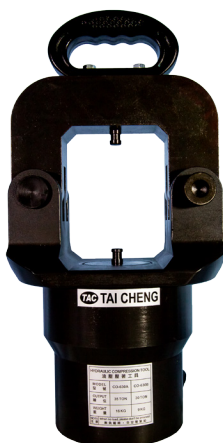
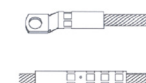


### CO-630A

- ◆ Single-action compression tool, lightweight, easy to operate and carry.
- ◆ The material of tool made of high carbon steel, heat treatment, not easily deformed.
- ◆  $\square$  -shaped head, accessory dies can be replaced, hexagon compression type, compression maximum size up to 630mm<sup>2</sup>.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Accessory a size of die, other dies for purchasing separately.

### CO-630B

- ◆ Single-action compression tool, lightweight, easy to operate and carry.
- ◆ The material of tool made of high carbon steel, heat treatment, not easily deformed.
- ◆ U-shaped head, accessory dies can be replaced, hexagon compression type, compression maximum size up to 630mm<sup>2</sup>.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Accessory a size of die, other dies for purchasing separately.



### CO-1000

- ◆ Single-action compression tool, lightweight, easy to operate and carry.
- ◆ The material of tool made of high carbon steel, heat treatment, not easily deformed.
- ◆  $\square$  -shaped head, accessory dies can be replaced, hexagon compression type, compression maximum size up to 1000mm<sup>2</sup>.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Accessory a size of die, other dies for purchasing separately.

Item no.	Output (Ton)	Tool Weight (kg)	Wt. with dies (kg)	JIS	AWG	DIN	Accessory Dies (mm <sup>2</sup> )	Type
CO-630A	35	15.4	17.1	500	1200	630	70-100,150,185, 240,300,400,500,630	Hexagon
CO-630B	30	9	10.1	500	1200	630	150,185,240,300,400,500,630	Hexagon
CO-1000	55	28.3	31.3	500	1200	630	240,300,400,500,630,800,1000	Hexagon

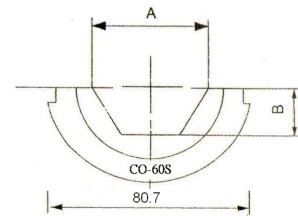
## Large tonnage series

Suitable for transmission and distribution projects, 60 to 200Tons terminal wire connectors, steel and aluminum casing, wire and other multi-purpose, also applies to 110 ~ 1000KV high pressure overhead or underground cable crimping use.



### CO-60S

- ◆ Single-action compression tool, lightweight, easy to operate and carry.
- ◆ The material of tool made of high carbon steel, heat treatment, not easily deformed.
- ◆ Hexagonal Crimping, crimping range reference parameters.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize dies in any sizes
- ◆ Accessory a size of die, other dies for purchasing separately.



Item no.	Output (Ton)	Crimping Capacity (mm <sup>2</sup> )	Stroke (mm)	Oil storage (cc)	Weight (kg)	Type
CO-60S	60	Copper Ø55, Aluminum Ø55, Steel Ø30	38.5	283	21.4	Hexagon

### CO-60S

Die no.	A (mm)	B (mm)	C (mm)
6010SH	15.9	6.9	32
6012SH	19.3	8.4	23.9
6014SH	22.2	9.5	25.4
6016SH	25.4	10.9	16.8
6018SH	28.6	12.3	15.2
6020SH	31.7	13.4	19
6075SH	10.7	4.6	35.1
6076SH	12.7	5.5	28.4
6020AH	31.8	13.5	59.7
6024AH	38.1	16.3	49.5
6027AH	42.8	18.2	43.2
6030AH	47.6	20.2	57
6034AH	54	23	46.2
6036AH	57.2	24.2	44.5
6074AH	20.8	8.7	62
6075AH	25.4	10.6	62
6076AH	30.2	12.6	61.2

### Steel Sleeve

Die no.	Applicable wire
6010SH	ACSR300(45/7),795(45/7),336.4(26/7)
6012SH	ACSR300(24/7),477(26/7),3/8"S.G.W.
6014SH	ACSR300(54/7),795(26/7),636(26/7),7NO.8 A.S.W.
6020SH	19NO.9A.W.
6075SH	ACSR300(18/1),795(18/1),336.4(6/1)
6076SH	ACSR300(26/7)

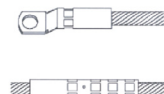
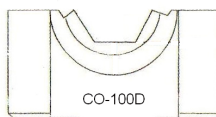
### Aluminum Sleeve

Die no.	Applicable wire
6020AH	ACSR336.4(26/7),AAC477(19)Ø3/8"AW
6024AH	ACSR477(26/7),ACC636(36)
6027AH	ACSR636(24/7,26/7),7NO.8 AW
6030AH	ACSR954(54/7,45/7),795(26/7)19NO.8A.W,AAC954(37)
6034AH	AAC1272(61)
6036AH	AAC1431(61),ACSR1272(45/7)
6075AH	ACSR4/0(6/1)
6076AH	ACSR300(26/7)



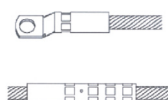
### CO-100D

- ◆ Double-action compression tool, lightweight, easy to operate and carry.
- ◆ The material of tool made of high carbon steel, heat treatment, not easily deformed.
- ◆ Hexagonal Crimping, crimping range reference parameters.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize dies in any sizes
- ◆ Accessory a size of die, other dies for purchasing separately.



### CO-200D

- ◆ Double -action compression tool, lightweight, easy to operate and carry.
- ◆ The material of tool made of high carbon steel, heat treatment, not easily deformed.
- ◆ Hexagonal Crimping, crimping range reference parameters.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize dies in any sizes
- ◆ Accessory a size of die, other dies for purchasing separately.



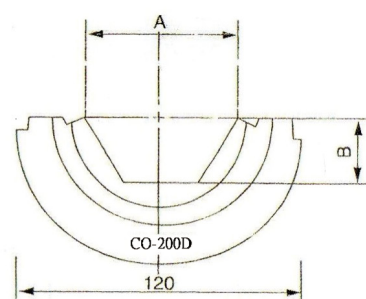
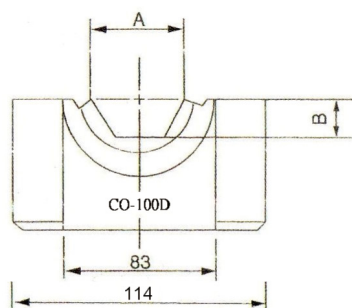
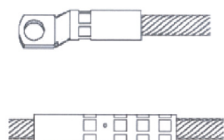
### Dies selection method of large tonnage crimping tool

Outer diameter of the terminal equal to the diagonal dimension of die.

This data is for reference only, specific size specifications subject to actual measured data.

Item no.	Output (Ton)	Crimping Capacity (mm <sup>2</sup> )	Stroke (mm)	Oil storage (cc)	Weight (kg)	Type
CO-100D	100	Copper Ø64, Aluminum Ø71, Steel Ø32	22	315	39.5	Hexagon
CO-200D	200	Copper Ø86, Aluminum Ø100, Steel Ø50	39	1130	104	Hexagon





## CO-100D/CO-200D

### Steel Sleeve

Die no.	A(mm)	B(mm)	C(mm)(100/200)
G8.5	8.5	3.7	50/70
G10	10	4.3	45/70
G12	12	5.2	40/70
G16	16	6.9	40/70
G18	18	7.8	35/70
G20	20	8.7	35/70
G22	22	9.5	30/70
G23	23	10	30/60
G24	24	10.4	30/60
G26	26	11.3	30/60
G28	28	12.1	28/60
G30	30	12.99	25/60
G32	32	13.9	25/50
G44	44	19.1	— /35
G50	50	21.7	— /30

### Aluminum Sleeve

Die no.	A(mm)	B(mm)	C(mm)(100/200)
L22	22	9.5	75/128
L26	26	11.3	75/128
L30	30	12.5	75/128
L34	34	14.2	75/128
L38	38	16	75/128
L42	42	18.2	75/128
L44	44	18.6	75/128
L48	48	20.8	75/128
L52	52	22.5	75/128
L60	60	26	75/128
L65	65	28.2	75/128
L68	68	29.4	75/128
L71	71	30.7	75/128
L76	76	32.9	— /128
L90	90	39	— /128
L100	100	43.3	— /128

### Copper Sleeve

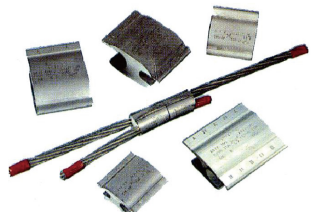
Die no.	A(mm)	B(mm)	C(mm)(100/200)
C14	14	6.1	60/ —
C17	17	7.4	60/ —
C19	19	8.2	60/ —
C23	23	10	60/ —
C26	26	11.3	60/ —
C29	29	12.6	60/ —
C32	32	13.9	60/ —
C36	36	15.6	55/ —
C38	38	16.5	55/ —
C42	42	18.2	55/ —
C47	47	20.4	50/ —
C50	50	21.7	50/ —

Die no.	A(mm)	B(mm)	C(mm)(100/200)
C51	51	22	50/ —
C54	54	23.4	50/ —
C56	56	24.3	40/ —
C57	57	24.7	40/ —
C63	63	27.3	— /70
C64	64	27.7	35/ —
C68	68	29.4	— /70
C73	73	31.6	— /65
C78	78	33.8	— /64
C85	85	36.8	— /60
C86	86	37.23	— /60

C type terminal



H type terminal



## 12Tons Crimping Dies

CYO-400A.C

CYO-400B.D

REC-400

- ◆ Tai-power company dedicated C-shape head, 12Ton hydraulic crimping tool.
- ◆ Suitable for connecting branch line, the middle line and the ground with copper links, with the C-type copper terminals, tube fittings.



Item no.	Specifiction	Copper sleeve
UBG	14 > < 8 22 > < 8	Ø1
UBG	14 > < 38 22 > < 22	Ø1
UO	35 > < 35-50 50 > < 60	Ø1
UO	35 > < 25 50 > < 35	Ø1
UO	60 > < 8 60 > < 38	Ø1
UO	14 > < 14 38 > < 38	ØH2
UD3	60 > < 22 125 > < 60	ØH2
UD3	60 > < 60 100 > < 100	ØH2
UD4	100 > < 125 150 > < 150	Ø1
UD4	60 > < 125 60 > < 150	Ø1
UN	200 > < 200 250 > < 250	Ø1
UN	60 > < 250 100 > < 250	Ø1
UD4	150 > < 150 200 > < 200	Ø1
UD4	22 > < 200 60 > < 200	Ø1

Die Mold for Overhead	Applicable tension crimping sleeve
B72AH(38)	-
B73AH(80)	AL sleeve #2 AAC
B74AH	AL sleeve 2/0AAC
B75AH(200)	AL sleeve 4/0AAC
B76AH(250)	AL sleeve 300AAC
B20AH(325)	AL sleeve 477AAC
CU22	CO sleeve 22HDC
CU60(100)	CO sleeve 60HDC
CU100(150)	CO sleeve 100HDC
B73SH(8-14)	ST sleeve #2ACSR
B74SH(22)	ST sleeve 2/0ACSR
B76SH(50-70)	ST sleeve 300ACSR
UBG	H sleeve #6-#8
UD	-
UD	-
UN	-
UN	-

Die Mold for Underground	Applicable terminal sleeve
U25RT	#1Cu
U26RT	2/0Cu
U27RT	140McM Cu single hole
U29RT	250Cu dual-hole
U34RT	500Cu
UD3	-
UO	-
UO	-

AL sleeve: Aluminum sleeve  
CO sleeve: Copper sleeve  
ST sleeve: Steel sleeve

## MH-02 Mini Bare Terminal Crimping

- ◆ Lightweight, easy to operate, easy to carry, spring type contraction pressed saving effort.
- ◆ Suitable for crimping bare terminal.
- ◆ Point crimping, maximum size: 2.5mm<sup>2</sup>.



## CT-8/CT-14/CT-22/MH-38 Bare Terminal Crimping

- ◆ Lightweight, easy to operate, easy to carry, spring type contraction pressed saving effort.
- ◆ Suitable for crimping bare terminal.
- ◆ Point crimping, CT-08 crimping max.size: 10mm<sup>2</sup>;  
CT-14 crimping max. size: 16mm<sup>2</sup>;  
CT-22 crimping max. size: 25mm<sup>2</sup>;  
MH-38 crimping max. size: 50mm<sup>2</sup>.



## MH-38H Bare Terminal Crimping

- ◆ Lightweight, easy to operate, easy to carry, spring type contraction pressed saving effort.
- ◆ Suitable for crimping bare terminal.
- ◆ Hexagonal crimping, max. size: 50mm<sup>2</sup>.



## MH-123A Insulated Terminal Crimping

- ◆ Lightweight, easy to operate, easy to carry, spring type contraction pressed saving effort.
- ◆ Suitable for crimping insulated terminals.



## MH-125 Insulated Closed Terminal Crimping

- ◆ Lightweight, easy to operate, easy to carry, spring type contraction pressed saving effort.
- ◆ Suitable for crimping insulated closed terminal.



Item no.	Length (mm)	Weight (g)	Crimpinf capacity (mm <sup>2</sup> )	Type
MH-02	200	230	1.5, 2.5	Point
CT-8	260	420	1.5, 2.5, 6, 10	Point
CT-14	285	500	1.5, 2.5, 6, 10, 16	Point
CT-22	340	740	6, 10, 16, 25	Point
MH-38	365	806	6, 10, 16, 25, 50	Point
MH-38H	365	820	16, 25, 35, 50	Hexagon
MH-123A	263	450	1.5, 2.5, 6	Arc
MH-125	285	450	CE1,CE2,CE5	Arc

## CT-38 Bare Terminal Crimping

- ◆ Mechanical operations, using a simple bolt adjustment pressing size, easy to carry.
- ◆ Suitable for crimping bare terminal.
- ◆ Point crimping, maximum size: 38mm<sup>2</sup>.



## CT-80/CT-100 Bare Terminal Crimping

- ◆ Mechanical operations, using a simple bolt adjustment pressing size, easy to carry.
- ◆ Suitable for crimping bare terminal.
- ◆ Point crimping, CT-80 max. size: 95mm<sup>2</sup>; CT-100 max. size: 120mm<sup>2</sup>.



## CYO-80A Bare Terminal Crimping

- ◆ Mechanical operations, using a simple bolt adjustment pressing size, easy to carry.
- ◆ Suitable for crimping bare terminal.
- ◆ Point crimping, ma. size: 120mm<sup>2</sup>.



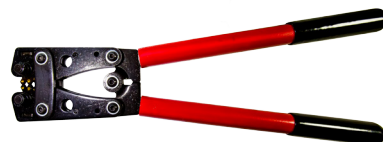
## CYO-150 Bare Terminal Crimping

- ◆ Mechanical operations, using a simple bolt adjustment pressing size, easy to carry.
- ◆ Suitable for crimping bare terminal.
- ◆ Point crimping, max. size: 150mm<sup>2</sup>.



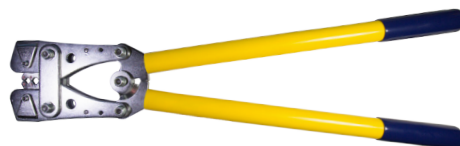
## CK-05 Hexagonal Terminal Crimping

- ◆ Mechanical operations, using a simple bolt adjustment pressing size, easy to carry.
- ◆ Suitable for crimping bare terminal.
- ◆ Hexagonal Crimping, max. size: 70mm<sup>2</sup>.



## CK-06/CK-07 Hexagonal Terminal Crimping

- ◆ Mechanical operations, using a simple bolt adjustment pressing size, easy to carry.
- ◆ Suitable for crimping bare terminal.
- ◆ Hexagonal Crimping, CK-06 max. size: 120mm<sup>2</sup>; CK-07 max. size: 150mm<sup>2</sup>.



Item no.	Length (mm)	Weight (g)	Crimpinf capacity (mm <sup>2</sup> )	Type
CT-38	540	2420	8, 14, 22, 38	Point
CT-80	670	4940	16, 25, 50, 70, 95	Point
CT-100	670	4940	25, 35, 50-70, 95, 120	Point
CYO-80A	570	3160	10, 16, 25, 35, 50, 70, 95, 120	Point
CYO-150	670	4410	10, 16, 25, 35, 50, 70, 95, 120, 150	Point
CK-05	400	640	6, 10, 16, 25, 35, 50, 70	Hexagon
CK-06	650	3000	10, 16, 25, 35, 50, 70, 95, 120	Hexagon
CK-07	650	3000	25, 35, 50, 70, 95, 120, 150	Hexagon



## MH-05S/MH-08S/MH-14S/MH-22S/MH-38S

### Effort-saving Crimping Hand Tool

- ◆ Effort-saving! Use of leverage, spring type contraction pressing force can be more easily operate, light and easy to carry.
- ◆ Suitable for crimping bare terminal.

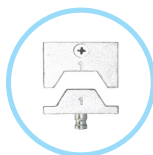
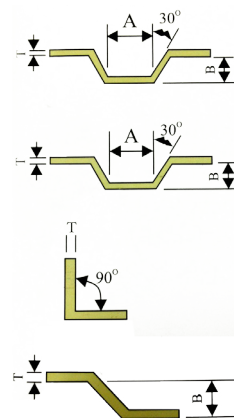


Item no.	Length (mm)	Weight (g)	Crimping capacity (mm <sup>2</sup> )	Type
MH-05S	176	240	1.5, 2.5, 6	Point
MH-08S	235	384	1.5, 2.5, 6, 10	Point
MH-14S	243	405	1.5, 2.5, 6, 10, 16	Point
MH-22S	330	680	6, 10, 16, 25	Point
MH-38S	334	686	10, 16, 25, 35, 50	Point

## CYO-80B

### Multifunctional Copper Bending & Terminal Crimping

- ◆ With a curved □ -shape, L-shape, N-shape and crimp terminals, five functions.
- ◆ Replaceable die design, suitable for distribution boards, power distribution engineering work, simple operation, easy to carry, molding at once.
- ◆ BH specifications with copper up to 100A of 3mm, 50A to 75A with 2mm copper, 50A following with 1mm copper.



MK-1001



MK-1002



MK-1003



MK-1004

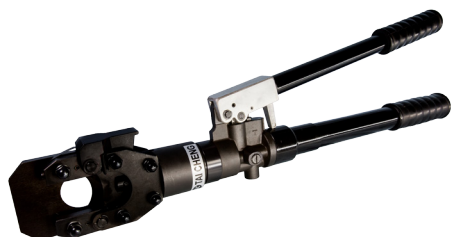


MK-1005

Item no.	Length (mm)	Weight (g)	Mold no.	A	B	T/mm
CYO-80B	570	3980	MK-1001	15	10	1
			MK-1002	15	10	2
			MK-1003	-	-	Under 3
			MK-1004	-	14	Under 3
			MK-1005	Terminal 8-38mm <sup>2</sup>		

The hydraulic cutting tool series can be separate to two types, cutting hard or soft materials. The hard material including: ACSR, soft copper, aluminum and iron rods, steel strands, steel cables, reinforcing bars, etc. The soft material including: copper-aluminum cables, communication cables, and other wires (hard type tools can also cut the soft wires.)

## CPC-40A (Hard Type)



- ◆ High pressure direct type hydraulic cutting tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf/cm<sup>2</sup>(10000psi).
- ◆ Easy to operate and carry, suitable for high-altitude operations.
- ◆ The special alloy steel blade is made for nicely cutting hard and soft wires without breaking.
- ◆ The operating grips are FRP material, can insulated 20KV/5 minutes.
- ◆ The max. opening: Ø38mm.
- ◆ 180° rotatable head, can make use of variety of angles.

