

Listed on the main board of  
Shanghai Stock Exchange  
Stock Code 605056

Xianheng International  
**ONE STOP SOLUTION  
PROVIDER**

To Make a World Famous Brand from China



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Tools for Electrical Construction

2026

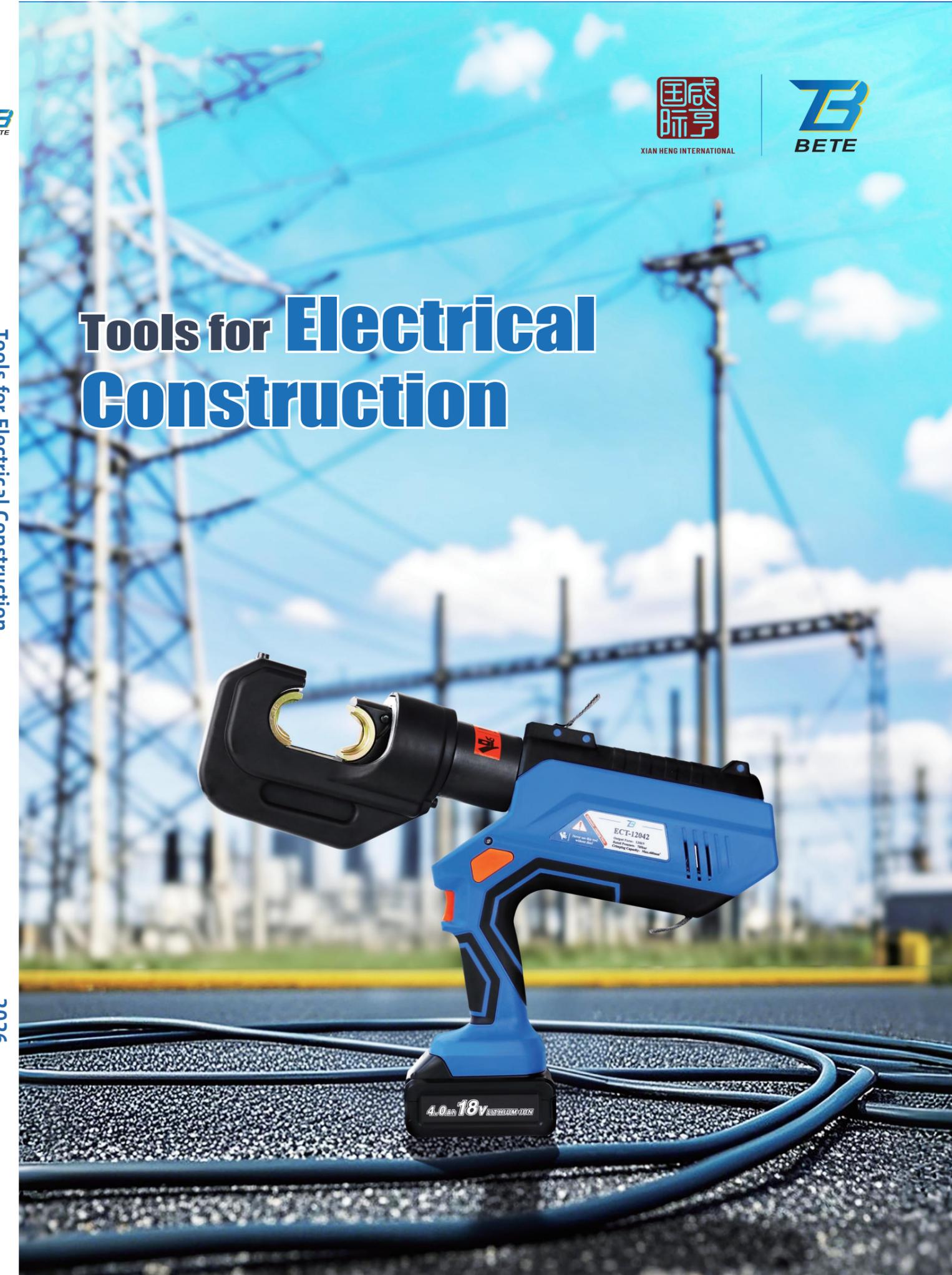


XIAN HENG INTERNATIONAL



BETE

# Tools for **Electrical Construction**



# Enterprise Introduction

Xianheng International Science&Technology Co., Ltd. public listing on the main board of Shanghai Stock Exchange, is a MRO intensive supplier of tools, instruments with several factories of our own producing different kinds of products. It mainly serves the power industry, and also involves emergency, railway, urban rail transit, petroleum and petrochemical, etc.