## CPC-55A/CPC-55C (Hard Type)

- ◆ High pressure direct type hydraulic cutting tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf/cm<sup>2</sup>(10000psi).
- ◆ Easy to operate and carry, suitable for high-altitude operations.
- ◆ The special alloy steel blade is made for nicely cutting hard and soft wires without breaking.
- ◆ The operating grips are FRP material, can insulated 20KV/5 minutes.
- ◆ The max. opening: Ø55mm.
- ◆ 180° rotatable head, can make use of variety of angles.



## CPC-85A (Soft Type)



- ◆ High pressure direct type hydraulic cutting tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf/cm<sup>2</sup>(10000psi).
- ◆ Easy to operate and carry, suitable for high-altitude operations.
- ◆ The special alloy steel blade is made for nicely cutting soft wires without breaking.
- ◆ The operating grips are FRP material, can insulated 20KV/5 minutes.
- ◆ The max. opening: Ø85mm.
- ◆ 180° rotatable head, can make use of variety of angles.

Item no.	Output (Ton)	Opening (mm)	Cutting Capability										Wt. (kg)
			Wire (mm)		Round Bar (mm)				Stranded Conduct(mm)			Telecom Cable (mm)	
			6x7	6x12	Soft CO. Bar	Soft AL. Bar	Soft Iron Bar	Reinforce Bar	ACSR	CO-AL Stranded	Steel Wire Strand (1x19)		
CPC-40A	7.1	38	22	25	24	24	20	16	38	38	20	38	5.5
CPC-55A	7.1	55	22	25	24	24	20	16	38	50	20	55	6.5
CPC-55C	12	55	25	30	24	24	22	19	50	50	20	55	7.25
CPC-85A	5	85	-	-	-	-	-	-	-	28/38	-	85	8.5



### CPC-20B (Hard Type)

- ◆ Single-action cutting tool, lightweight, easy to operate and carry.
- ◆ The special alloy steel blade is made for nicely cutting hard and soft wires without breaking.
- ◆ The max. opening: Ø35mm.
- ◆ Need to coordinate with hydraulic pump (automatic: CTE-25AS, manual: CP-700, or pedal: CFP-800).

### CPC-40B (Hard Type)

- ◆ Single-action cutting tool, lightweight, easy to operate and carry.
- ◆ The special alloy steel blade is made for nicely cutting hard and soft wires without breaking.
- ◆ The max. opening: Ø38mm.
- ◆ Need to coordinate with hydraulic pump (automatic: CTE-25AS, manual: CP-700, or pedal: CFP-800).



### CPC-55B/CPC-55D (Hard Type)

- ◆ Single-action cutting tool, lightweight, easy to operate and carry.
- ◆ The special alloy steel blade is made for nicely cutting hard and soft wires without breaking.
- ◆ The max. opening: Ø55mm.
- ◆ Need to coordinate with hydraulic pump (automatic: CTE-25AS, manual: CP-700, or pedal: CFP-800).



Item no.	Output (Ton)	Opening (mm)	Cutting Capability										Wt. (kg)
			Wire (mm)		Round Bar (mm)				Stranded Conduct(mm)			Telecom Cable (mm)	
			6x7	6x12	Soft CO. Bar	Soft AL. Bar	Soft Iron Bar	Reinforce Bar	ACSR	CO-AL Stranded	Steel Wire Strand (1x19)		
CPC-20B	20	35	32	32	32	32	25	28	32	32	32	20	9.5
CPC-40B	7.1	38	25	25	24	24	16	16	38	38	20	38	3.2
CPC-55B	7.1	55	25	25	24	24	16	18	38	55	20	55	4.5
CPC-55D	12	55	25	30	28	28	22	19	50	50	20	55	4.7



## CPC-85B (Soft Type)

- ◆ Single-action cutting tool, lightweight, easy to operate and carry.
- ◆ The special alloy steel blade is made for nicely cutting soft wires without breaking.
- ◆ The max. opening: Ø85mm.
- ◆ Need to coordinate with hydraulic pump (automatic: CTE-25AS, manual: CP-700, or pedal: CFP-800).

## CPC-100B (Soft Type)

- ◆ Single-action cutting tool, lightweight, easy to operate and carry.
- ◆ The special alloy steel blade is made for nicely cutting soft wires without breaking.
- ◆ The max. opening: Ø100mm.
- ◆ Need to coordinate with hydraulic pump (automatic: CTE-25AS, manual: CP-700, or pedal: CFP-800).



## CPC-120B (Soft Type)

- ◆ Single-action cutting tool, lightweight, easy to operate and carry.
- ◆ The special alloy steel blade is made for nicely cutting soft wires without breaking.
- ◆ The max. opening: Ø120mm.
- ◆ Need to coordinate with hydraulic pump (automatic: CTE-25AS, manual: CP-700, or pedal: CFP-800).

Item no.	Output (Ton)	Opening (mm)	Cutting Capability										Wt. (kg)
			Wire (mm)		Round Bar (mm)				Stranded Conduct(mm)			Telecom Cable (mm)	
			6x7	6x12	Soft CO. Bar	Soft AL. Bar	Soft Iron Bar	Reinforce Bar	ACSR	CO-AL Stranded	Steel Wire Strand (1x19)		
CPC-85B	5	85	-	-	-	-	-	-	-	28/38	-	85	6
CPC-100B	8.8	100	-	-	-	-	-	-	-	42/46	-	100	15.4
CPC-120B	10	120	-	-	-	-	-	-	-	60	-	120	10





### CC-32B (Soft Type)

- ◆ Single-action cutting tool, lightweight, easy to operate and carry.
- ◆ The special alloy steel blade is made for nicely cutting soft wires without breaking.
- ◆ The max. opening: Ø32mm.
- ◆ Need to coordinate with hydraulic pump (automatic: CTE-25AS, manual: CP-700, or pedal: CFP-800).

### CC-50B (Soft Type)

- ◆ Single-action cutting tool, lightweight, easy to operate and carry.
- ◆ The special alloy steel blade is made for nicely cutting soft wires without breaking.
- ◆ The max. opening: Ø50mm.
- ◆ Need to coordinate with hydraulic pump (automatic: CTE-25AS, manual: CP-700, or pedal: CFP-800).



Item no.	Output (Ton)	Opening (mm)	Cutting Capability										Wt. (kg)
			Wire (mm)		Round Bar (mm)				Stranded Conduct(mm)			Telecom Cable (mm)	
			6x7	6x12	Soft CO. Bar	Soft AL. Bar	Soft Iron Bar	Reinforce Bar	ACSR	CO-AL Stranded	Steel Wire Strand (1x19)		
CC-32B	12	32	-	-	-	-	-	-	-	28	-	30	4.3
CC-50B	12	50	-	-	-	-	-	-	-	50	-	50	5.4



### UE-100S Portable Band Saw Machine

- ◆ A small multifunctional saw, which is able to cut off cables, iron bars, pipes, tubes, angle irons, aluminum materials, plastic pipes, woods, and other materials.
- ◆ The holder keeps objects steady and balanced, prevents wrinkles on the cutting surface from vibration or oscillation.
- ◆ The alloy saw blade is wearing resistance, high cutting efficiency, and easy to install and replace.
- ◆ Easy to carry, suitable for construction, utilities, machining, and other construction sites use.

Item no.	Cutting Capability (mm)		Sawing Belt (mm)	Sawing Belt Speed	Motor (HP)	L x W x H (mm)	Weight (kg)
	90°	45°					
UE-100S	○:100mm □:100x150mm	○:85mm □:85x150mm	1470x13x0.65	50Hz 4P 45MPM	1/2	724x381x458	23

## CC-22/CC-38/CC-60

- ◆ A specialized cutter for copper-aluminum wires and cables; lightweight, easy to carry and cut.
- ◆ The immersed plastic handle is firmly tightened. This design makes users more comfortable when operating also has the cut-off position fixed.
- ◆ The arc blades design can effectively grip and cut the cable. The max. capability: CC-22: 25mm<sup>2</sup>; CC-3: 35mm<sup>2</sup>; CC-60: 50mm<sup>2</sup>
- ◆ Special alloy steel blade, has rust treated on its surface, which prevents it from being damaged.



## CC-100

- ◆ A specialized cutter for copper-aluminum wires and cables; lightweight, easy to carry and cut.
- ◆ The immersed plastic handle is firmly tightened. This design makes users more comfortable when operating also has the cut-off position fixed.
- ◆ The arc blades design can effectively grip and cut the cable. The max. capability: 95mm<sup>2</sup>.
- ◆ Special alloy steel blade, has rust treated on its surface, which prevents it from being damaged.



## CC-250/CC-400/CC-500

- ◆ A specialized cutter for copper-aluminum wires and cables; lightweight, easy to carry and cut.
- ◆ The immersed plastic handle is firmly tightened. This design makes users more comfortable when operating also has the cut-off position fixed.
- ◆ The arc blades design can effectively grip and cut the cable. The max. capability: CC-250: 240mm<sup>2</sup>, CC-400: 400mm<sup>2</sup>, CC-500: 500mm<sup>2</sup>.
- ◆ Special alloy steel blade, has rust treated on its surface, which prevents it from being damaged.



Item no.	Length (mm)	Cutting Capacity (mm <sup>2</sup> ) JIS/DIN/AWG	Weight (g)
CC-22	160	Cable 22/25/#4	190
CC-38	220	Cable 38/35/#1	390
CC-60	240	Cable 60/50/#2/0	550
CC-100	310	Cable 100/95/#4/0	770
CC-250	600	Cable 250/240/500MCM	1890
CC-400	690	Cable 325/400/800MCM	2285
CC-500	800	Cable 500/630/1000MCM	3235

### CS-325 Manual Ratchet Cutter



- ◆ A specialized ratchet-feed-design cutter, for copper-aluminum wires and cables, has lightweight, and able to operate with one hand.
- ◆ The blade can rotate 360 degrees forward and backward to open. It makes users easier to cut in the middle. The max. cutting capability: 400mm<sup>2</sup>.
- ◆ The plastic handle is ergonomically designed for gripping more comfortable and convenient.
- ◆ A special alloy steel blade, has rust treated on its surface, which prevents it from being damaged.



### CS-520 Manual Ratchet Cutter

- ◆ A specialized ratchet-feed-design cutter, for copper-aluminum wires and cables, has lightweight, and able to operate with one hand.
- ◆ The blade can rotate 360 degrees forward and backward to open. It makes users easier to cut in the middle. The max. cutting capability: 630mm<sup>2</sup>.
- ◆ The plastic handle is ergonomically designed for gripping more comfortable and convenient.
- ◆ A special alloy steel blade, has rust treated on its surface, which prevents it from being damaged.

Item no.	Length (mm)	Cutting Capacity (mm <sup>2</sup> ) JIS/DIN/AWG	Weight (g)
CS-325	250	Cable 325/400/800MCM	643
MS-520	410	Cable 500/630/1000MCM	1680



## MI-60

- ◆ A specialized cutter for steel cables, steel strands, and iron bars, has lightweight, is easy to carry and cut.
- ◆ The aluminum handle can replace blades, also has the cut-off position fixed.
- ◆ The arc blade design can effectively grip and cut the cable. The max. cutting capability: iron bar-  $\varnothing 5\text{mm}$ ; steel cable-  $\varnothing 7\text{mm}$ ; copper wire-  $60\text{mm}^2$ .
- ◆ A special alloy steel blade has rust treated on its surface, which prevents it from being damaged. The handle is coated by PVC, which is antiskid, easy to grip.



## MI-200

- ◆ A specialized cutter for steel cables, steel strands, and iron bars, has lightweight, is easy to carry and cut.
- ◆ The aluminum handle can replace blades, also has the cut-off position fixed.
- ◆ The arc blade design can effectively grip and cut the cable. The max. cutting capability: iron bar-  $\varnothing 9\text{mm}$ ; steel cable-  $\varnothing 12\text{mm}$ ; copper wire-  $150\text{mm}^2$ .
- ◆ A special alloy steel blade has rust treated on its surface, which prevents it from being damaged. The handle is coated by PVC, which is antiskid, easy to grip.

Item no.	Length (mm)	Cutting Capacity ( $\text{mm}^2$ ) JIS/DIN/AWG	Weight (g)
MI-60	320	Iron bar $\varnothing 5\text{mm}$ 、Wire $\varnothing 7\text{mm}$ 、Cable $60\text{mm}^2$	812
MI-200	600	Iron bar $\varnothing 9\text{mm}$ 、Wire $\varnothing 12\text{mm}$ 、Cable $150\text{mm}^2$	1740
MI-624	795	Wire $\varnothing 12.7\text{mm}(1/2")$	5160





## MPC-6

- ◆ A specialized ratchet-feed-design cutter for PVC pipe cutter has lightweight, and able to operate with one hand.
- ◆ The max. cutting capability: Ø25mm (1 ").



## MPC-42

- ◆ A specialized ratchet-feed-design cutter for PVC pipe cutter has lightweight, and able to operate with one hand.
- ◆ The max. cutting capability: Ø32mm (1 1/4 ").

Item no.	Cutting Capacity
MPC-6	PVC pipe Ø25mm(1")
MPC-42	PVC pipe Ø32 mm(1-1/4")
KTS-63	PVC pipe Ø63mm

## Angle steels, Copper, Aluminum, Iron plate Punching Tool

### CH-60D



- ◆ C-shaped designed, the cylinder and the body are firmly, integrally molded of forged alloy steel, which possesses both high compression and tension.
- ◆ Light, portable, easy to place. Can precisely punch with few burrs.
- ◆ Applicable to angle steels, copper, aluminum, iron plate, H beams, and all other U-iron.
- ◆ Depth: 70mm. The max. punching capacity: Copper and aluminum plate:  $\varnothing 20.5 \times T12\text{mm}$ ; Iron plate:  $\varnothing 20.5 \times T10\text{mm}$ ; Stainless steel:  $\varnothing 20.5 \times T3\text{mm}$ .
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize dies in any sizes.

#### PS : Oval dies for optional

- ◆ Size of oval dies (WxL)  
1/4"(7.9x19mm), 5/16"(9.5x19mm), 3/8"(10.5x19mm), 7/16"(12.7x19mm), 1/2"(14x19mm)

### CH-70

- ◆ C-shaped designed, is firmly, integrally molded with cast iron.
- ◆ Portable, easy to place. Can precisely punch with few burrs.
- ◆ Applicable to angle steels, copper, aluminum, iron plate, H beams, and all other U-iron.
- ◆ Depth: 80mm. The max. punching capacity: Copper and aluminum:  $\varnothing 20.5 \times T12\text{mm}$ ; Iron plate:  $\varnothing 20.5 \times T10\text{mm}$ ; Stainless steel:  $\varnothing 20.5 \times T3\text{mm}$ .
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize dies in any sizes.



#### PS : Oval dies for optional

- ◆ Size of oval dies (WxL)  
3/8"(11x19mm), 1/2"(14x21mm), 5/8"(17x24mm)

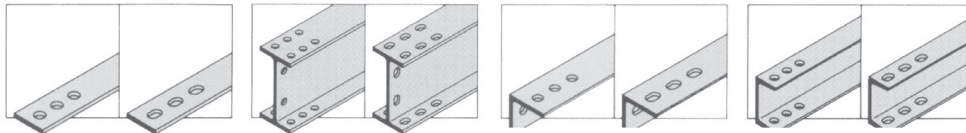
Item no.	Output (Ton)	Depth (mm)	Punching cap. (mm)	Accessory dies (mm)	Weight (Kg)
CH-60D	31	70	Copper, aluminum T12, Iron T10, Stainless steel T3	3/8"(10.5), 1/2"(13.8), 5/8"(17), 3/4"(20.5)	16.5
CH-70	35	85	Copper, aluminum T12, Iron T10, Stainless steel T3	3/8"(10.5), 1/2"(13.8), 5/8"(17), 3/4"(20.5)	31
CH-80	50	115	Copper, aluminum T20, Iron T16, Stainless steel T6	$\varnothing 16, \varnothing 18, \varnothing 22, \varnothing 25$	39.5

## CH-80

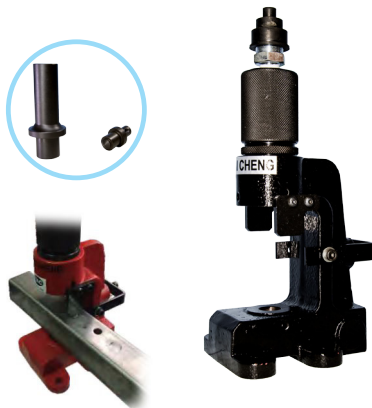


- ◆ C-shaped designed, is firmly, integrally molded with cast iron.
- ◆ Large-tonnage, powerful punching capacity.
- ◆ Dual-action designed, which accelerates punching time, also increases efficiency.
- ◆ Applicable to angle steels, copper, aluminum, iron plate, H beams, and all other U-iron.
- ◆ Depth: 120mm. The max. punching capacity: Copper and aluminum:  $\varnothing 20.5 \times T20\text{mm}$ ; Iron plate:  $\varnothing 25 \times T16\text{mm}$ ; Stainless steel:  $\varnothing 25 \times T6\text{mm}$ .
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AD, hand pump: CP-700-2A-D, or foot pump: CFP-800-1-D).
- ◆ Able to customize dies in any sizes.

PS: If requiring for an oval-hold punching, please notify while you purchasing, the design needs to be changed.



## C channel Steel Punching Tool



### CH-13

- ◆ Light, portable. A special designed tool for C channel steels.
- ◆ Applicable to C channel steels, iron plates, stainless steel plates, and angle steels.
- ◆ The max. punching capacity: Iron:  $\varnothing 13 \times T3\text{mm}$ ; Stainless steel:  $\varnothing 13 \times T2\text{mm}$ .
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize dies in any sizes.

### CH-50

- ◆ Light, portable. A special designed tool for C channel steels.
- ◆ Applicable to C channel steels, iron plates, stainless steel plates, and angle steels.
- ◆ The max. punching capacity: Iron:  $\varnothing 13 \times T3\text{mm}$ ; Stainless steel:  $\varnothing 13 \times T2\text{mm}$ .
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize dies in any sizes.



Item no.	Output (Ton)	Depth (mm)	Punching cap. (mm)	Accessory dies (mm)	Weight (Kg)
CH-13	6.8	22	Iron T2, Stainless steel T2	$\varnothing 7, \varnothing 10, \varnothing 13$	3.5
CH-50	16	70	Iron T3, Stainless steel T2	$\varnothing 7, \varnothing 10, \varnothing 13$	12

## Switchboard Punching Tool



### CC-104I

- ◆ Applicable to electricity controlling boxes, switchboards, sheet metals, or modifying or adding additional holes.
- ◆ Fast punching without any burrs, notches, nor sparks, which improves the appearance and increases the value of the product.
- ◆ Light, portable, easily changing dies.
- ◆ The max. punching capacity: Iron:  $\varnothing 60.8(2") \times 3\text{mm}$ ; Stainless steel:  $\varnothing 60.8(2") \times 1.2\text{mm}$ .
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize dies in any sizes.

PS: We also customize squared-die, rectangle-die, as well as special material die, such as for 2mm stainless steel.

### CC-104II

- ◆ Applicable to electricity controlling boxes, switchboards, sheet metals, or modifying or adding additional holes
- ◆ Fast punching without any burrs, notches, nor sparks, which improves the appearance and increases the value of the product.
- ◆ Light, portable, easily changing dies.
- ◆ The max. punching capacity: Iron:  $\varnothing 115.3(4") \times 3\text{mm}$ ; Stainless steel:  $\varnothing 115.3(4") \times 1.2\text{mm}$ .
- ◆ Need to coordinate with CC-104 cylinder set and hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize molds in any sizes.



### CC-104III E.M.T Pipe Punching Tool



- ◆ Switchboard punching, modifying or adding additional holes.
- ◆ Fast punching without any burrs, notches, nor sparks, which improves the appearance and increases the value of the product.
- ◆ Light, portable, easily changing dies.
- ◆ Size:  $\varnothing 19, \varnothing 25, \varnothing 31, \varnothing 39, \varnothing 51, \varnothing 63, \varnothing 75\text{mm}$ .
- ◆ The max. punching capacity, Iron:  $\varnothing 75 \times 3\text{mm}$ ; Stainless steel:  $\varnothing 75 \times 1.2\text{mm}$ .
- ◆ Need to coordinate with hydraulic pump (CP-180).

Item no.	Output (Ton)	Punching cap. (mm)	Accessory dies (mm)	Weight (Kg)
CC-104I	12	Iron T3, Stainless steel T1.2	1/2"(22), 3/4"(27.5), 1"(34.3), 1-1/4"(43), 1-1/2"(49), 2"(60.8)	6.4
CC-104II	-	Iron T3, Stainless steel T1.2	2-1/2"(76.6), 3"(89.4), 3-1/2"(102.6), 4"(115.3)	10.8
CC-104III	12	Iron T3, Stainless steel T1.2	$\varnothing 19, \varnothing 25, \varnothing 31, \varnothing 39, \varnothing 51, \varnothing 63, \varnothing 75$	8.3





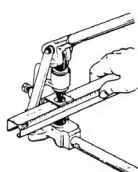
## CC-104RW Ratchet Type Punch Hand Tool

- ◆ Starting with drilling a hole on the switchboard, then make the axis through the hole, matching the needed die size, and finishing with putting on the adjustable ratchet wrench, then rotate it.
- ◆ Fast punching without any burrs, notches, nor sparks, which improves the appearance and increases the value of the product.
- ◆ Saving effort, easily changing dies, light, portable, no need to coordinate with hydraulic pump or cylinder set.
- ◆ The max. punching capacity, Iron:  $\varnothing 60.8(2'')$  xT3mm; Stainless steel:  $\varnothing 60.8(2'')$  xT1.2mm.
- ◆ Able to customize molds in any sizes.

Item no.	Output (Ton)	Punching cap. (mm)	Accessory dies (mm)	Weight (Kg)
CC-104RW	-	Iron T3, Stainless steel T1.2	1/2"(22), 3/4"(27.5), 1"(34.3), 1-1/4"(43), 1-1/2"(49), 2"(60.8)	3.7

## MAKD-13 Manual C channel Steel Punching Tool

- ◆ Light, portable. A special designed tool for C channel steels.
- ◆ Applicable to C channel steels, iron plates, stainless steel plates, and angle steels.
- ◆ The max. punching capacity: Iron:  $\varnothing 13$  xT3mm; Stainless steel:  $\varnothing 13$  xT2mm.
- ◆ Specialized in punching C channel steel, positive azimuth hole, also has side punching die for optional.
- ◆ Applicable C channel steel size: 41x41mm and 41x25mm.



Positive punch



seat for  
side die



side die



Side punch

Item no.	Punching cap. (mm)	Accessory dies (mm)	Weight (Kg)
MAKD-13	Iron T2, Stainless steel T1.2	$\varnothing 7$ , $\varnothing 10$ , $\varnothing 13$	6.8

This series of products are small volume and light weight, easy to carry for outdoor working, can be widely used in the processing of copper, aluminum, iron, all kinds of busbars.



## CWC-150/CWC-200 Busbar Cutting Tool

- ◆ Suitable for using in machinery factory, switch boxes, switchboards, automatic control wiring project.
- ◆ A slope cut blade design, to avoid unnecessary plate consumables.
- ◆ Adjustable bolts prevent the busbar lift up after cutting off.
- ◆ Max. cutting capacity CWC-150: 150xT10mm; CWC-200: 200xT10mm.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).

## CWC-150V/CWC-200V V-type Busbar Cutting Tool

- ◆ Suitable for using in machinery factory, switch boxes, switchboards, automatic control wiring project.
- ◆ V-shaped cutting blade enables cut surface smooth does not sag.
- ◆ Max. cutting capacity CWC-150V: 150xT10mm; CWC-200V: 200xT10mm.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).



## CAC-110 Angle Steel Cutting Tool

- ◆ Suitable for high-voltage towers, bridges and so on.
- ◆ Quickly cutting, no noise, smooth cut surface, neat and easy to carry.
- ◆ Max. cutting capacity 110x110xT10mm.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).

Item no.	Output (Ton)	Cutting cap. (mm)	Weight (kg)
CWC-150	16	Copper, aluminum 150xT10, Iron 150xT6	26.5
CWC-200	35	Copper, aluminum 200xT10, Iron 200xT6	31.2
CWC-150V	20	Copper, aluminum 150xT10, Iron 150xT6	23
CWC-200V	20	Copper, aluminum 200xT10, Iron 200xT6	28.7
CAC-110	30	Angle steel 110x110xT10	60



## CB-150D

### Lift-opening Busbar Bending Tool

- ◆ Suitable for using in machinery factory, switch boxes, switchboards, automatic control wiring project.
- ◆ Liftable design, the case of over-length, curved, N-shape or  $\Gamma$ -shape plate, this tool could remove the plate easily.
- ◆ Horizontal design allows plates not distorted when bending, the support bracket can keep the center gravity of the plate, avoiding out of plumb.
- ◆ Scale display for controlling bending range freely, the max. bending capability 150xT10mm.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).

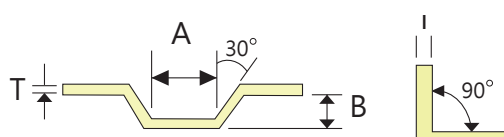
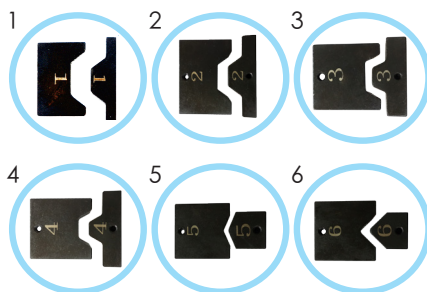
## CB-200A

### Busbar Flat Bending Tool

- ◆ Suitable for using in machinery factory, switch boxes, switchboards, automatic control wiring project.
- ◆ The use of the axis in large-area-bending design prevents the busbar from twisted while bending.
- ◆ Scale display for controlling bending range freely, the max. bending capability 200xT10mm.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).



Item no.	Output (Ton)	Bending cap. (mm)	Weight (Kg)
CB-150D	16	Copper, aluminum 150xT12	17.7
CB-200A	16	Copper, aluminum 200xT12	24

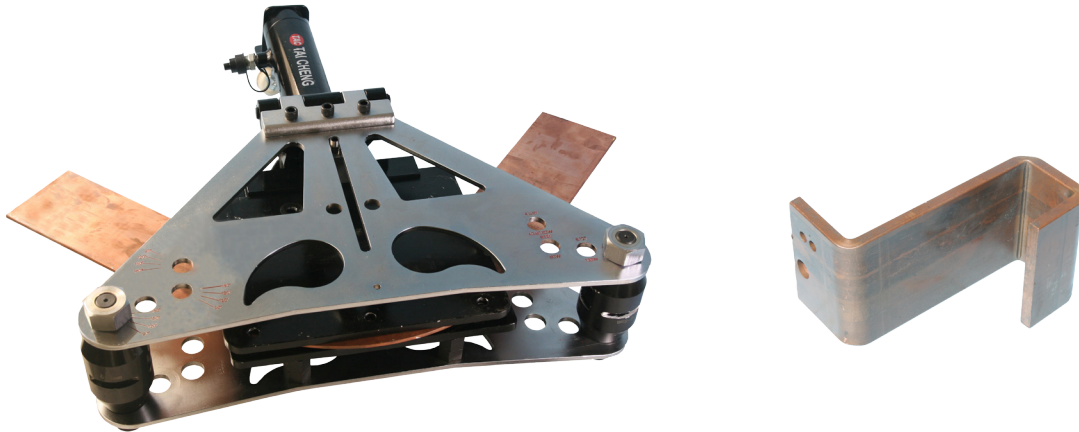


## CBC-25 Multifunctional Copper Bending & Terminal Crimping

- ◆ Multifunction, bending copper plate to  $\Gamma$  shape, L shape and terminal pressing.
- ◆ Dies replaceable, the maximum bending capacity: 30xT5mm, the width of the copper bar is 25mm; pressing maximum capacity: 38mm<sup>2</sup>.
- ◆ Lightweight, easy to operate, easy to carry.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).

No.	A	B	T(mm)
1	30	15	3-5
2	27	15	5
3	20	10	3 以下
4	16	10	5
5	-	-	3-5
6	Crimping 8-38mm <sup>2</sup>		

Item no.	Output (Ton)	Cutting cap. (mm)	Weight (kg)
CBC-25	7	Copper 30xT5mm	6.5

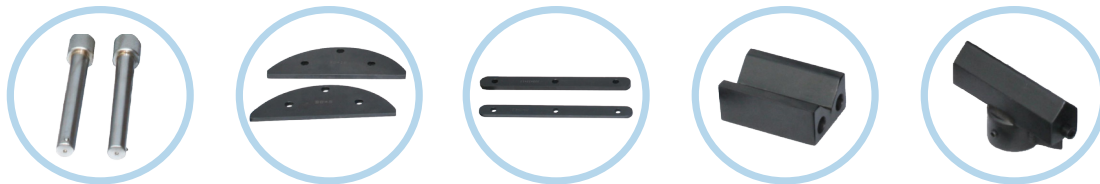


### CB-125 Two-in-one Vertical & Flat Bending Tool (Single-action)

### CB-125D Two-in-one Vertical & Flat Bending Tool (Double-action)

- ◆ Suitable for using in machinery factory, switch boxes, switchboards, automatic control wiring project.
- ◆ With both flat and vertical bending functions, with mold can be replaced freely.
- ◆ Flat bending: the use of the axis in large-area-bending design prevents the busbar from twisted while bending. Vertical bending: both upper and lower boards are pressed simultaneously to keep it flat and smooth and protect the busbar from bending twisted or depressed.
- ◆ Scale display for controlling bending range freely, the max. bending capability 125xT12mm.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).

PS: CB-125D is a dual-action hydraulic cylinder, fast oil inlet and return, must coordinate with dual-action hydraulic pump.



Item no.	Output (Ton)	Bending cap. (mm)	Weight (Kg)
CB-125	20	Copper, aluminum 125xT12	43
CB-125D	27	Copper, aluminum 125xT12	43

Thickness (mm)	Width (mm)	Bending Angle	Bending radius (mm)
6	40/50/60	90	140
8	80	90	140
8	100	90	140
10	80	90	160
10	100	90	160
10	125	90	160
12.5	125	90	160



## M-Series Hydraulic Busbar Processing Tool

A New design-improves the problem of overweight of the normal models; has nicer appearance, light body, easier carry, and many other advantages.



### MC-125V

#### M-series V-type Busbar Cutting Tool

- ◆ Suitable for using in machinery factory, switch boxes, switchboards, automatic control wiring project.
- ◆ V-shaped cutting blade enables cut surface smooth does not sag.
- ◆ Maximum cutting capacity 125xT12mm.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).

Item no.	Output (Ton)	Cutting Capacity (mm)	Weight (kg)
MC-125V	20	Copper, aluminum 125xT12	15.7

### MAC-75

#### M-series Angle Steel Cutting Tool

- ◆ Suitable for high-voltage towers, bridges and so on.
- ◆ Quickly cutting, no noise, smooth cut surface, neat and easy to carry.
- ◆ Maximum cutting capacity 75x75xT6mm.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).



Item no.	Output (Ton)	Cutting Capacity (mm)	Weight (kg)
MAC-75	20	Angle steel 75x75xT6	21



## MP-125 M-series Busbar Punching Tool

- ◆ Applicable to angle steels, copper, aluminum, iron plate, H beams, and all other U-iron.
- ◆ Precision punching, easy to locate and reduce busbar glitch.
- ◆ Maximum punching capacity: copper and aluminum plate-  $\varnothing 20.5 \times T12\text{mm}$ , iron-  $\varnothing 20.5 \times T8\text{mm}$ .
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Able to customize dies in any sizes.

Item no.	Output (Ton)	Punching Capacity (mm)	Weight (Kg)
MP-125	20	3/8"(10.5), 1/2"(13.8), 5/8"(17), 3/4"(20.5)	15.8

## MB-125/MB-150 M-series Flat Busbar Bending Tool

- ◆ Suitable for using in machinery factory, switch boxes, switchboards, automatic control wiring project.
- ◆ The use of the axis in large-area-bending design prevents the busbar from twisted while bending.
- ◆ Scale display for controlling bending range freely, the max. bending capability: MB-125-  $125 \times T12\text{mm}$ ; MB-150-  $150 \times T12\text{mm}$ .
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).



Item no.	Output (Ton)	Bending Capacity (mm)	Weight (Kg)
MB-125	20	Copper, aluminum $125 \times T12$	19.5
MB-150	20	Copper, aluminum $150 \times T12$	22.6

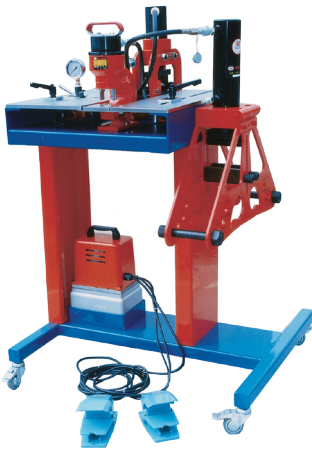
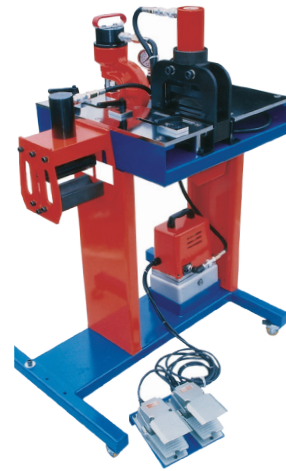
## Complex Hydraulic Busbar Machine

### Features description:

1. It is designed for working on an open platform. A grinded chrome mirror has treated on the surface, which is antirust and abraded resistant. The flat, steady platform supports the working busbar. It protects the workpiece from twisted or torched. The busbar is easy to put in and take out.
2. The working platform with foot stand sizes are available to measure 1000kgf/cm<sup>2</sup> oil-filled fuel gauge device can display all kinds of machine tools pressure readings, to avoid overload protection.
3. The slide-type design of copper material collecting groove and outlet helps cooper scrap slide down naturally.
4. The foot-control switch improves work efficiency.
5. The 360° swivel casters allow the machine to be moved easily, have high mobility.

### MPCB-301 (Three in one)

- ◆ Contains three functions: punching, flat bending, and cutting busbar.
- ◆ **CH-60D (Punching):** punching precisely, fewer glitches, depth in 70mm. The max. punching capacity - copper and aluminum: Ø20.5xT10mm, iron: Ø20.5xT8mm.
- ◆ **CB-200A (Flat bending):** completes a 90-degree bending at once. Has an angle scale, which allows user to easily control and bend a wanted angle. The max. bending capacity: 200x10mm.
- ◆ **CWC-150V or CWC-200V (Cutting):** a V-type cutter makes the cutting edge smoother without a notch. The max. cutting capacity: 150x10mm.
- ◆ Contains an auto-hydraulic pump. The output is 700 kgf/cm<sup>2</sup>(10000psi).



### MPCB-401 (Four in one)

- ◆ Contains three functions: punching, flat bending, and cutting busbar.
- ◆ **CH-60D (Punching):** punching precisely, fewer glitches, depth in 70mm. The max. punching capacity - copper and aluminum: Ø20.5xT10mm, iron: Ø20.5xT8mm.
- ◆ **CB-125 (Flat bending):** completes a 90-degree bending at once. Has an angle scale, which allows user to easily control and bend a wanted angle. The max. bending capacity: 200x10mm.
- ◆ **CB-125 (Vertical bending):** completes a 90-degree bending at once. Has many kinds of templates that allows bending busbar in different thicknesses. The max. bending capacity: 125x12.5mm.
- ◆ **CWC-150V or CWC-200V (Cutting):** a V-type cutter makes the cutting edge smoother without a notch. The max. cutting capacity: 150x10mm.
- ◆ Contains an auto-hydraulic pump. The output is 700 kgf/cm<sup>2</sup>(10000psi).

Item no.	Punching Cap. (mm)	Bending cap. (mm)	Cutting Cap. (mm)	Thickness (mm)	Width (mm)	Bending Angle	Bending radius (mm)
MPCB-301	Copper, aluminum Ø20.5xT12; Iron Ø20.5xT10 Accessory die: 3/8"(10.5), 1/2"(13.8), 5/8"(17), 3/4"(20.5)	Copper, aluminum 150xT12	Copper, aluminum 150xT12	6	40/50/60	90	140
				8	80	90	140
				8	100	90	140
MPCB-401	Copper, aluminum Ø20.5xT12; Iron Ø20.5xT10 Accessory die: 3/8"(10.5), 1/2"(13.8), 5/8"(17), 3/4"(20.5)	Flat bending: CO,AL 125xT12 ;Vertical bending: CO,AL 125xT12	Copper, aluminum 150xT12	10	80	90	160
				10	100	90	160
				10	125	90	160
				12.5	125	90	160

This is a new way of connecting the hydropower industry in building buildings, new structures and chemical fire-fighting piping. This form has been widely adopted, using stainless steel joints make stainless steel pipes connected. The combination of the two can achieve fast operation and labor-saving, replacing the traditional time-consuming and process of using the thread and welding.

This series of products can be designed for large-scale stainless steel crimping in Korea (BEGIN) and Japan (BENKAN), as well as tools designed for the Japanese MIE GRIP series.



## CBS-25A

- ◆ Replaceable die, with 13SU (1/2"), 20SU (3/4"), 25SU (1") three sizes.
- ◆ The special tip-type design of the die can be used during any kind of angles in the corners of construction.
- ◆ Easy to operate, lightweight and easy to carry.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).

PS: There is also a special 30° angle crimping die. This design can provide more convenient, help for the crimping corner range!! The die size has three 13SU (1/2"), 20SU (3/4"), 25SU (1") three sizes.

Optional dies :



30° Die



30SU (1 1/4")



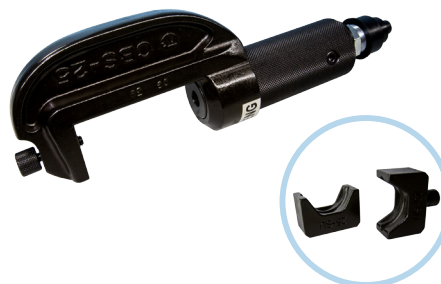
40SU (1 1/2")



50SU (2")

## CBS-25B

- ◆ Replaceable die, with 13SU (1/2"), 20SU (3/4"), 25SU (1") three sizes.
- ◆ Easy to operate, lightweight and easy to carry
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).



## CBL-60

- ◆ Replaceable die, with 30SU (1 1/4"), 40SU (1 1/2"), 50SU (2"), 60SU (2 1/2") four sizes.
- ◆ Easy to operate and easy to carry.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).