Through fast development and professional capability, our factory Hangzhou Bete Equipment Manufacture Co., Ltd.(wholly owned subsidiary) is rated as National High-tech Enterprise, Zhejiang Excellent and Innovative Enterprise, and also passed ISO9001:2015 certification, CE certificate and over 70 Letters of Patent. Every link including product research and development, manufacture, debugging, and technical support follows strict and scientific management principles.

Continuous efforts contribute a lot to our good reputation and wide acceptance from the market. In recent years, we have established a long-term and win-win cooperation with customers from America, Europe, Southeast Asia, Africa and Middle East. Welcome to our company to create a good business relationship in near future.

"Market-oriented, quality-survival, innovation-oriented development, service as the purpose", we wholeheartedly provide you with quality products and intimate services! Warmly welcome friends at home and abroad to visit our company!

## HEAD QUARTER



XIAN HENG INTERNATIONAL



BETE

Xianheng International



## INDUSTRIAL PARK

FULL

No.1 Quality electric construction tools in China



Trustworthy public listed company in Shanghai Stock Exchange



Life-time after-sales service



100 million+  
MRO product output per year

8000+  
Technical service project per year

# Global Market

2,000,000+ SKU

## 01 Hydraulic tools\_01

### A. Crimping\_01

Battery crimper  
Hand-operated crimper  
Crimping head  
Mechanical crimper

### B. Cutting\_21

Battery cutter  
Hand-operated cutter  
Cutting head  
Insulated hydraulic cutter  
Ratchet cable cutter

### C. Busbar\_38

Busbar cutter  
Busbar puncher  
Busbar bender  
Multifunctional busbar  
-processing machine

### D. Pumps\_48

Hand-operated pump  
Electric pump  
Gasoline engine pump

### E. Angle steel\_57

Nut breaker  
Hydraulic nut splitter  
Hydraulic angle steel cutter

### F. Railway\_61

String preparation tool  
Wire preparation tool

## 02 Cable laying\_70

### G. Cable preparation tool\_70

Cable preparation set  
Aluminum conductor cutter  
Stripping tool  
Insulation chamfer tool  
Cable stripping knife

### H. Others\_77

Cable straightening tool  
Engine powered winch  
Cable feeder  
Wire grip  
Ground wire clamp  
Aluminum alloy chain lever hoist  
Ratchet puller  
Dual-hook turnbuckle

Cable roller  
Ground drill  
Conductor lifter  
Swivel joint  
Cable pulling grip  
Splicing sleeve protector  
Conduits stand  
Steel rope  
Mechanical cable drum stand

 Contents

## 03 Gardening tools\_108

I. Gardening tools\_108

## 04 Heavy construction equipment\_111

J. Hydraulic puller and tensioner equipment\_111

K. Drilling and pole erecting machine\_124

## 05 Industrial installation and maintenance\_128

L. Torque wrench\_128

Hydraulic torque wrench series  
Bolt stretcher  
Hydraulic puller

8

Xianheng brands  
Be sold abroad

90+

Countries and regions for  
business coverage

70+  
Subsidiaries

500+  
Professional solutions project per year

# BATTERY CRIMPER SERIES

Two stage hydraulic ■ Computer chips ■ LCD ■ LED

Our strength can be seen



## ECT-6022 Battery Powered Crimping Tool

- ▲ Flip-open head, crimping head rotates 360°
- ▲ Two stage hydraulics, automatic pressure release
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ Equipped with LED work light to make work easier
- ▲ High-capacity 18V power-on display lithium battery with fast charger
- ▲ PP plastic, molding in one, strong and anti-impact



Crimping Force	6t
Stroke	22mm
Rated Pressure	700bar
Crimping Capacity	Max 300mm <sup>2</sup>
Oil volume	About 160mL
Standard Dies	Cu50-300mm <sup>2</sup>
Net Weight	4.1kg
Gross Weight	11.5kg
Dimensions	29x28x7cm
Packing Size	59x52x14cm