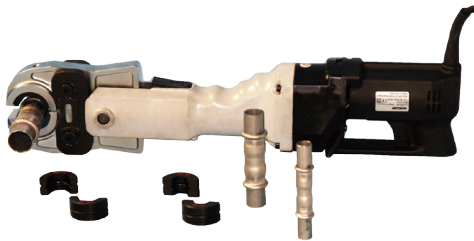
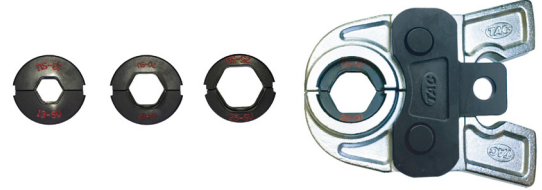
Item no.	Output (Ton)	Applicable pipe size	Head weight (kg)	Weight with dies (kg)
CBS-25A	5	13(1/2"), 20(3/4"), 25(1")	3.4	9.3
CBS-25B	7	13(1/2"), 20(3/4"), 25(1")	2.9	3.8
CBL-60	31	30(1 1/4"), 40(1 1/2"), 50(2"), 60(2 1/2")	7.1	19.3



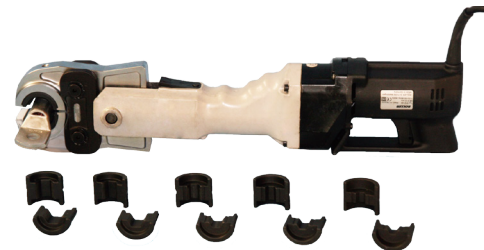
## TNS-21

### 2 in 1 Stainless Steel Pipe & Terminal Crimping Molds

- ◆ This can be used with stainless steel pipe crimping die 13SU, 20SU, 25SU and terminal crimping die (optional): 50, 70, 95, 120, 150, 185, 240mm<sup>2</sup>.
- ◆ The special tip-type design of the die can be used during any kind of angles in the corners of construction.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Need to cooperate with stainless steel pipe crimping cylinder: CBS-25A and ROLLER.



Stainless Steel Crimping



Terminal Crimping

Germany ROLLER electric pipe crimping tool, labor-saving and convenient, easy and efficient.



### ROLLER

- ◆ Electromechanical drive output, maximum output pressure 700 kg/cm<sup>2</sup> (10000psi).
- ◆ Replaceable die, with 13SU (1/2"), 20SU (3/4"), 25SU (1") three sizes.
- ◆ The special tip-type design of the die can be used during any kind of angles in the corners of construction.

PS: There is also a special 30° angle crimping die. This design can provide more convenient, help for the crimping corner range!! The die size has three 13SU (1/2"), 20SU (3/4"), 25SU (1") three sizes.

### Optional dies :



30° Die



30SU (1 1/4")



40SU (1 1/2")



50SU (2")

Item no.	Output (Ton)	Applicable pipe size	Head weight (kg)	Weight with dies (kg)
ROLLER	-	13(1/2"), 20(3/4"), 25(1")	5	10.3



## CPB-3

- ◆ Applicable to indoor electrical wires, water pipes, gas pipes, thick pipes, firefightings, and other engineering bendings. It can bend and curve smoothly at different angles without wrinkles.
- ◆ The max. bending angle: 90 degrees. The max. bending diameter: 3". It can complete bending 1/2"~2" diameters at once; and approx. five times for the 2 1/2"~3" without depression.
- ◆ Meets the domestic piping demand, uses aluminum alloy and ductile iron as alternatives for materials of bending dies.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).



Gas pipe (SGP)				
Pipe size	OD of pipe	ID of pipe	Thickness of pipe	Bending radius
SGP-15(1/2")	21.7	16.1	2.8	60
SGP-20(3/4")	27.2	21.6	2.8	80
SGP-25(1")	34	27.6	3.2	100
SGP-32(1 1/4")	42.7	35.7	3.5	130
SGP-40(1 1/2")	78.6	41.6	3.5	160
SGP-50(2")	60.5	52.9	3.8	220
SGP-65(2 1/2")	76.3	67.9	4.2	320
SGP-80(3")	89.1	80.7	4.2	425
SGP-90(3 1/2")	101.6	93.2	4.2	550
SGP-100(4")	114.3	105.3	4.2	600

Thick steel pipe (B)				
Pipe size	OD of pipe	ID of pipe	Thickness of pipe	Bending radius
B16(1/2")	21	16.4	2.3	75
B22(3/4")	26.5	21.9	2.3	90
B28(1")	33.3	28.3	2.5	130
B36(1 1/4")	41.9	36.9	2.5	195
B42(1 1/2")	47.8	42.8	2.5	230
B54(2")	59.6	54	2.8	270
B70(2 1/2")	75.2	69.6	2.8	450
B82(3")	87.9	82.3	2.8	500
B92(3 1/2")	100.7	93.7	3.5	500
B104(4")	113.4	106.4	3.5	680

Item no.	Output (Ton)	Thick steel pipe (B)	Gas pipe (SGP)	Weight (Kg)
CPB-3	17	Ø16(1/2")-Ø82(3")	Ø15(1/2")-Ø80(3")	18.6



## CPB-4

- ◆ Applicable to indoor electrical wires, water pipes, gas pipes, thick pipes, firefittings, and other engineering bendings. It can bend and curve smoothly at different angles without wrinkles.
- ◆ The max. bending angle: 90 degrees. The max. bending diameter: 4". It can complete bending 1/2"~2" diameters at once; and approx. five times for the 2 1/2"~3" without depression.
- ◆ Meets the domestic piping demand, uses aluminum alloy and ductile iron as alternatives for materials of bending dies.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).

PS: CPB-4 can be designed for a dual-action hydraulic cylinder to increase the speed of inlet and outlet oil (need to coordinate with the double-action pump).



Item no.	Output (Ton)	Thick steel pipe (B)	Gas pipe (SGP)	Weight (Kg)
CPB-4	20	Ø16(1/2")-Ø104(4")	Ø15(1/2")-Ø100(4")	28.8

## CPB-19A CPB-25A CPB-31A

### Manual Bending E.M.T Tube Tools (90° )

- ◆ An aluminum gravity die casting has lightweight, high strength, smooth bending without wrinkling.
- ◆ A free bending E.M.T tube has the max. bending angle of 90 degrees. Attached with a handle that can easily make a one-time bending.

Item no.	E.M.T tube dia. (mm)	Bending angle	Weight (kg)
CPB-19A	Ø19	90	0.5
CPB-25A	Ø25	90	0.8
CPB-31A	Ø31	90	1.5



## CPB-19B CPB-25B CPB-31B

### Manual Bending E.M.T Tube Tools (45° )

- ◆ An aluminum gravity die casting has lightweight, high strength, smooth bending without wrinkling.
- ◆ A free bending E.M.T tube has the max. bending angle of 45 degrees. Attached with a handle that can easily make a one-time bending.

Item no.	E.M.T tube dia. (mm)	Bending angle	Weight (kg)
CPB-19B	Ø19	45	0.3
CPB-25B	Ø25	45	0.4
CPB-31B	Ø31	45	0.76



## CBH-90

## Manual Ratchet Cable Bending Tool

- ◆ Applicable to IV cables or wire cables with aluminum covered, can be bent with any angles. The max. bending angle: 90 degrees.
- ◆ A ratchet rotating design is effort saving.

Item no.	Bending range (mm <sup>2</sup> )	Bending angle
CBH-90	150-325	90

## CBH-325

## Hydraulic cable bender

- ◆ XPLE 、hard PVC cable bending.
- ◆ Light, portable, easily changing dies.
- ◆ Need to coordinate with CC-104 cylinder set and hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).



## CBH-325B

## Hydraulic cable bender

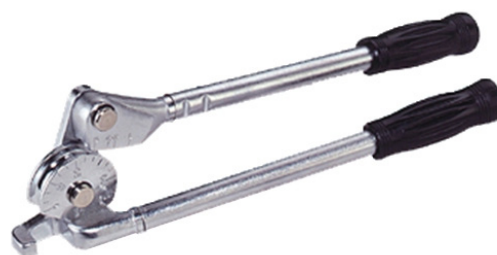
- ◆ XPLE 、hard PVC cable bending.
- ◆ Light, portable, easily changing dies.
- ◆ Need to coordinate with CC-104 cylinder set and hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).

Item no.	Material	Applicable cable (mm <sup>2</sup> )	Bending angle	Weight (kg)
CBH-325	Iron	XPLE 150-325	90	2.8
CBH-325B	Aluminum alloy	XPLE 150-325	90	2.5

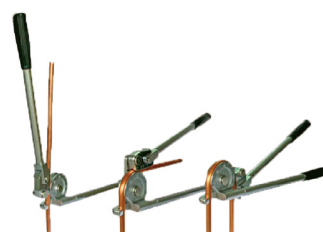
## Manual Brass Bending Tool



Imperial Standard Copper Tube Range		
Item no.	Tube dia. (inch)	Inner Tube Radius (inch)
CT-364A-04	1/4"	9/16"
CT-364A-05	5/16"	11/16"
CT-364A-06	3/8"	15/16"
CT-364A-08	1/2"	1-1/2"
CT-364A-10	5/8"	2-1/4"
CT-364A-12	3/4"	3"
CT-364A-14	7/8"	3"
CT-364A-10-4	5/8"	4"
CT-364A-12-4	3/4"	4"
CT-364A-14-4	7/8"	4"



Metric Standard Copper Tube Range		
Item no.	Tube dia. (mm)	Inner Tube Radius (inch)
CT-364M-04	6	9/16"
CT-364M-08	8	11/16"
CT-364M-10	10	15/16"
CT-364M-12	12	1-1/2"
CT-364M-16	16	2-1/4"
CT-364M-19	19	3"
CT-364M-22	22	3"



## Manual Stainless Steel Tube Bending Tool



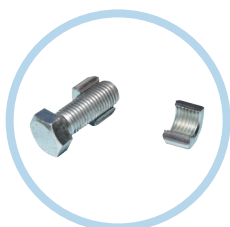
Imperial Standard Copper Tube Range		
Item no.	Tube dia. (inch)	Inner Tube Radius (inch)
CT-366A-04	1/4"	9/16"
CT-366A-05	5/16"	11/16"
CT-366A-06	3/8"	15/16"
CT-366A-08	1/2"	1-1/2"



Metric Standard Copper Tube Range		
Item no.	Tube dia. (mm)	Inner Tube Radius (inch)
CT-366M-04	6	9/16"
CT-366M-08	8	11/16"
CT-366M-10	10	15/16"
CT-366M-12	12	1-1/2"



If there is a rusty nut is hard to remove or replace, this specific tool is able to cut the nut off and remove it easily.



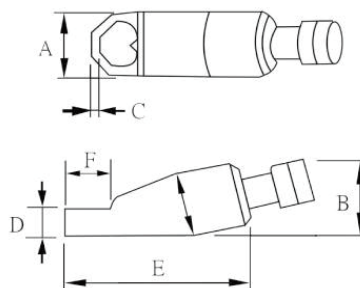
## CNC-1924A

- ◆ High pressure direct type hydraulic tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ Lightweight, easy to carry and operate, suitable for working high above the ground.
- ◆ The alloy-steel-made on the edge of a blade can get rid of all kinds of none-hardness screw nuts.
- ◆ Applicable to break bolts between the ranges: M12 to M16; nuts between the ranges: 19 and 24 (A/F)

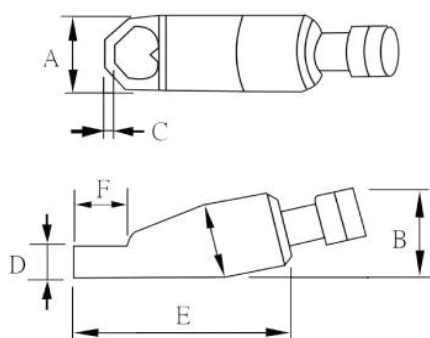
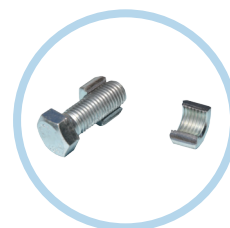


## CNC-2432A

- ◆ High pressure direct type hydraulic tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ Lightweight, easy to carry and operate, suitable for working high above the ground.
- ◆ The alloy-steel-made on the edge of a blade can get rid of all kinds of none-hardness screw nuts.
- ◆ Applicable to break bolts between the ranges: M16 to M22; nuts between the ranges: 24 and 32 (A/F)



Item no.	Output (Ton)	Availble Bolt	Available Nut (mm)	Weight (kg)	Size (mm)					
					A	B	C	D	E	F
CNC-1924A	10	M12-M16	A/F 19-24	4.5	55	71	8	25	153	38
CNC-2432A	17	M16-M22	A/F 24-32	7	62	76	10	30	177	49



## CNC series

- ◆ The main part is made of alloy steel. Lightweight design, easy to operate, not easy to be damaged.
- ◆ The alloy-steel-made on the edge of a blade can get rid of all kinds of none-hardness screw nuts.
- ◆ There are seven standard screw-nut-breaking tools available.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).

Item no.	Output (Ton)	Available Bolt	Available Nut (mm)	Weight (kg)	Size (mm)					
					A	B	C	D	E	F
CNC-1319	5	M6-M12	A/F 13-19	2.3	40	48	6	19	119	28
CNC-1924	10	M12-M16	A/F 19-24	2.3	55	71	8	25	153	38
CNC-2432	14	M16-M22	A/F 24-32	3.1	62	76	10	30	177	49
CNC-3241	20	M22-M27	A/F 32-41	5.1	76	90	15	35	212	63
CNC-4150	35	M27-M33	A/F 41-50	12	96	109	18	45	244	73
CNC-5060	50	M33-M39	A/F 50-60	12.5	106	128	21	54	298	88
CNC-6075	90	M39-M48	A/F 60-75	18.2	156	184	27	75	365	110



## Standard

- ◆ High pressure direct type hydraulic tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ The alloy-steel-made cylinder and claw hooks are not easily deformed, have high safety factor.
- ◆ A combined design of 2-&3-claws and claws in different lengths can be used in and switching for different working environments.
- ◆ Removable telescopic handle and 360° operation designed to facilitate the use in limited space.
- ◆ With rapid positioning adjustment nut design, improving efficiency, saving time and effort.
- ◆ Product surfaces by electroplating treatment, rust and wear-resistant.
- ◆ With fall prevention safety net and portable toolbox.

Item no.	Output (Ton)	Pulling depth (mm)	Pulling OD (mm)	Pulling stroke (mm)	Hook spec. (mm)			Piston spec. (mm)			Weight (kg)
					A	B	C	D	E	F	
CK-4in	4	165	30-200/260	55-105	15	7	22	85	42	25	5.5
CK-6in		165	30-200/260	82-130	15	7	22	85	42	25	5.9
CK-6inL	6	195	30-200/300	82-180	15	7	26	85	42	25	7
CK-6inB		165/195			15	7	26	85	42	25	8.4
CK-8in		210	30-250/355	82-160	20	7	26	85	50	28	8.1
CK-8inL	8	240	30-300/380	82-240	20	9	30	85	50	28	9.4
CK-8inB		210/240			20	7/9	26/30	85	50	28	11.5
CK-15in		240	50-280/380	82-180	20	9	30	85	60	35	9.8
CK-15inL	15	320	50-350/410	82-280	28	11	33	85	60	35	16.7
CK-15inB		240/320			20/28	9/11	30/33	85	60	35	18.9

L: Long claw    B: Long & short claw

## Cobra Enhanced



- ◆ High pressure direct type hydraulic tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ The forging alloy-steel-made cylinder and claw hooks are higher-strength not easily deformed, have high safety factor.
- ◆ Imitation Cobra type claw hook design, using triangular superficial measure design to withstand the maximum pulling up to 56800kgf, increasing more security, reliability.
- ◆ A combined design of 2-&3-claws and claws in different lengths can be used in and switching for different working environments.
- ◆ Removable telescopic handle and 360° operation designed to facilitate the use in limited space.
- ◆ With rapid positioning adjustment nut design, improving efficiency, saving time and effort.
- ◆ Product surfaces by electroplating treatment, rust and wear-resistant.
- ◆ With fall prevention safety net and portable toolbox.

Item no.	Output (Ton)	Pulling depth (mm)	Pulling OD (mm)	Pulling stroke (mm)	Hook spec. (mm)			Piston spec. (mm)			Weight (kg)
					A	B	C	D	E	F	
CK-10inC	10	195	30-250/310	82-130	13	5	22	103	42	25	7.4
CK-10inCL		250			15	8	25	103	42	25	9.9
CK-10inCB		195/250			13/15	5/8	22/25	103	42	25	10.8
CK-12inC	12	240	30-300/370	82-160	15	8	25	103	50	28	10.6
CK-12inCL		280			18	8	29	103	50	28	12.6
CK-12inCB		240/280			15/18	8	25/29	103	50	28	15.6
CK-20inC	20	275	50-360/430	82-180	18	8	29	103	60	35	14
CK-20inCL		330			28	11	33	103	60	35	16.5
CK-20inCB		275/330			18/28	8/11	29/33	103	60	35	22.5
CK-25inC	25	315	50-410/480	110-220	28	11	33	103	66	45	22
CK-25inCL		380			30	14	40	103	66	45	26.5
CK-25inCB		315/380			28/30	11/14	40	103	66	45	33.7
CK-30inC	30	405	100-540/610	110-260	30	14	40	160	76	55	35.4

L: Long claw    B: Long & short claw



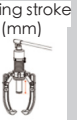

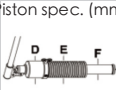


Screw claws  
2 claws

Straight claws  
3claws

## Straight Claw Screw BarType

- ◆ High pressure direct type hydraulic tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ The alloy-steel-made cylinder and claw hooks are not easily deformed, have high safety factor.
- ◆ A combined design of screw claw, straight claw and collocate with press plate. Claws lengths can be lengthen, applicable to long axis, additional three-claw-seat can be purchased separately.
- ◆ Removable telescopic handle and 360° operation designed to facilitate the use in limited space.
- ◆ With rapid positioning adjustment nut design, improving efficiency, saving time and effort.
- ◆ Product surfaces by electroplating treatment, rust and wear-resistant.
- ◆ With fall prevention safety net and portable toolbox.

Item no.	Output (Ton)	 Pulling depth (mm)	 Pulling OD (mm)	 Pulling stroke (mm)	 Hook spec. (mm)			 Piston spec. (mm)			Weight (kg)
					A	B	C	D	E	F	
CK-601	6	300	90-210	82	-	-	-	85	42	25	6.9
CK-601C	10							103			
CK-801	8	300	90-220		-	-	-	85	50	28	7.4
CK-801C	12							103			
CK-602	6	190	90-210		15	7	24	85	42	25	6.6
CK-602C	10							103			
CK-802	8	245	90-220					85	50	28	7.7
CK-802C	12							103			
CK-603	6	190	90-210					85	42	25	8.6
CK-603C	10							103			
CK-803	8	245	90-220					85	50	28	9.8
CK-803C	12							103			






L: Long claw    B: Long & short claw



## Straight Claw Screw Bar Type Combo



- ◆ High pressure direct type hydraulic tool, manually operation inlet oil by high and low two-stage output, the maximum output pressure is 700kgf/cm<sup>2</sup> (10000psi).
- ◆ The alloy-steel-made cylinder and claw hooks are not easily deformed, have high safety factor.
- ◆ A combined design of screw claw, straight claw and collocate with press plate. Claws lengths can be lengthen, applicable to long axis, additional three-claw-seat can be purchased separately.
- ◆ Removable telescopic handle and 360° operation designed to facilitate the use in limited space.
- ◆ With rapid positioning adjustment nut design, improving efficiency, saving time and effort.
- ◆ Product surfaces by electroplating treatment, rust and wear-resistant.
- ◆ With fall prevention safety net and portable toolbox.

Item no.	Output (Ton)	Pulling depth (mm)	Pulling OD (mm)	Pulling stroke (mm)	Hook spec. (mm)			Piston spec. (mm)			Weight (kg)					
						A	B	C		D		E	F			
CK-605	6	190/300	90-210	82	15	7	24	85	42	25	12.6					
CK-605C	10							103			12.5					
CK-805	8	245/300						90-210	82	15	7	24	85	50	28	13.7
CK-805C	12												103			13.5

## Two-slices Type Press Plate



- ◆ The forging alloy-steel-made press plates are not easily deformed.
- ◆ Puller work with kinds of different applications, avoiding damage the demolished objects.
- ◆ To hold the blade-style-designed press plate, suitable for use in narrow space.

Item no.	Output (Ton)	Support range (mm)	Hook spec. (mm)					Weight (kg)
			A	B	C	D	E	
MP-40	4	5-60	4	18	100	62	M10X1.0	0.6
MP-90	4-12	15-110	4	21	125	89	M14X1.5	2.3
MP-115	8-12	15-150	5	26	145	112	M14X1.5	5.1
MP-140	4-15	35-170	7	34	255	153	5/8X18P	4.7
MP-225	20-40	20-180	6	32	255	148	M22X2.5	8.8
MP-300	25-50	25-250	7	40	355	218	M22X2.5	11.3



## Standard

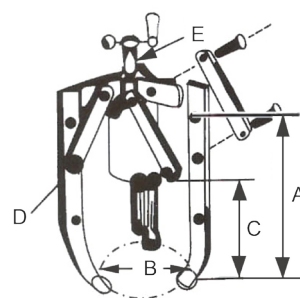
- ◆ Claw hook block and are made of high-strength alloy steel, not easily deformed, high safety factor.
- ◆ 2/3 length with claw and claw combination of design, can freely mix in different working environments.
- ◆ Products are surface treatment, rust and wear-resistant.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Claw length can be custom-made special length and shape.

Item no.	Output (Ton)	Pulling diameter (mm)	Accessory hook	Pulling stroke (mm)
CPS-10L	10	304	3	254
CPS-15L	15	304	3	254
CPS-25L	25	457	3	364
CPS-50L	50	635	3	366



## Hollow Type

- ◆ Claw hook block and are made of high-strength alloy steel, not easily deformed, high safety factor.
- ◆ 2/3 length with claw and claw combination of design, drawing Puller increase the depth range, especially for a small space under the pullout demand.
- ◆ Unique center screw pre-conditioning designed, increasing the range of pulling depth, especially suitable for use in narrow space.
- ◆ Products are surface treatment, rust and wear-resistant.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Claw length can be custom-made special length and shape.



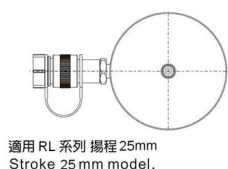
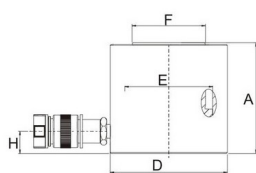
A: Hook length  
B: Pulling range  
C: Axis stroke  
D: Fasten the adjustment screw  
E: Rotation axis

Item no.	Output (Ton)	Hook length A(mm)	Pulling range B(mm)	Axis stroke C(mm)	Pulling stroke (mm)
CPS-10	10	246	50-300	95	28
CPS-20	20	244	50-300	300	89
CPS-30	30	487	800	500	89
CPS-50	50	700	1000	700	85

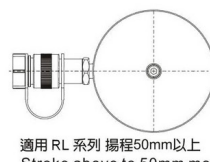
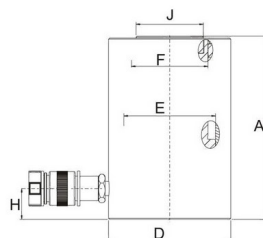
## RL-series Single-acting Cylinder



- ◆ Cylinder is made of high-strength alloy steel, are hardened and not easily deformed.
- ◆ Plunger surface is hard chromium, wear and corrosion resistance.
- ◆ Strong spring to accelerate the speed of the plunger retraction.
- ◆ Special sizes can be customized.



適用 RL 系列 揚程 25mm  
Stroke 25 mm model.



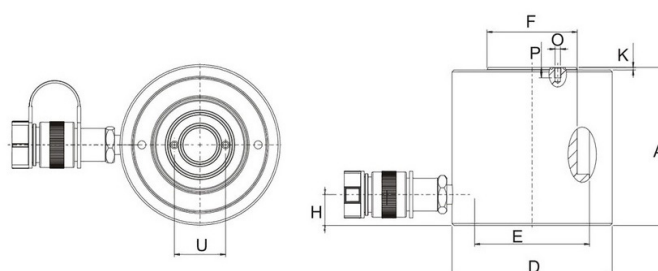
適用 RL 系列 揚程 50mm 以上  
Stroke above to 50mm model.

Item no.	Cylinder cap. ton(kN)	Stroke (mm)	Effective area (cm <sup>2</sup> )	Oil cap. (cc)	Collapsed height A(mm)	Ext. height B(mm)	Outside dia. D(mm)	Inner dia. E(mm)	Plunger dia. F(mm)	Base to adv. port H(mm)	Saddle dia. J(mm)	Weight (kg)
★ RL05-120	5	120	9.6	115	200	320	45	35	28	20	-	1.9
★ RL05-150		150	9.6	144	230	380	45	35	28	20	-	2.1
RL10-25	10 (101)	25	14.46	36.1	80	105	70	42.93	38.10	19.5	-	2.4
RL10-50		50	14.46	72.3	130	180	57	42.93	38.10	19.5	-	2.5
RL10-75		75	14.46	108.4	155	230	57	42.93	38.10	19.5	35	3.1
RL10-100		100	14.46	144.6	180	280	57	42.93	38.10	19.5	35	3.4
★ RL10-120		120	15.90	191	200	320	60	45.00	38.10	20.0	35	3.4
★ RL10-150	20 (198)	150	15.90	238	230	380	60	45.00	38.10	20.0	35	3.8
RL20-25		25	28.26	70.7	80	105	90	60.00	50.00	17.0	-	3.7
RL20-50		50	28.26	141.3	135	185	79	60.00	50.00	22.0	-	4.9
RL20-75		75	28.26	212.0	160	235	79	60.00	50.00	22.0	40	5.6
RL20-100		100	28.26	282.6	185	285	79	60.00	50.00	22.0	40	6.3
★ RL20-120	30 (294)	120	28.26	339	200	320	80	60.00	50.00	20.0	40	6.1
★ RL20-150		150	28.26	423.9	230	380	80	60.00	50.00	20.0	40	6.6
RL30-25		25	42.00	105.0	85	110	99	73.15	57.15	19.0	-	5.0
RL30-50		50	42.00	210.0	145	195	99	73.15	57.15	22.5	-	7.6
RL30-75		75	42.00	315.0	170	245	99	73.15	57.15	22.5	49.5	7.8
RL30-100	50 (498)	100	42.00	420.0	195	295	99	73.15	57.15	22.5	49.5	8.9
★ RL30-120		120	50.24	603.0	200	320	100	80.00	65.00	20.0	-	9.9
★ RL30-150		150	50.24	753.0	230	380	100	80.00	65.00	20.0	-	11.1
RL50-25		25	71.21	175.0	95	120	127	95.25	79.50	24.0	-	8.8
RL50-50		50	71.21	356.0	120	170	127	95.25	79.50	24.0	-	10.5
RL50-75	100 (933)	75	71.21	534.0	190	265	127	95.25	79.50	32.0	70	16.8
★ RL50-100		100	71.21	712.0	215	315	127	95.25	79.50	32.0	70	18.2
★ RL50-120		120	78.50	942.0	245	365	130	100.00	88.00	35.0	-	25.4
★ RL50-150		150	78.50	1177	275	425	130	100.00	88.00	35.0	-	28.0
RL100-25		25	133.27	333.1	100	125	177	130.30	104.90	20.0	-	16.9
RL100-50	150 (1407)	50	133.27	666.3	160	210	177	130.30	104.90	30.0	84	26.8
RL100-100		100	133.27	1332.7	204	304	177	130.30	104.90	30.0	84	36.8
★ RL100-125		125	143.00	1816	250	377	178	135.00	103.00	30.0	84	42.6
RL100-150		150	133.27	1999.0	260	410	178	135.00	104.90	30.0	84	44.3
RL150-50		50	200.96	1004.8	200	250	215	160.00	115.00	50.0	99	50.2
RL150-100	200 (1984)	100	200.96	2009.6	250	350	215	160.00	115.00	50.0	99	60.0
RL150-150		150	200.96	3014.4	300	450	215	160.00	115.00	50.0	99	68.9
RL200-50		50	283.38	1416.9	200	250	255	190.00	135.00	50.0	115	71.6
RL200-100		100	283.38	2833.0	250	350	255	190.00	135.00	50.0	115	85.0
RL200-150		150	283.38	4250.7	300	450	255	190.00	135.00	50.0	115	98.5



## RC Series Outer tooth Style Single-action Hydraulic Cylinder

- ◆ Cylinder is made of high-strength alloy steel, are hardened and not easily deformed.
- ◆ Plunger surface is hard chromium, wear and corrosion resistance.
- ◆ Strong spring to accelerate the speed of the plunger retraction.
- ◆ Special sizes can be customized.



Item no.	Outside size										
	Cylinder cap. ton(kN)	Stroke (mm)	Effective area (cm <sup>2</sup> )	Oil cap. (cc)	Collapsed height A(mm)	Ext. height B(mm)	Outside dia. D(mm)	Inner dia. E(mm)	Plunger dia. F(mm)	Base to adv. port H(mm)	Saddle protrusion from plunger K(mm)
★ RSC-101	10(101)	38	14.50	56.0	88	126	70	43.00	38.00	17.0	2.5
★ RSC-201	20(198)	44	28.30	126.0	98	142	90	60.00	51.00	17.0	1.5
★ RSC-301	30(293)	62	41.90	260.0	117.4	179.4	100	73.00	67.00	17.0	1.4
★ RSC-501	45(445)	60	63.60	382.0	123	183	124	90.00	70.00	23.0	2
★ RSC-1001	90(887)	57	126.70	722.0	141	198	165	127.00	92.20	32.0	1

Item no.	Screw thread size			Weight (kg)
	Thread O(mm)	Thread depth P(mm)	Bolt circle U(mm)	
★ RSC-101	M4	8	26	1.8
★ RSC-201	M5	8	39	4.3
★ RSC-301	M5	8	39	6.0
★ RSC-501	M5	8	39	9.6
★ RSC-1001	M8	10	55	22.7



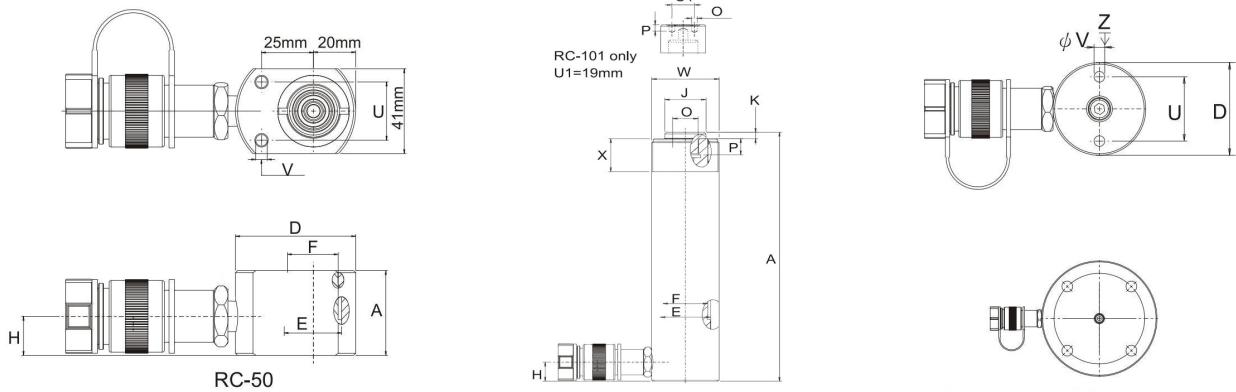


## RC Series

### Outer tooth Style Single-action Hydraulic Cylinder

- ◆ Cylinder outer thread, screw thread of inner plunger and convenient for base fixed.
- ◆ Cylinder is made of high-strength alloy steel, are hardened and not easily deformed.
- ◆ Plunger surface is hard chromium, wear and corrosion resistance.
- ◆ Strong spring to accelerate the speed of the plunger retraction.
- ◆ Special sizes can be customized.

Item no.	Outside size											
	Cylinder cap. ton(kN)	Stroke (mm)	Effective area (cm <sup>2</sup> )	Oil cap. (cc)	Collapsed height A(mm)	Ext. height B(mm)	Outside dia. D(mm)	Inner dia. E(mm)	Plunger dia. F(mm)	Base to adv. port H(mm)	Saddle dia. J(mm)	Saddle protrusion from plunger K(mm)
★ RC-50	5 (45)	16	6.50	10.0	41	57	58	28.70	25.40	19.0	-	-
★ RC-51		25	6.50	16.0	110	135	38	28.70	25.40	19.0	25	6
★ RC-53		76	6.50	50.0	165	241	38	28.70	25.40	19.0	25	6
RC-55		127	6.50	83.0	215	342	38	28.70	25.40	19.0	25	6
RC-57		177	6.50	115.0	273	450	38	28.70	25.40	19.0	25	6
RC-59		232	6.50	151.0	323	555	38	28.70	25.40	19.0	25	6
★ RC-101	10 (101)	26	14.50	38.0	89	115	57	42.90	38.10	19.0	-	-
★ RC-102		54	14.50	78.0	121	175	57	42.90	38.10	19.0	35	6
★ RC-104		105	14.50	152.0	171	276	57	42.90	38.10	19.0	35	6
RC-106		156	14.50	226.0	247	403	57	42.90	38.10	19.0	35	6
RC-108		203	14.50	294.0	298	501	57	42.90	38.10	19.0	35	6
RC-1010		257	14.50	373.0	349	606	57	42.90	38.10	19.0	35	6
RC-1012	15 (142)	304	14.50	441.0	400	704	57	42.90	38.10	19.0	35	6
RC-1014		356	14.50	516.0	450	806	57	42.90	38.10	19.0	35	6
RC-151		26	20.30	51.0	124	149	69	50.80	41.10	19.0	38	9
RC-152		51	20.30	104.0	149	200	69	50.80	41.10	19.0	38	9
RC-154		101	20.30	205.0	200	301	69	50.80	41.10	19.0	38	9
RC-156		152	20.30	308.0	271	423	69	50.80	41.10	25.0	38	9
RC-158	25 (232)	203	20.30	411.0	322	525	69	50.80	41.10	25.0	38	9
RC-1510		254	20.30	516.0	373	627	69	50.80	41.10	25.0	38	9
RC-1512		305	20.30	619.0	423	728	69	50.80	41.10	25.0	38	9
RC-1514		356	20.30	723.0	474	830	69	50.80	41.10	25.0	38	9
★ RC-251		26	33.20	86.0	139	165	85	65.00	57.20	25.0	50	10
★ RC-252		50	33.20	166.0	165	215	85	65.00	57.20	25.0	50	10
★ RC-254	30(295)	102	33.20	339.0	215	317	85	65.00	57.20	25.0	50	10
RC-256		158	33.20	525.0	273	431	85	65.00	57.20	25.0	50	10
RC-258		210	33.20	697.0	323	533	85	65.00	57.20	25.0	50	10
RC-2510		261	33.20	867.0	374	635	85	65.00	57.20	25.0	50	10
RC-2512		311	33.20	1033.0	425	736	85	65.00	57.20	25.0	50	10
RC-2514		362	33.20	1202.0	476	838	85	65.00	57.20	25.0	50	10
RC-308	50 (498)	209	42.10	880.0	387	596	101	73.20	57.20	57.0	50	10
RC-502		51	71.20	362.0	176	227	127	95.20	79.50	33.0	71	2
RC-504		101	71.20	719.0	227	328	127	95.20	79.50	33.0	71	2
RC-506		159	71.20	1131.0	282	441	127	95.20	79.50	35.0	71	2
RC-5013		337	71.20	2399.0	460	797	127	95.20	79.50	35.0	71	2
RC-756		156	102.60	1601.0	285	441	146	114.30	95.20	30.0	71	5
RC-7513	75 (718)	333	102.60	3417.0	492	825	146	114.30	95.20	30.0	71	5
RC-1004		102	133.3	1355	204	306	177	130.30	104.9	41.0	71	2
RC-1006		168	133.3	2239	357	525	177	130.30	104.9	41.0	71	2
RC-1008		203	133.3	2709	357	576	177	130.30	104.9	41.0	71	2
RC-10010		260	133.3	3466	449	709	177	130.30	104.9	41.0	71	2

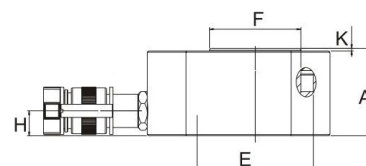
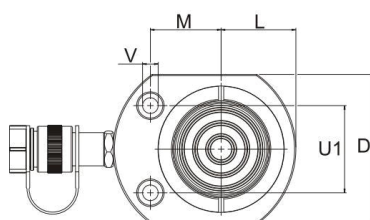