Crimping tool



1 pc

4.0Ah lithium batteries



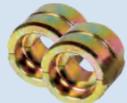
2 pcs

Fast charger



1 pc

Crimping dies



8 pcs

Shoulder strap

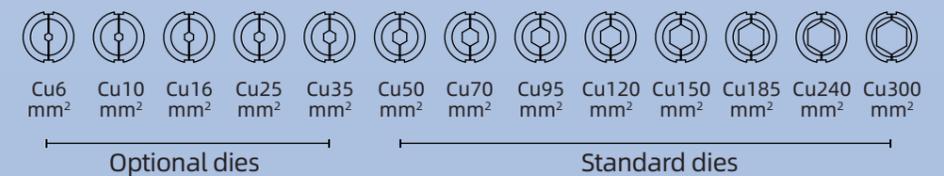


1 pc

Durable tool box



1 pc



# ECT-12042

## Battery Powered Crimping Tool

### 01 Product Introduction

- ▲ 42mm large opening jaw, more convenient to put in and take out crimping objects, also suitable for crimping intermediate joints
- ▲ C shape head, crimping head rotates 360°
- ▲ Two stage hydraulics, automatic pressure release
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ Equipped with LED work light to make work easier
- ▲ High-capacity 18V power-on display lithium battery with fast charger
- ▲ PP plastic, molding in one, strong and anti-impact



The OLED screen can display the remaining power and the number of operation cycles



The new continuous crimping function makes the construction more efficient



Built-in safety valve with automatic pressure relief

### 02 Product Specifications



Crimping Force	12t
Stroke	42mm
Rated Pressure	700bar
Crimping Capacity	Max 400mm <sup>2</sup> , LGJ35-95mm <sup>2</sup>
Oil volume	About 160ml
Standard Dies	Cu50-400mm <sup>2</sup>
Net Weight	7.0kg
Gross Weight	15.3kg
Dimensions	44x28x7cm
Packing Size	59x51x14cm



Battery	DC 18V 4.0Ah
Crimping cycle	5 ~ 15s/time (according to the size of the terminal)
Crimping times	About 120 times (Cu150mm <sup>2</sup> / fully charged)
Charging time	About 40 minutes

### 03 Standard List



#### Standard

Crimping tool	1 pc
Battery	2 pcs
Charger	1 pc
Shoulder strap	1 pc
Durable tool case	1 pc
Standard dies	9 pcs

(Cu50/70/95/120/150/185/240/300/400mm<sup>2</sup>)  
(Optional dies: 6/10/16/25/35mm<sup>2</sup>)

### 04 Product Specifications



### 05 Working On Site



Country **Brazil**  
C-clamp die crimping operation



Country **Mexico**  
C-clamp die crimping operation

#### Application

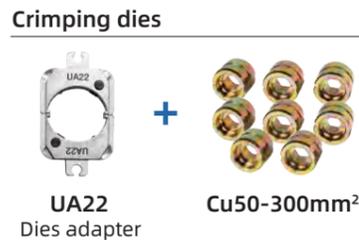
- ▲ Copper and aluminum terminals/lugs, cable terminals/lugs
- ▲ Copper/Aluminum Transition Joint
- ▲ Intermediate joint
- ▲ Terminals for charging piles
- ▲ H-type wire clamp
- ▲ Other metal connecting parts

# ECT-60UNV

## 3-in-1 Multi-functional Battery Powered Tool



**Crimping**



**Crimping dies**

UA22 Dies adapter + Cu50-300mm<sup>2</sup>



**Cutting**



**Cutting blade**

UCACSR + UC40



**Punching**



**Punching head**

UA6P + Punching dies  
Optional punching head UA6P and dies with specifications of 1/2-2 inches

### Product Introduction

- ▲ One tool for multifunction, crimping, cutting and sheet steel punching
- ▲ Flip-open head, crimping head rotates 360°
- ▲ Two stage hydraulics, automatic pressure release
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ Equipped with LED work lights to make work easier
- ▲ High-capacity 18V power-on display lithium battery, with fast charger
- ▲ PP plastic, molding in one, strong and anti-impact

Crimping Force	6t
Rated Pressure	700bar
Crimping Capacity	Max 300mm <sup>2</sup>
Punching Capacity	Plain Steel: 3.5mm thick, Φ64mm Stainless Steel: 2.5mm thick, Φ64mm
Cutting Capacity	Max 40mm Cu/Al/ACSR
Standard Dies	Die adapter, Cu50-300mm <sup>2</sup> Cutting blade: UCACSR, UC40
Net Weight	4.4kg
Gross Weight	12.5kg(punching kit not included)
Dimensions	43x28x8cm
Packing Size	59x51x14cm