Item no.	Screw thread size				Base mounting holes			Weight (kg)
	Plunger inner thread O(mm)	Plunger thread length P(mm)	Collar thread W(inch)	Collar thread length X(mm)	Bolt circle U(mm)	Thread V(inch)	Thread depth Z(mm)	
★ RC-50	-	-	-	-	28	5.6mm	-	1.0
★ RC-51	3/4"-16	14	1 1/2"-16	28	25	1/4"-20UN	14	1.0
★ RC-53	3/4"-16	14	1 1/2"-16	28	25	1/4"-20UN	14	1.5
RC-55	3/4"-16	14	1 1/2"-16	28	25	1/4"-20UN	14	1.9
RC-57	3/4"-16	16	1 1/2"-16	28	25	1/4"-20UN	14	2.4
RC-59	3/4"-16	16	1 1/2"-16	28	25	1/4"-20UN	14	2.8
★ RC-101	#10-24UN	6	2 1/4"-14	26	39	5/16"-18UN	12	1.8
★ RC-102	1"-8	19	2 1/4"-14	26	39	5/16"-18UN	12	2.3
★ RC-104	1"-8	19	2 1/4"-14	26	39	5/16"-18UN	12	3.3
RC-106	1"-8	19	2 1/4"-14	26	39	5/16"-18UN	12	4.4
RC-108	1"-8	19	2 1/4"-14	26	39	5/16"-18UN	12	5.4
RC-1010	1"-8	19	2 1/4"-14	26	39	5/16"-18UN	12	6.4
RC-1012	1"-8	19	2 1/4"-14	26	39	5/16"-18UN	12	6.8
RC-1014	1"-8	19	2 1/4"-14	26	39	5/16"-18UN	12	8.2
RC-151	1"-8	25	2 3/4"-16	30	47	3/8"-16UN	12	3.3
RC-152	1"-8	25	2 3/4"-16	30	47	3/8"-16UN	12	4.1
RC-154	1"-8	25	2 3/4"-16	30	47	3/8"-16UN	12	5.0
RC-156	1"-8	25	2 3/4"-16	30	47	3/8"-16UN	12	6.8
RC-158	1"-8	25	2 3/4"-16	30	47	3/8"-16UN	12	8.2
RC-1510	1"-8	25	2 3/4"-16	30	47	3/8"-16UN	12	9.5
RC-1512	1"-8	25	2 3/4"-16	30	47	3/8"-16UN	12	10.9
RC-1514	1"-8	25	2 3/4"-16	30	47	3/8"-16UN	12	11.8
★ RC-251	1 1/2"-16	25	3 5/16"-12	49	58	1/2"-13UN	19	5.9
★ RC-252	1 1/2"-16	25	3 5/16"-12	49	58	1/2"-13UN	19	6.4
★ RC-254	1 1/2"-16	25	3 5/16"-12	49	58	1/2"-13UN	19	8.2
RC-256	1 1/2"-16	25	3 5/16"-12	49	58	1/2"-13UN	19	10.0
RC-258	1 1/2"-16	25	3 5/16"-12	49	58	1/2"-13UN	19	12.2
RC-2510	1 1/2"-16	25	3 5/16"-12	49	58	1/2"-13UN	19	14.1
RC-2512	1 1/2"-16	25	3 5/16"-12	49	58	1/2"-13UN	19	16.3
RC-2514	1 1/2"-16	25	3 5/16"-12	49	58	1/2"-13UN	19	17.1
RC-308	1 1/2"-16	25	3 5/16"-12	49	-	-	-	18.1
RC-502	-	-	5"-12	55	95	1/2"-13UN	19	15.0
RC-504	-	-	5"-12	55	95	1/2"-13UN	19	19.1
RC-506	-	-	5"-12	55	95	1/2"-13UN	19	23.1
RC-5013	-	-	5"-12	55	95	1/2"-13UN	19	37.6
RC-756	-	-	5 3/4"-12	44	-	-	-	29.5
RC-7513	-	-	5 3/4"-12	44	-	-	-	59.0
RC-1004	-	-	6 7/8"-12	44	-	-	-	33.1
RC-1006	-	-	7 7/8"-12	44	139	3/4"-10UN	25	59.0
RC-1008	-	-	8 7/8"-12	44	139	3/4"-10UN	25	59.0
RC-10010	-	-	9 7/8"-12	44	139	3/4"-10UN	25	72.6

## RMC Series Ultra-thin Hydraulic Cylinder



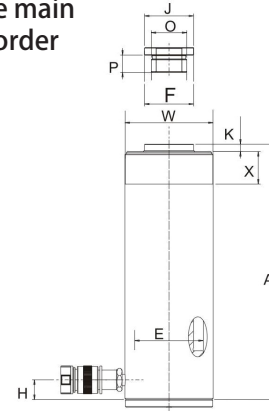
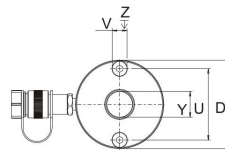
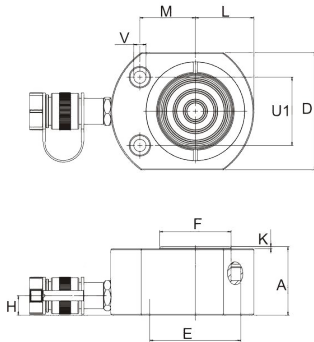
- ◆ Flat designed for narrow spaces.
- ◆ Hydraulic steel made of high-strength alloy steel, are hardened, not deformed.
- ◆ Spindle surface is hard chrome, wear and corrosion resistance.
- ◆ Strong spring to accelerate the speed of the spindle retraction.
- ◆ Base mounting holes can be easily to fixed on the objects.
- ◆ Special sizes can be customized.



Item no.	Outside size										
	Cylinder cap. ton(kN)	Stroke (mm)	Effective area (cm <sup>2</sup> )	Oil cap. (cc)	Collapsed height A(mm)	Ext. height B(mm)	Outside dia. D(mm)	INner dia. E(mm)	Plunger dia. F(mm)	Base to adv. port H(mm)	Saddle protrusion from plunger K(mm)
RMC-50	5(45)	6	6.50	4.0	32	38	58X41	28.70	25.40	16	1
★ RMC-101	10(101)	11	14.50	18.0	43	54	81X56	43.00	38.00	19	1
★ RMC-201	20(201)	11	28.30	32.0	52	63	100X76	60.00	51.00	19	1
★ RMC-301	30(295)	12	41.90	55.0	59	71	115X95	73.00	64.00	19	1
★ RMC-501	45(435)	16	63.60	99.0	67	83	130X114	90.00	70.00	19	2
RMC-750	75(718)	16	102.60	164.0	79	95	165X139	114.30	82.60	19	2
★ RMC-1000	90(887)	16	126.70	203.0	85	101	178X153	127.00	92.20	19	2
RMC-1500	150(1386)	16	198.10	317.0	100	116	215X190	158.80	114.30	23	2

Item no.	Outside size		Base mounting holes				Weight (kg)
	Plunger to base L(mm)	Plunger to Mtg. hole M(mm)	Hole pitch. U1(mm)	Hole dia. V(mm)	Counter bore dia. (mm)	Counter bore depth (mm)	
RMC-50	20	22	28.5	5.5	7.9	4.3	1.0
★ RMC-101	28	34	36.6	7.1	10.7	7.9	1.2
★ RMC-201	39	40	49.3	10.0	15.1	9.9	2.4
★ RMC-301	48	44	52.3	10.0	15.9	11.2	3.7
★ RMC-501	57	54	66.5	11.9	19.0	12.7	6.0
RMC-750	69	66	76.2	13.5	20.6	14.2	11.3
★ RMC-1000	76	74	76.2	13.5	20.6	14.2	14.5
RMC-1500	95	82	117.3	13.5	20.6	14.2	26.3

## RHC series Hollow Single-action Hydraulic Cylinder



- ◆ Hydraulic steel made of high-strength alloy steel, are hardened, not deformed.
- ◆ Spindle surface is hard chrome, wear and corrosion resistance.
- ◆ Hollow plunger design can be applied to thrust and pulling force.
- ◆ The low outer-shaped, flat designed, suitable for kinds of for narrow spaces.
- ◆ Strong spring to accelerate the speed of the spindle retraction.
- ◆ Special hollow plunger protects the main plunger and cylinder inner wall, in order to increase product life.
- ◆ External thread can be easily fixed.
- ◆ Special sizes can be customized.

Item no.	Outside size											
	Cylinder cap. ton(kN)	Stroke (mm)	Effective area (cm <sup>2</sup> )	Oil cap. (cc)	Collapsed height A(mm)	Ext. height B(mm)	Outside dia. D(mm)	Inner dia. E(mm)	Plunger dia. F(mm)	Base to adv. port H(mm)	Saddle dia. J(mm)	Saddle protrusion from plunger K(mm)
RHC-120	12 (125)	8	17.90	14.0	55	63	69	54.10	35.10	9.0	-	-
RHC-121		42	17.90	75.0	120	162	69	54.10	35.10	19.0	-	-
RHC-1211		42	17.90	75.0	120	162	69	54.10	35.10	19.0	-	-
RHC-123		76	17.90	136.0	184	260	69	54.10	35.10	19.0	-	-
★ RHC-202	20 (215)	49	30.70	150.0	162	211	98	73.10	54.10	19.0	54	6.9
RHC-204		102	30.70	311.0	242	344	98	73.10	54.10	19.0	54	6.9
RHC-206		155	30.70	476.0	306	461	98	73.10	54.10	19.0	54	6.9
★ RHC-302	30 (326)	64	46.60	298.0	178	242	114	88.90	63.50	22.0	63	9.7
RHC-304		102	46.60	473.0	233	335	114	88.90	63.50	22.0	63	9.7
RHC-306		155	46.60	722.0	330	485	114	88.90	63.50	25.0	63	9.7
★ RHC-603	60 (576)	76	82.30	626.0	247	323	159	123.90	91.90	31.0	91	12.7
RHC-606		153	82.30	1259.0	323	476	159	123.90	91.90	31.0	91	12.7
RHC-1003	95(931)	76	133.00	1011.0	254	330	212	165.10	127.00	38.0	126	12.7

Item no.	Screw thread size				Base mounting holes			Weight (kg)	Weight (kg)
	Plunger inner thread O(mm)	Plunger thread length P(mm)	Collar thread W(inch)	Collar thread length X(mm)	Bolt circle U(mm)	Thread V(inch)	Thread depth Z(mm)		
RHC-120	3/4"-16UN	16	2 3/4"-16	30	19.6	50.8	5/16"-18UNC	9	1.70
RHC-121	-	-	2 3/4"-16	30	19.6	50.8	5/16"-18UNC	9	3.00
RHC-1211	3/4"-16UN	16	2 3/4"-16	30	19.6	50.8	5/16"-18UNC	9	3.00
RHC-123	-	-	2 3/4"-16	30	19.6	50.8	5/16"-18UNC	12.7	4.60
★ RHC-202	1 9/16"-16UN	19	3 7/8"-12	38	26.9	82.6	3/8"-16UNC	9.4	8.20
RHC-204	1 9/16"-16UN	19	3 7/8"-12	38	26.9	82.6	3/8"-16UNC	9.4	10.50
RHC-206	1 9/16"-16UN	19	3 7/8"-12	38	26.9	82.6	3/8"-16UNC	9.4	14.60
★ RHC-302	1 13/16"-16UN	22	4 1/2"-12	42	33.3	92.2	3/8"-16UNC	14	11.55
RHC-304	1 13/16"-16UN	22	4 1/2"-12	42	33.3	92.2	3/8"-16UNC	14	14.75
RHC-306	1 13/16"-16UN	22	4 1/2"-12	42	33.3	92.2	3/8"-16UNC	14	22.45
★ RHC-603	2 3/4"-16UN	19	6 1/4"-12	48	53.8	130.3	1/2"-13UNC	14	29.70
RHC-606	2 3/4"-16UN	19	6 1/4"-12	48	53.8	130.3	1/2"-13UNC	14	37.00
RHC-1003	4"-16UN	25	6 1/4"-12	60	79	177.8	5/8"-11UNC	19	66.60

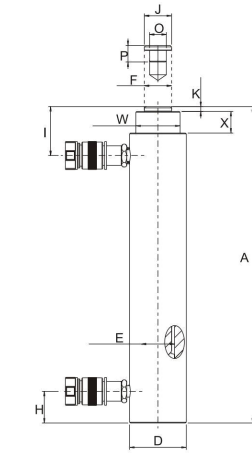


## RSR series Double-acting Hydraulic Cylinder

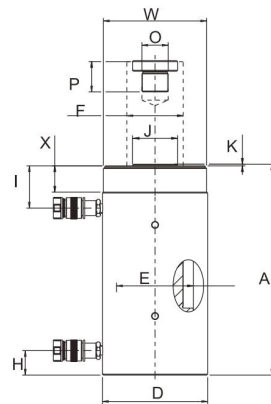
- ◆ Hydraulic steel made of high-strength alloy steel, are hardened, not deformed.
- ◆ Spindle surface is hard chrome, wear and corrosion resistance.
- ◆ Holes design of thrust and pulling force applied to the application, the increase actuator speed.
- ◆ Safety valve designed to prevent overpressure damage.

Item no.	Outside size												
	Cylinder cap. ton(kN)	Stroke (mm)	Max. Cylinder cap. ton(kN)		Effective area (cm <sup>2</sup> )		Oil cap. (cc)		Collapsed height A (mm)	Ext. height B (mm)	Outside dia. D (mm)	Inner dia. E (mm)	Plunger dia. F (mm)
			Push	Pull	Push	Pull	Push	Pull					
RSR-1010	10	254	101	33	14.5	4.8	368	122	409	663	73	42.9	34.9
RSR-1012	(101)	305	101	33	14.5	4.8	442	147	457	762	73	42.9	34.9
RSR-308	30	209	295	133	42.1	19.1	879	400	387	596	101	73.2	54.1
RSR-3014	(295)	368	295	133	42.1	19.1	1549	703	549	917	101	73.2	54.1
RSR-506	50	156	498	150	71.2	21.5	1111	335	331	487	127	95.2	79.5
RSR-5013	(498)	334	498	150	71.2	21.5	2378	718	509	843	127	95.2	79.5
RSR-5020		511	498	150	71.2	21.5	3638	1099	733	1244	127	95.2	79.5
RSR-756	75	156	718	220	102.6	31.4	1601	490	347	503	146	114.3	95.2
RSR-7513	(718)	333	718	220	102.6	31.4	3417	1046	525	858	146	114.3	95.2
RSR-1006	95	168	933	435	133.3	62.2	2238	1045	357	525	177	130.3	95.2
RSR-10013	(933)	333	933	435	133.3	62.2	4439	2071	524	857	177	130.3	95.2
RSR-10018		460	933	435	133.3	62.2	6132	2861	687	1147	177	130.3	95.2
RSR-1502	140	57	1386	668	198.1	95.4	1129	544	196	253	203	158.8	114.3
RSR-1506	(1386)	156	1386	668	198.1	95.4	3090	1488	385	541	203	158.8	114.3
RSR-15013		333	1386	668	198.1	95.4	6597	3177	563	897	203	158.8	114.3
RSR-15032		815	1386	668	198.1	95.4	16145	7775	1116	1931	203	158.8	114.3
RSR-2006	200	152	1995	1017	285.0	145.3	4332	2209	430	582	247	190.5	133.4
RSR-20013	(1995)	330	1995	1017	285.0	145.3	9405	4795	608	938	247	190.5	133.4
RSR-20018		457	1995	1017	285.0	145.3	13025	6640	765	1222	247	190.5	133.4
RSR-20024		610	1995	1017	285.0	145.3	17385	8863	917	1527	247	190.5	133.4
RSR-20036		914	1995	1017	285.0	145.3	26049	13280	1222	2136	247	190.5	133.4
RSR-20048		1219	1995	1017	285.0	145.3	34741	17712	1527	2746	247	190.5	133.4
RSR-3006	325	153	3201	1703	457.3	243.2	6997	3721	485	638	311	241.3	165.1
RSR-30012	(3201)	305	3201	1703	457.3	243.2	13947	7418	638	943	311	241.3	165.1
RSR-30018		457	3201	1703	457.3	243.2	20889	11114	790	1247	311	241.3	165.1
RSR-30024		609	3201	1703	457.3	243.2	27850	14811	943	1552	311	241.3	165.1
RSR-30036		915	3201	1703	457.3	243.2	41843	22253	1247	2162	311	241.3	165.1
RSR-30048		1219	3201	1703	457.3	243.2	55745	29646	1552	2771	311	241.3	165.1
RSR-4006	440	152	4292	2297	613.1	328.1	9319	4987	538	690	358	279.4	190.5
RSR-40012	(4292)	305	4292	2297	613.1	328.1	18700	10007	690	995	358	279.4	190.5
RSR-40018		457	4292	2297	613.1	328.1	28018	14995	843	1300	358	279.4	190.5
RSR-40024		610	4292	2297	613.1	328.1	37400	20014	995	1605	358	279.4	190.5
RSR-40036		914	4292	2297	613.1	328.1	56037	29988	1300	2214	358	279.4	190.5
RSR-40048		1219	4292	2297	613.1	328.1	74737	39996	1608	2824	358	279.4	190.5
RSR-5006	520	153	5108	2838	729.7	405.4	11164	6203	577	730	397	304.8	203.2
RSR-50012	(5108)	305	5108	2838	729.7	405.4	22256	12365	730	1035	397	304.8	203.2
RSR-50018		457	5108	2838	729.7	405.4	33347	18526	882	1339	397	304.8	203.2
RSR-50024		609	5108	2838	729.7	405.4	4440	24689	1035	1644	397	304.8	203.2
RSR-50036		915	5108	2838	729.7	405.4	66768	36973	1339	2254	397	304.8	203.2
RSR-50048		1219	5108	2838	729.7	405.4	88951	49418	1644	2863	397	304.8	203.2



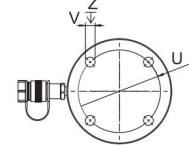


RSR-1010 to RSR-3014 models

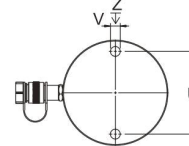


RSR-506 to RSR-50048 models

No mounting hole on  
RSR-506/ 5013 /  
756 / 7513 / 1502 / 15032



RSR-1006 to RSR-30048 models


RSR-5020/  
RSR-4006 to RSR-50048 models

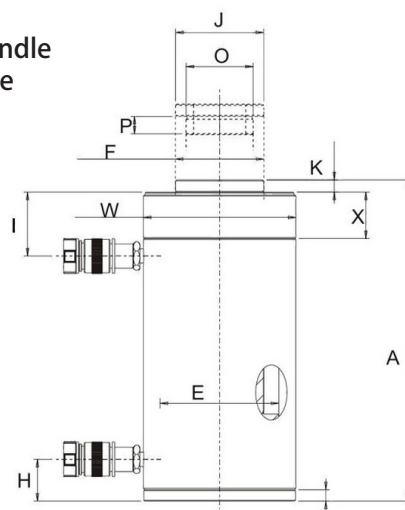
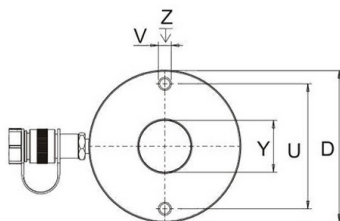
Item no.	Outside size				Screw thread size				Base mounting holes			Weight (kg)
	Base to adv. port H(mm)	Top to return port I(mm)	Saddle dia. J(mm)	Saddle protrusion from plunger K(mm)	Plunger inner thread O(mm)	Plunger thread length P(mm)	Collar thread W(inch)	Collar thread length X(mm)	Bolt circle U(mm)	Thread V(inch)	Thread depth Z(mm)	
RSR-1010	36	57	35	6	1"-8	25	2 1/4"-14	26	-	-	-	12
RSR-1012	36	57	35	6	1"-8	25	2 1/4"-14	26	-	-	-	14
RSR-308	57	81	50	10	1 1/2"-16	25	3 5/16"-12	49	-	-	-	18
RSR-3014	57	81	50	10	1 1/2"-16	25	3 5/16"-12	49	-	-	-	29
RSR-506	28	76	71	2	1"-12	25	5"-12	50	-	-	-	30
RSR-5013	28	76	71	2	1"-12	25	5"-12	50	-	-	-	52
RSR-5020	57	76	71	2	1"-12	25	5"-12	50	76	1/2"-13	25	68
RSR-756	30	76	71	6	1"-12	38	5 3/4"-12	38	-	-	-	41
RSR-7513	30	81	71	6	1"-12	38	5 3/4"-12	38	-	-	-	68
RSR-1006	38	71	76	3	1 3/4"-12	35	6 7/8"-12	50	139	3/4"-10	25	61
RSR-10013	38	71	76	3	1 3/4"-12	35	6 7/8"-12	50	139	3/4"-10	25	93
RSR-10018	41	92	76	3	1 3/4"-12	35	6 7/8"-12	50	139	3/4"-10	25	117
RSR-1502	22	66	93	19	-	-	-	-	-	-	-	49
RSR-1506	49	84	114	19	3 3/8"-16	35	8"-12	60	158	3/4"-16	28	93
RSR-15013	49	84	114	19	3 3/8"-16	35	8"-12	60	158	3/4"-16	28	124
RSR-15032	76	88	114	19	3 3/8"-16	35	8"-12	60	-	-	-	238
RSR-2006	57	96	133	22	-	-	-	-	127	1"-8	25	147
RSR-20013	57	96	133	22	2 1/2"-12	63	9 3/4"-12	54	127	1"-8	25	199
RSR-20018	85	101	133	22	2 1/2"-12	63	9 3/4"-12	54	127	1"-8	25	121
RSR-20024	85	101	133	22	2 1/2"-12	63	9 3/4"-12	54	127	1"-8	25	179
RSR-20036	85	101	133	22	2 1/2"-12	63	9 3/4"-12	54	127	1"-8	25	383
RSR-20048	85	101	133	22	2 1/2"-12	63	9 3/4"-12	54	127	1"-8	25	483
RSR-3006	88	114	165	28	2 1/2"-12	82	12 1/4"-12	58	158	1 1/4"-7	44	245
RSR-30012	88	114	165	28	2 1/2"-12	82	12 1/4"-12	58	158	1 1/4"-7	44	312
RSR-30018	88	114	165	28	2 1/2"-12	82	12 1/4"-12	58	158	1 1/4"-7	44	385
RSR-30024	88	114	165	28	2 1/2"-12	82	12 1/4"-12	58	158	1 1/4"-7	44	469
RSR-30036	88	114	165	28	2 1/2"-12	82	12 1/4"-12	58	158	1 1/4"-7	44	628
RSR-30048	88	114	165	28	2 1/2"-12	82	12 1/4"-12	58	158	1 1/4"-7	44	780
RSR-4006	108	113	190	28	3"-12	95	14 1/8"-8	65	203	1 1/2"-6	50	303
RSR-40012	108	113	190	28	3"-12	95	14 1/8"-8	65	203	1 1/2"-6	50	399
RSR-40018	108	113	190	28	3"-12	95	14 1/8"-8	65	203	1 1/2"-6	50	453
RSR-40024	108	113	190	28	3"-12	95	14 1/8"-8	65	203	1 1/2"-6	50	597
RSR-40036	108	113	190	28	3"-12	95	14 1/8"-8	65	203	1 1/2"-6	50	792
RSR-40048	108	113	190	28	3"-12	95	14 1/8"-8	65	203	1 1/2"-6	50	980
RSR-5006	120	152	203	28	3 1/4"-12	108	15 5/8"-8	79	203	1 3/4"-5	54	432
RSR-50012	120	152	203	28	3 1/4"-12	108	15 5/8"-8	79	203	1 3/4"-5	54	589
RSR-50018	120	152	203	28	3 1/4"-12	108	15 5/8"-8	79	203	1 3/4"-5	54	680
RSR-50024	120	152	203	28	3 1/4"-12	108	15 5/8"-8	79	203	1 3/4"-5	54	816
RSR-50036	120	152	203	28	3 1/4"-12	108	15 5/8"-8	79	203	1 3/4"-5	54	1002
RSR-50048	120	152	203	28	3 1/4"-12	108	15 5/8"-8	79	203	1 3/4"-5	54	1224

## RRH Series

### Hollow double-acting hydraulic cylinder



- ◆ Hydraulic steel made of high-strength alloy steel, are hardened, not deformed.
- ◆ Spindle surface is hard chrome, wear and corrosion resistance.
- ◆ Hollow plunger design thrust and pulling force applied to the application, the increase actuator speed.
- ◆ Safety valve designed to prevent overpressure damage.
- ◆ Special hollow tube protects the spindle and cylinder wall, in order to increase product life.
- ◆ External thread can be easily fixed.
- ◆ Special sizes can be customized.



Item no.	Outside size												
	Cylinder cap. ton(kN)	Stroke (mm)	Max. Cylinder cap.ton(kN)		Effective area (cm <sup>2</sup> )		Oil cap.(cc)		Collapsed height A(mm)	Ext. height B(mm)	Outside dia. D(mm)	INner dia. E(mm)	Plunger dia. F(mm)
			Push	Pull	Push	Pull	Push	Pull					
RRH-307	30(326)	178	326.0	213.0	46.6	30.4	829.0	541.0	330	508	114	88.90	63.50
RRH-3010		258	326.0	213.0	46.6	30.4	1202.0	784.0	431	689	114	88.90	63.50
RRH-603	60(576)	89	576.0	380.0	82.3	54.2	733.0	482.0	247	336	159	123.90	92.20
RRH-606		166	576.0	380.0	82.3	54.2	1366.0	900.0	323	489	159	123.90	92.20
RRH-6010		257	576.0	380.0	82.3	54.2	2115.0	1393.0	438	695	159	123.90	92.20
RRH-1001	95(931)	38	931.0	612.0	133.0	87.4	505.0	333.0	165	203	212	165.10	127.00
RRH-1003		76	931.0	612.0	133.0	87.4	1011.0	666.0	254	330	212	165.10	127.00
RRH-1006		153	931.0	612.0	133.0	87.4	2035.0	1337.0	342	495	212	165.10	127.00
RRH-10010		257	931.0	612.0	133.0	87.4	3420.0	2246.0	460	717	212	165.10	127.00
RRH-1508	145(1429)	203	1429.0	718.0	204.1	102.6	4144.0	2083.0	349	552	247	190.50	152.40

Item no.	Outside size				Screw thread size					Base mounting holes			Weight (kg)
	Base to adv. port H(mm)	Top to return port I(mm)	Saddle dia. J(mm)	Saddle protrusion from plunger K(mm)	PLunger inner thread O(mm)	Plunger thread length P(mm)	Collar thread W(inch)	Collar thread length X(mm)	Center hold dia. Y(mm)	Bolt circle U(mm)	Thread V(inch)	Thread depth Z(mm)	
RRH-307	25.0	60	63	9	1 13/16"-16	22	4 1/2"-12	42	33.30	92.20	3/8"-16	15.7	21.65
RRH-3010	25.0	60	63	9	1 13/16"-16	22	4 1/2"-12	42	33.30	92.20	3/8"-16	15.7	27.65
RRH-603	31.0	66	91	12	2 3/4"-16	19	6 1/4"-12	48	54.10	130.00	1/2"-13	14.0	29.60
RRH-606	31.0	66	91	12	2 3/4"-16	19	6 1/4"-12	48	54.10	130.00	1/2"-13	14.0	36.60
RRH-6010	31.0	66	91	12	2 3/4"-16	19	6 1/4"-12	48	54.10	130.00	1/2"-13	14.0	46.60
RRH-1001	38.0	44	126	12	4"-16	25	-	-	79.50	177.80	5/8"-11	19.0	36.60
RRH-1003	38.0	85	126	12	4"-16	25	8 3/8"-12	60	79.50	177.80	5/8"-11	19.0	64.60
RRH-1006	38.0	85	126	12	4"-16	25	8 3/8"-12	60	79.50	177.80	5/8"-11	19.0	82.60
RRH-10010	38.0	85	126	12	4"-16	25	8 3/8"-12	60	79.50	177.80	5/8"-11	19.0	109.60
RRH-1508	38.0	60	127	4	4 1/4"-12	25	-	-	79.50	214.00	5/8"-11	15.0	116.00



## Standard Bottle Jack Series

- ◆ Single-stage hydraulic pump, hydraulic piston rod design direct thrust load, rotate oil-returned switch, easy to operate.
- ◆ Excellent raw material base material used in manufacturing, quality, than the general tradition of manufacturing ductile iron products.
- ◆ Hard chrome steel spindle, durable rust.
- ◆ Base's material is used in processing and manufacturing, high quality, better than the traditional ductile iron casting products.

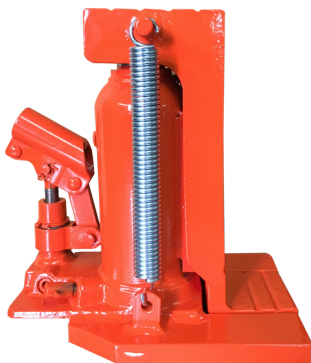
Item no.	Tonnage (Ton)	Collapsed height (mm)	Stroke (mm)	Auxiliary height (mm)	Ext. height (mm)	Base dimension L x W (mm)
SH-2	2	180	115	50	345	110X68
SH-5	5	200	120	70	390	134X77
SH-10	12	240	150	80	470	166X106
SH-20	20	270	160	-	430	182X128
SH-30	30	280	160	-	440	192X142
SH-50	50	300	180	-	480	240X220

Toe jacks are generally used in the objects that is low from the ground, and the general jack cannot facilitate well.

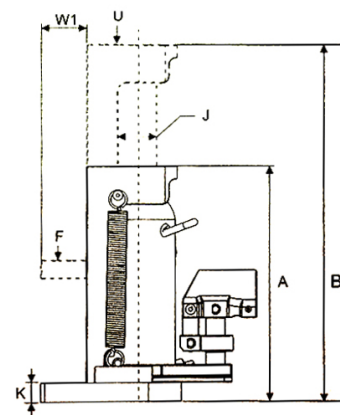
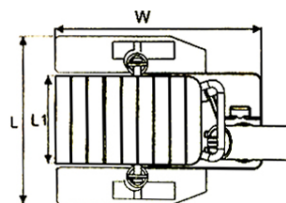
As a result, needing the claws part to withstand the objects and lift them.

Claws part can withstand the half of cylinder's load capacity(tons).

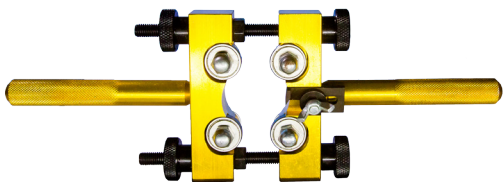
## Professional Claw Jack Series



- ◆ Single-stage hydraulic pump, hydraulic piston rod design direct thrust load, rotary switch back to the oil, easy to operate.
- ◆ Excellent raw material base material used in manufacturing, quality, than the general tradition of manufacturing ductile iron products.
- ◆ Hard chrome steel spindle, durable rust.
- ◆ The claws are integrally formed steel, strong structure.



Item no.	Top cap. U(Ton)	Low toe-lift cap. F(Ton)	Stroke (mm)	Collapsed height A(mm)	Ext. height B(mm)	Toe height K(mm)	Toe-lift base W1xL1 (mm)	Weight (Kg)
SL-5	5	2.5	110	240	350	16	50X70	12
SL-10	10	5	147	282	387	22	55X98	20
SL-20	20	10	152	310	462	25	63X123	31
SL-30	30	15	155	330	485	28	60X149	42
SL-50	50	25	155	370	525	40	75X190	85



## TSC-25 / TSC-40 PE Insulate Cable Stripper

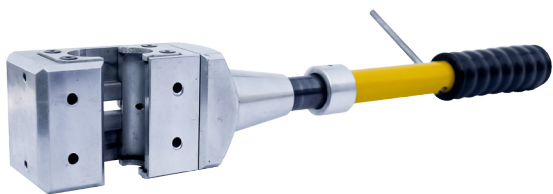
- ◆ Adjustable bolt design, free to adjust the outer diameter of cable, do not need to change the mold.
- ◆ Using the bearing rotation design, simple operation, easy to rotate and strip the cable.

## TSC-130 PE Insulate Cable Stripper

- ◆ Adjustable bolt design, free to adjust the outer diameter of cable, do not need to change the mold.
- ◆ Using the bearing rotation design, simple operation, easy to control the cutting size and rotate, strip the cable.



Item no.	Stripping diameter (mm)	Weight (kg)
TSC-25	Ø25-Ø38	0.68
TSC-40	Ø38-Ø50	1.22
TSC-130	Ø80-Ø130	3.2



## TSC-240 Altitude Bifurcation Cable Stripper

- ◆ Replaceable blade, with different diameter to take the epidermis off, the cut surface is smooth, fast and easy.
- ◆ Handle is made of F.R.P material that can insulate voltage.

Item no.	Stripping range (mm <sup>2</sup> )	Weight (kg)	Size (mm)	Note
TSC-240	50,70,95,120,150,185,240	1.8	510X90X70	Optional blade



## CSC-40 Cable Stripper

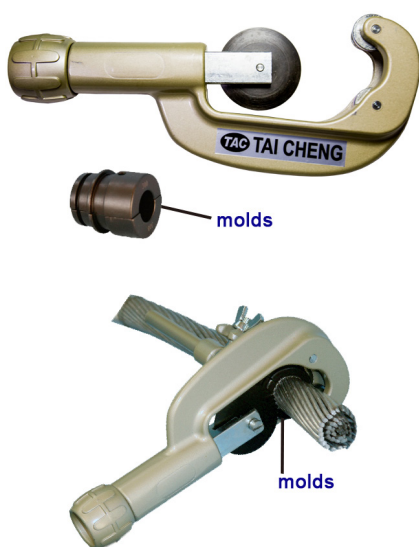
- ◆ Specialized in stripping the main insulation layer of the high and low voltage cables, and the thick PE cable is especially suitable.



Item no.	Stripping range (mm)	Weight (kg)
CSC-40	Cable Ø36	0.6

## TC-001 High Voltage Insulate Cable Stripper Combo

Item no.	Stripping range (mm)	Max. dia. (mm)	Cable size
TC-500	Ø30-120	35	500MCM/15kV/25kV
TC-1	Ø25-70	15	NO.1/15kV/25kV



## ACSR-87 ACSR Stripper

- ◆ With a the rotating blade to strip LGJ aluminum surface, cut surface smoothly. Do not hurt or flattened strand wire.
- ◆ Accessory dies: LGJ-120, LGJ-150, LGJ-185, LGJ-240, LGJ-300, LGJ-400mm<sup>2</sup>
- ◆ Optional dies: LGJ-500, LGJ-600mm<sup>2</sup>

Item no.	Stripping range (mm <sup>2</sup> )	Weight (kg)	尺寸 (mm)
ACSR-87	LGJ-400	0.75	240X100X45





GD-163

◆ Multifunctional stripping, crimping, cutting tools.

Item no.	Stripping range (mm <sup>2</sup> )	Cutting range (mm <sup>2</sup> )	Crimping range (mm <sup>2</sup> )	Size (mm)
GD-163	0.13-8.0	0.13-8.0	1.5-6.0	320

KS-170

◆ Mini stripper, stripping length can be adjusted.



ME-A/ME-B/ME-E

◆ Compact Stripper.

Item no.	Stripping range (mm <sup>2</sup> )	Weight (g)	Size (mm)
KS-170	0.5-6	200	190X170X20
ME-A	0.5-2.0	340	160X130X35
ME-B	1.0-3.2	340	160X130X35
ME-E	0.5-3.2	340	160X130X35

## Cable Stripper



CS-28



CS-35



CS-50

Item no.	Strip diameter (mm)	Weight (g)	Size (mm)
CS-28	4-28	60	132X25X27
CS-35	28-35	70	150X45X27
CS-50	35-50	80	160X53X27



CSC-28A



CSC-28B

Item no.	Strip diameter (mm)	Weight (g)	Size (mm)
CSC-28A	8-28	80	180X28X30
CSC-28B	8-28	80	180X28X30



W-325

Item no.	Strip diameter (mm)	Weight (g)	Size (mm)
W-325	8-28	110	140X45X30



### CRS-46

- ◆ Using the hydraulic jacks, lift the cable tray up, use bearing drive the cable releasing, easy and effort-saving.
- ◆ Suitable for outdoor underground cable line and air-lines operations, house construction and other switchboard wiring.
- ◆ With fixed cable tray by wheel seats, so that the tray can keep balance.
- ◆ Max. load: 2 Tons.

### CRS-10

- ◆ Using the hydraulic jacks, lift the cable tray up, use bearing drive the cable releasing, easy and effort-saving.
- ◆ Suitable for outdoor underground cable line and air-lines operations, house construction and other switchboard wiring.
- ◆ With fixed cable tray by wheel seats, so that the tray can keep balance.
- ◆ Max. load: 10 Tons.



Item no.	Tonnage (Ton)	Stroke (mm)	Ext. height (mm)	Iron bar (cc)	Single frame Weight (kg)	Size (mm)
CRS-46	2	245	700	Ø45X1500	20	600X260X455
CRS-10	10	245	1295	Ø57X1700	44	930X300X1050



### CRS-5M

- ◆ Horizontal wire releasing design, using the rotate bearing on the ground to reach effort-saving.
- ◆ Lightweight, easy to carry, can load the wooden wheel or bulk cable.
- ◆ Max. load: 500 Kgs, dia.: Ø620 mm, axis dia.: Ø65mm.



### CRS-5C

- ◆ Horizontal wire releasing design, using the rotate bearing on the ground to reach effort-saving.
- ◆ Lightweight, easy to carry, can load the wooden wheel or bulk cable.
- ◆ Max. load: 800 Kgs, diameter: Ø450 mm.



### CRS-5B

- ◆ Multifunction single layer tray, horizontal wire releasing design, using the rotate bearing on the ground to reach effort-saving.
- ◆ Lightweight, easy to carry, can load the wooden wheel or bulk cable.
- ◆ Max. load: 1 Ton.

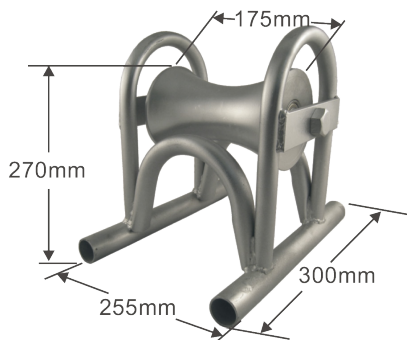
Item no.	Tonnage (kg)	Plate dia. (mm)	Weight (kg)
CRS-5B	1000	Ø400	9
CRS-5C	800	Ø450	14.4
CRS-5M	500	Ø620	12



### CRS-4

- ◆ Multifunction single layer tray, horizontal wire releasing design, using the rotate bearing on the ground to reach effort-saving.
- ◆ Lightweight, easy to carry, can load the wooden wheel or bulk cable.
- ◆ There are two sizes of the wood plate for choosing: Ø600mm and Ø900mm.
- ◆ Max. load: 1Ton.

Item no.	Cable releasing capacity			Weight (Kg)	Size (cm)	
	Max. wooden wheel	Max. bulk cable	Min. bulk cable		Diameter	Height
	250 <sup>2</sup> x500m	--	--	9	40	8
90CM one layer	--	325 <sup>2</sup> x100m	14 <sup>2</sup> x100m	15	90	8
60CM four layer	--	60 <sup>2</sup> x100m	1.6 <sup>2</sup> x100m	29	60	80
90CM four layer	--	150 <sup>2</sup> x100m	1.6 <sup>2</sup> x100m	40	90	80



### CRS-1002 Underground Cable Pulley

- ◆ To prevent the cable to rub against the ground.

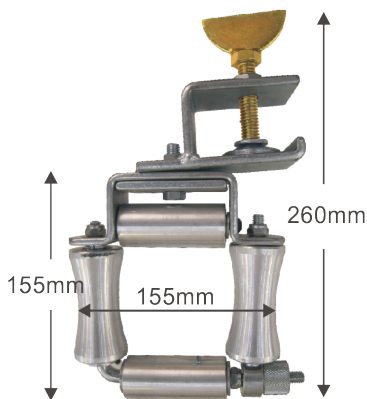
Item no.	L(mm)	W(mm)	H (mm)	A (mm)	Weight (kg)
CRS-1002	300	255	270	175	5.3

### CRS-3600 3-Strunge Rolling Wheel

- ◆ Connecting part can freely to exchange the angle, and can do times of connection.
- ◆ Rolling wheel with the double layer design. The hole diameter can be adjusted by the working requirement.
- ◆ The wire pulling direction can also be used even it is not on the level.
- ◆ Suitable for working in the underground port.