# ECT-120UNV

## 4-in-1 Multi-functional Battery Powered Tool



- ▲ One tool for multifunction, crimping, cutting and punching and nut splitting
- ▲ Flip-open head, crimping head rotates 360°
- ▲ Two stage hydraulics, automatic pressure release
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ Equipped with LED work light to make work easier
- ▲ High-capacity 18V power-on display lithium battery, with fast charger
- ▲ PP plastic, molding in one, strong and anti-impact

Model	ECT-120UNV
Crimping Force	12t
Rated Pressure	700bar
Crimping Capacity	Max 400mm <sup>2</sup>
Punching Capacity	Angle Steel: 6mm thickness Basbar Cu/Al: max 6.5mm thickness
Cutting Capacity	Max 44mm ACSR
Nut Splitting Capacity	Max 36mm Nut
Net Weight	4.8kg(excluding the head)
Gross Weight	29.6kg(GW of complete set)
Dimensions	34x28x8cm
Packing Size	59x51x14cm-plastic case 73x34x14cm-steel case



Standard			
Crimping head	1 pc	Crimping dies	9 pcs(Cu50-400mm <sup>2</sup> )
Cutting head	1 pc	Blade holder	1 pc
Nut crushing head	1 pc	Nut splitting blade	2 pcs
Punching head	1 pc	Punching dies	4 pcs(10.5 13.5 17.5 20.5)
Main unit	x1	Lithium batteries	x2
Shoulder strap	x1	Durable tool box	x1
		Fast charger	x1
		Steel case	x1

## ECT-6030 Dieless Battery Powered Crimping Tool

- ▲ Indent crimping, no need to change dies
- ▲ Three movable indenting nibs push connectors against the top fixed nib.
- As a result, four indentations are made into the connector
- ▲ Crimping head rotates 360°
- ▲ Two stage hydraulics, automatic retraction
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ Equipped with LED work light to make work easier
- ▲ High-capacity 18V power-on display lithium battery, with fast charger
- ▲ PP plastic, molding in one, strong and anti-impact

Model	ECT-6030
Crimping Force	6t
Stroke	32mm
Rated Pressure	700bar
Crimping Capacity	Max 300mm <sup>2</sup>
Net Weight	5.2kg
Gross Weight	11.6kg
Dimensions	40x28x8cm
Packing Size	59x52x14cm



## ECT-15050 Battery Powered Crimping Tool

- ▲ Big jaw for larger crimping capacity
- ▲ Use die adapter for 12t crimping dies
- ▲ Automatic retraction
- ▲ Flip-open head, crimping head rotates 360°
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ Equipped with LED work light to make work easier
- ▲ High-capacity 18V power-on display lithium battery, with fast charger
- ▲ PP plastic, molding in one, strong and anti-impact

Model	ECT-15050
Crimping Force	15t
Stroke	50mm
Rated Pressure	700bar
Crimping Capacity	Max 630mm <sup>2</sup>
Standard Dies	Die adapter, (12t) Cu16-400mm <sup>2</sup> , (15t) Cu500-630mm <sup>2</sup>
Net Weight	9.4kg
Gross Weight	19.2kg
Dimensions	51x28x8cm
Packing Size	59x52x14cm



Standard dies		
	Die adapter	1 pc
	12t dies	12 pcs
<small>(Cu16/25/35/50/70/95/120/150/185/240/300/400mm<sup>2</sup>)</small>		
	15t dies	2 pcs
<small>(Cu500/630mm<sup>2</sup>)</small>		



## ECT-25020 Battery Powered Crimping Tool



- ▲ High-strength U-shaped head design, sturdy and durable
- ▲ Large output force, wide range of crimping
- ▲ H-type head has uniform force during crimping
- ▲ Wide crimping surface reduce crimping times and terminal deformation
- ▲ Crimping head rotates 360°
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ Equipped with LED work light to make work easier
- ▲ High-capacity 18V power-on display lithium battery, with fast charger
- ▲ PP plastic, molding in one, strong and anti-impact

Model	ECT-25020
Crimping Force	25t
Stroke	20mm
Rated Pressure	700bar
Crimping Capacity	Max 630mm <sup>2</sup>
Standard Dies	Die adapter, (12t) Cu16-400mm <sup>2</sup> , (25t) Cu500-630mm <sup>2</sup>
Net Weight	7.9kg
Gross Weight	20.1kg
Dimensions	45x38x10cm
Packing Size	59x52x14cm