Item no.	Tonnage (kg)	Single wheel size (mm)	Wheel (mm)	Weight (kg)
CRS-3600	600	460X165X140	Ø1580XØ50X128	9.3

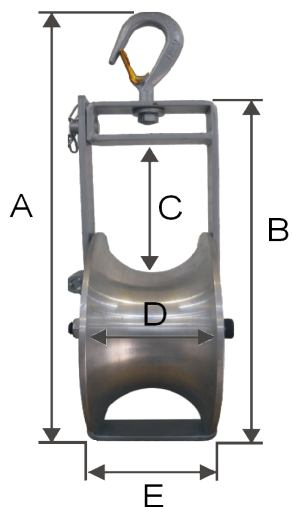


### CRS-1009 Four Wheel Pulley

- ◆ Can be rotated to adjust the angle.

Item no.	A(mm)	B(mm)	C(mm)	Weight (kg)
CRS-1009	155	155	260	2

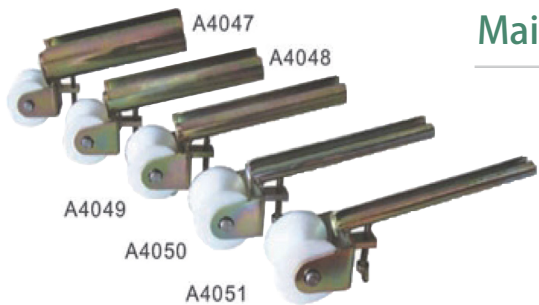




### Cable Pulley

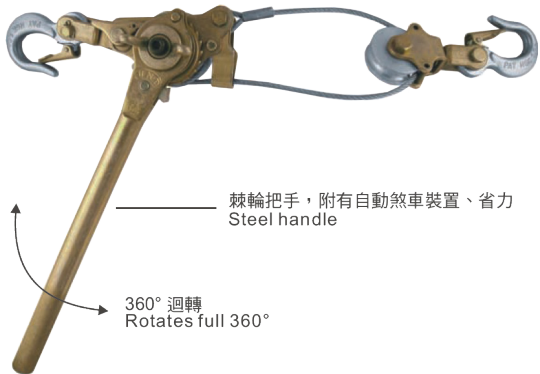
◆ Used in overhead cable laying.

Item no.	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Weight (kg)
MINI	230	126.9	56.4	54	70	0.85
CRS-1006	320	191.7	95	77.9	100	2.2
CRS-1007	405	260	115	89.8	132.6	5.4
CRS-1008	665	520	203	127	170	12



### Main Hole Cable Pulley

Item no.	Cable dia.	Weight (kg)
A4047	25-28mm	0.91
A4048	30-33mm	0.95
A4049	42-45mm	1.2
A4050	55-60mm	1.25
A4051	75-80mm	1.6



Ratchet Puller

棘輪把手，附有自動煞車裝置、省力  
Steel handle

360° 迴轉  
Rotates full 360°

Item no.	Tonnage (Ton)	Grip length (mm)	Max. length (mm)	Weight (kg)	Note		
PC-1000	1	330	820	410	Single-line wire Ø5X2200mm		
PC-1500	1.5	430	800	450	Single-line wire Ø6X2200mm		
PC-2000	2	430	1390	4.2	Length to 1.4M/ Aircraft wire Ø5X3200mm		
Item no.	Double line (Ton)	Single line (Ton)	Grip length (mm)	Double line Max. length (mm)	Single line Max. length (mm)	Weight (kg)	Note
P-1500	1.5	0.75	430	3070	1220	1220	Three hooks / Aircraft wire Ø5X3200mm
P-1500XL	1.5	0.75	0.75	350	5300	2380	Three hooks/ Soft wire Ø6X6200mm



Wire Grip

- ◆ Steel alloy forged and heat treatment, excellent quality.
- ◆ Teeth have strong tension enduring, good biting, not easy to slip off and transform.

CL: Common (Oval hole)  
AL: Aluminum specialize (Round hole)

Item no.	Tonnage (Ton)	Min. dia. (mm)	Max. dia. (mm)	Weight (kg)	Note
SD-1000C	1	2.6	15	0.6	Copper wire, insulate wire, wire, steel stranded wire, stabbling net
S-2000C	2	4	22	1.2	Copper wire, insulate wire, wire, steel stranded wire
S-2000CL	2	4	22	1.4	Copper wire, insulate wire, wire, steel stranded wire
S-3000CL	3	16	32	2.8	Copper wire, insulate wire, wire, steel stranded wire
S-2000AL	2	4	22	1.4	Aluminum wire, ACSR wire
S-3000AL	3	16	32	2.8	Aluminum wire, ACSR wire

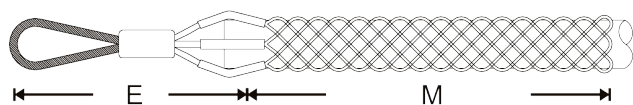
## MG series Pulling Net



- ◆ General indoor cable pulling, applicable to the optical fiber lines.
- ◆ Steel rope are soft and high elasticity. Easy to mount cables and through curves.
- ◆ Medium Duty nets, using in the distribution panel to drag the cables, suitable for medium and short distance.

Item no.	Cable dia. (mm)	Break tonnage (kg)	Length (mm)	Applicable cable
MG-10	7-13	300	315	Pulling: 2mm or 3mmx3pcs, 14 <sup>2</sup> x1pcs
MG-15	13-18	400	365	Pulling: 14 <sup>2</sup> x3pcs, 38 <sup>2</sup> x1pcs
MG-20	18-25	600	465	Pulling: 38 <sup>2</sup> x3pcs, 100 <sup>2</sup> x1pcs
MG-30	25-35	700	535	-
MG-45	35-48	1100	715	-
MG-60	48-60	2000	830	-
MG-75	60-75	2000	930	-
MG-90	75-90	2500	1045	-
MG-105	90-115	2500	1170	-
MG-135	115-135	3000	1295	-
MG-150	135-150	3000	1395	-





## TG series Pulling Net

- ◆ Nets are moderate softness, easy to mount cables, made of double galvanized steel wire rope nets and an elastic collar.
- ◆ For the medium-distant-load nets, can connect with rotate connector.

Item no.	Cable dia. (mm)	Break tonnage (kg)	Specification		Applicable cable
			E(mm)	M(mm)	
TG-050-24	10-15	2040	200	300	-
TG-062-24	15-18	2540	200	500	Pulling: 60 <sup>2</sup> x3pcs, 80 <sup>2</sup> x1pcs, 250 <sup>2</sup> x1pcs, AL 300 <sup>2</sup> x1pcs
TG-075-24	18-25	3080	230	550	Pulling: 100 <sup>2</sup> x3pcs, NO.1x1pcs, 477 <sup>2</sup> x1pcs, 325 <sup>2</sup> x1pcs
TG-100-24	25-37	4350	230	600	Pulling: 150 <sup>2</sup> x3pcs, 200 <sup>2</sup> x3pcs, AL 500 <sup>2</sup> x1pcs
TG-150-24	37-50	7440	280	650	Pulling: 200 <sup>2</sup> x3pcs, 250 <sup>2</sup> x3pcs, 4/0x1pcs
TG-200-24	50-63	8390	300	700	Pulling: 250 <sup>2</sup> x3pcs, 325 <sup>2</sup> x3pcs, NO.1x3pcs
TG-250-24	63-75	1110	300	750	Pulling: 325 <sup>2</sup> x4pcs
TG-300-24	75-88	1110	350	800	Pulling: 500 <sup>2</sup> x3pcs

HGS-750 / HGS-1500 / HGS-3500



HGS-3000

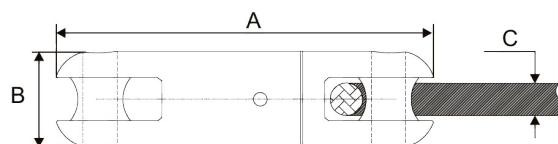


HGS-5000



## Ball Swivel

- ◆ Construction of overhead or underground cables. To prevent cable from distortion.
- ◆ Using a special alloy steel, durable.
- ◆ Small size, high tension force.



Item no.	Tonnage (Ton)	Break tonnage (kg)	A(mm)	B(mm)	C(mm)	Weight (kg)
HGS-750	0.35	1.2	60	18	9	0.07
HGS-1500	0.75	2.5	85	26	14	0.2
HGS-3000	1	3	90	24	12	0.35
HGS-3500	1.5	4.5	105	36	20	0.47
HGS-5000	2	7.2	140	30	13	0.6

## Safety Protective Garment



Cape gloves



High-voltage insulating gloves

### High Voltage Insulated Gloves

◆ Protective measures in advance, effectively insulate the product, can live at ease workers work, improve work efficiency to reduce occupational safety and accident.

Item no.	Specification	Length (mm)	Note
YS-101-21-01	Experimental voltage 20KV/1min Use 7KV	455	Accessory a pair of cape gloves
YS-101-31-03	Experimental voltage 20KV/3min Use 17KV	455	
YS-101-32-03	Experimental voltage 30KV/3min Use 26.5KV	455	
YS-102-3	Experimental voltage 5KV/3min Use 1KV	270	-

### H-667

#### Single Ring and Rope Safety Belt

Item no.	Belt width (mm)	Rope dia. (mm)	Length (mm)	Material
H-667	45	Ø16	2	Nilon



### H-131

#### Large Hook Safety Belt

Item no.	Belt width (mm)	Rope dia. (mm)	Length (mm)	Material
H-131	50X1200	Ø14	1.5	Nilon

### HS-4501






#### Full Body Harness

Item no.	Belt width (mm)	Size
HS-4538	45	Avle to be customised





Item no.	Name	Photo	Specification
CH-381	Thread type male coupler		<ul style="list-style-type: none"> <li>◆ Taiwan spec.</li> <li>◆ 3/8" NPT thread</li> <li>◆ Loading pressure: over 700kg/cm<sup>2</sup> (10000psi)</li> </ul>
CH-382	Thread type female coupler		<ul style="list-style-type: none"> <li>◆ Taiwan spec.</li> <li>◆ 3/8" NPT thread</li> <li>◆ Loading pressure: over 700kg/cm<sup>2</sup> (10000psi)</li> </ul>
CH-385	Snap type male coupler		<ul style="list-style-type: none"> <li>◆ Japan spec.</li> <li>◆ Snap connecting</li> <li>◆ 3/8" NPT thread</li> <li>◆ Loading pressure: over 700kg/cm<sup>2</sup> (10000psi)</li> </ul>
CH-386	Snap type female coupler		<ul style="list-style-type: none"> <li>◆ Japan spec.</li> <li>◆ Snap connecting</li> <li>◆ 3/8" NPT thread</li> <li>◆ Loading pressure: over 700kg/cm<sup>2</sup> (10000psi)</li> </ul>
CH-387	Thread type male coupler		<ul style="list-style-type: none"> <li>◆ U.S.A. spec.</li> <li>◆ 3/8" NPT thread</li> <li>◆ Loading pressure: over 700kg/cm<sup>2</sup> (10000psi)over</li> </ul>
CH-388	Thread type female coupler		<ul style="list-style-type: none"> <li>◆ U.S.A. spec.</li> <li>◆ 3/8" NPT thread</li> <li>◆ Loading pressure: over 700kg/cm<sup>2</sup> (10000psi)</li> </ul>
CH-389	Thread type male coupler		<ul style="list-style-type: none"> <li>◆ Taiwan spec.</li> <li>◆ 1/4" NPT thread</li> <li>◆ Loading pressure: over 700kg/cm<sup>2</sup> (10000psi)</li> </ul>
CH-390	Thread type female coupler		<ul style="list-style-type: none"> <li>◆ Taiwan spec.</li> <li>◆ 1/4" NPT thread</li> <li>◆ Loading pressure: over 700kg/cm<sup>2</sup> (10000psi)</li> </ul>

Item no.	Name	Photo	Specification
HOSE	High pressure oil hose		<ul style="list-style-type: none"> <li>◆ Length can be customized.</li> <li>◆ Loading pressure: over 700kg/cm<sup>2</sup> (10000psi)</li> </ul>
KOB-61	Manual switch		<ul style="list-style-type: none"> <li>◆ Standard accessory for all the electrical hydraulic pump.</li> </ul>
TFS-302	Pedal switch		<ul style="list-style-type: none"> <li>◆ Optional accessory for all the electrical hydraulic pump.</li> </ul>
LA-1000KG	Oil guage		<ul style="list-style-type: none"> <li>◆ Loading pressure: over 700kg/cm<sup>2</sup> (10000psi)</li> </ul>
SPS-700	Pressure regulating valve		<ul style="list-style-type: none"> <li>◆ Brand: RIKEN (made in Japan)</li> <li>◆ Pressure adjustable, with seven levels.</li> <li>◆ Automatically stop the motor movement when pressure reach.</li> </ul>
SMVT-43	Dual-ways valve		<ul style="list-style-type: none"> <li>◆ Double ways control both oil inlet and return.</li> <li>◆ Suitable for dual-action hydraulic cylinder.</li> </ul>
V-1	Single way valve		<ul style="list-style-type: none"> <li>◆ Made in Germany</li> <li>◆ Max. pressure: 700 kg/cm<sup>2</sup></li> <li>◆ 3/8"NPT</li> <li>◆ Single way of oil control</li> </ul>
V-2	Dual-ways valve		<ul style="list-style-type: none"> <li>◆ Made in Germany</li> <li>◆ Max. pressure: 700 kg/cm<sup>2</sup></li> <li>◆ 3/8"NPT</li> <li>◆ Double sway of oil control</li> </ul>
V-2-1	Multi-ways valve (Joint type)		<ul style="list-style-type: none"> <li>◆ Available for customised more than two ways.</li> <li>◆ Max. pressure: 700 kg/cm<sup>2</sup></li> </ul>
V-2-2	Multi-ways valve (One piece type)		<ul style="list-style-type: none"> <li>◆ Available for customised more than two ways.</li> <li>◆ Max. pressure: 700 kg/cm<sup>2</sup></li> </ul>

## Length

mm	x0.03937	=	inch	x25.4
cm	x0.3937	=	inch	x2.54
M	x3.28	=	foot	x0.305

## Area

mm <sup>2</sup>	x0.00155	=	inch <sup>2</sup>	x645
cm <sup>2</sup>	x0.155	=	inch <sup>2</sup>	x6.45
M <sup>2</sup>	x10.8	=	foot <sup>2</sup>	x0.0929

## Volume

cm <sup>3</sup>	x0.061	=	inch <sup>3</sup>	x16.4
liter (L)	x61	=	inch <sup>3</sup>	x0.016
ml (cm <sup>3</sup> )	x0.034	=	oz-liq	x29.6
liter (L)	x1.06	=	quart	x0.946
liter (L)	x0.26	=	gallon	x3.79

## Mass

g	x0.035	=	ounce	x28.3
kg	x2.2	=	pound	x0.454
metric ton(t)	x1.1	=	ton (short)	x0.907
metric ton(t)	x9.8	=	kN	x0.102

## Force

newton (N)	x0.225	=	pound	x4.45
kilonewton (kN)	x225	=	pound	x0.00445

## Torque

newton meter (Nm)	x8.9	=	lbf.in	x0.113
newton meter (Nm)	x0.74	=	lbf.ft	x1.36

## Pressure(Pa=N/m<sup>2</sup>)

kPa	x0.145	=	p.s.i	x6.89
kgf/cm <sup>2</sup>	x14.23	=	p.s.i	x0.07
Bar	x14.5	=	p.s.i	x0.0689
Bar	x1.02	=	kgf/cm <sup>2</sup>	x0.981

## Power(W=J/s)

kw	x1.45	=	hp	x0.746
watt (W)	x0.74	=	ft.lb/s	x1.36

## Crimp Ratio(mm)

A/1/155=Opposite sides

A:Opposite angles, B:Opposite sides

Ex: A=55, B=47.6  
 $55/1.155=47.6$   
 $55-47.6=7.4$   
 (Tight crimping size)

## AWG, JIS, DIN Cable Comparison Table

AWG	mm <sup>2</sup>	DIN	JIS	mm
30	0.05	-	-	0.25
28	0.08	-	-	0.32
26	0.13	-	-	0.40
24	0.20	-	-	0.51
22	0.32	-	-	0.64
20	0.52	-	0.5	0.81
18	0.81	0.75	-	1.02
16	1.32	1.5	1.25	1.29
14	2.08	2.5	2.0	1.63
12	3.33	4	3.5	2.05
10	5.27	6	5.5	2.59
9	6.62	-	-	-
8	8.35	-	8	3.26
7	10.6	10	-	4.11
6	13.3	16	14	-
5	16.8	-	-	4.62
4	21.2	25	22	5.19
3	26.7	-	-	5.83
2	33.6	35	38	6.54
1	42.4	-	-	7.35
1/0	53.4	50	60	8.25
2/0	67.5	70	-	9.27
3/0	85.0	95	80	10.4
4/0	107.2	-	100	11.68
250	127	120	125	14.40
300	152	150	150	15.98
350	177	185	-	16.92
400	203	-	200	20.14
500	253	240	250	23.32
600	304	300	325	26.06
700	355	-	-	-
800	405	400	400	-
900	456	-	-	-
1000	507	500	500	-
1250	633	630	-	-
1500	760	800	-	-
1750	887	-	-	-
2000	1010	1000	-	-

## Calculation of Tonnage

$$\frac{\pi}{4} D^2 \times P$$

Ex: Cylinder hole 100mm

Pump output 700kg/cm<sup>2</sup>

$$\frac{\pi}{4} \times 100 \times 100 \times 0.007 = 54.9 \Rightarrow 55 \text{ Ton}$$

## Tonnage Requirement of Crimping

AxBxP=Require tonnage

Coefficient(P)=Aluminum:25, Copper:40, Iron:131

A:Opposite angles, B:Opposite sides

Ex: 25x16x25=10000kg=10Ton

## Tonnage Requirement of Punching

D x π x T X P=Require tonnage

D=13, π=3.131416

T=Thickness, P=Iron41

Ex: 13x3.1416x2.5x41=4.18=>4.2Ton

## Power(W=J/s)

Conductor				PVC thickness (mm)	Cable dia. (mm)
Metric cross sectional area (mm <sup>2</sup> )	Isoline no./Dia. (mm)	Calculation cross sectional area (mm <sup>2</sup> )	OD (mm)		
0.9	7/0.4	0.8797	1.2	0.8	2.8
1.25	7/0.45	1.113	1.35	0.8	3.0
2.0	7/0.6	1.979	1.8	0.8	3.4
3.5	7/0.8	3.519	2.4	0.8	4.0
5.5	7/1.0	5.498	3.0	1.0	5.0
8	7/1.2	7.917	3.6	1.2	6.0
14	7/1.6	14.08	4.8	1.4	7.6
22	7/2.0	21.99	6.0	1.6	9.2
30	7/2.3	29.09	6.9	1.6	10.1
38	7/2.6	37.16	7.8	1.8	11.4
50	19/1.8	48.36	9.0	1.8	12.6
60	19/2.0	59.70	10.0	1.8	13.6
80	19/2.3	78.95	11.5	2.0	15.5
100	19/2.6	100.9	13.0	2.0	17.0
125	19/2.9	125.5	14.5	2.2	18.9
150	37/2.3	153.7	16.1	2.2	20.5
200	37/2.6	196.4	18.2	2.4	23.0
250	61/2.3	253.5	20.7	2.4	25.5
325	61/2.6	323.8	23.4	2.6	28.6
400	61/2.9	405.9	26.1	2.6	31.3
500	61/3.2	490.6	28.8	2.8	34.4

[illegible]