Standard dies		
	Die adapter	1 pc
	12t dies	12 pcs
<small>(Cu16/25/35/50/70/95/120/150/185/240/300/400mm<sup>2</sup>)</small>		
	25t dies	2 pcs
<small>(Cu500/630mm<sup>2</sup>)</small>		

## Battery Powered Mini Crimping Tool ECT-150



- ▲ Flip-open head for easy access to the fittings. Head rotates 350°
- ▲ Automatic pressure relief and automatic reset
- ▲ High performance, high capacity 18V lithium battery with power display, equipped with fast charger
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ Two LED working lights help work easier in dark area
- ▲ Housing and carrying case made of PP plastic, integrated forming, strong and anti-impact

Model	ECT-150
Crimping Force	3.5t
Stroke	10mm
Oil Reservoir	50ml
Crimping Capacity	Max Cu150mm <sup>2</sup>
Standard Dies	Cu10-150mm <sup>2</sup>
Net Weight	1.8kg
Gross Weight	8.4kg
Dimensions	38x9x8cm
Packing Size	59x52x14cm

## Battery Powered Mini Crimping Tool ECT-1510



- ▲ Open head for easy access to the fittings. Head rotates 350°
- ▲ Automatic pressure relief and automatic reset
- ▲ High performance, high capacity 18V lithium battery with power display, equipped with fast charger
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ Two LED working lights help work easier in dark area
- ▲ Housing and carrying case made of PP plastic, integrated forming, strong and anti-impact

Model	ECT-1510
Crimping Force	1.5t
Stroke	10mm
Oil Reservoir	50ml
Crimping Capacity	0.14-50mm <sup>2</sup>
Standard Dies	(See page 67 for optional dies)
Net Weight	1.7kg
Gross Weight	7.7kg
Dimensions	37x9x8cm
Packing Size	59x52x14cm

## ECT-6022M Battery Powered Mini Crimping Tool



Crimping Force	6t
Stroke	17mm
Rated Pressure	700bar
Crimping Capacity	Max 300mm <sup>2</sup>
Standard Dies	Cu16-300mm <sup>2</sup>
Net Weight	2.7kg
Gross Weight	11.6kg
Dimensions	40x9x8cm
Packing Size	59x52x14cm



Carrying case made of PP plastic, integrated forming, strong and anti-impact

### Standard

Crimping tool	1 pc	Standard dies	11 pcs
2.0A battery	2 pcs	Durable tool box	1 pc
Fast charger	1 pc		

## ECT-240 Battery Powered Mini Crimping Tool

- ▲ 2-in-1 for crimping and cutting
- ▲ Flip-open head for easy access to the fittings. Head rotates 350°
- ▲ Automatic pressure relief and automatic reset
- ▲ High performance, high capacity 18V lithium battery with power display, equipped with fast charger
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ Two LED working lights help work easier in dark area
- ▲ PP plastic, molding in one, strong and anti-impact



Model	ECT-240
Crimping Force	6t
Stroke	30mm
Oil Reservoir	50ml
Crimping Capacity	Max Cu240mm <sup>2</sup>
Cutting Capacity	Max Φ25mm Cu/Al cable, ACSR
Standard Dies	Die adapter, Cu16-240mm <sup>2</sup> Cutting blade: UCACSR, UC40
Net Weight	2.8kg
Gross Weight	9.3kg
Dimensions	44x12x8cm
Packing Size	59x52x14cm

## EMP-2232 Battery Powered Pipe Crimping Tool

- ▲ Single stage system, when the pressure reaches set value, can automatically reset the piston
- ▲ The latch with a buckle to avoid device damage caused by misoperation
- ▲ Built-in MCU chip and storage unit, can record job data and prompt failure and maintenance
- ▲ LED light can meet the operation needs when light source is insufficient
- ▲ 18V high-performance lithium battery with long time high energy output
- ▲ High strength aluminum alloy body, light weight
- ▲ Ergonomic design, holding area is covered with rubber to avoid fatigue

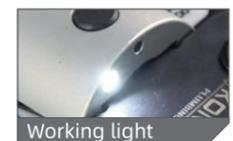
Model	EMP-2232
Crimping Force	Max: Thin-walled stainless steel DN28 (thickness 1.5); Thin-walled copper tube D35 (thickness 1.5); Aluminum plastic composite pipe DN40
Output	22kN (standard force)
Stroke	30mm
Oil Reservoir	50ml
Net Weight	1.8kg(without dies)
Gross Weight	11.1kg
Dimensions	43x10x9mm (without dies)
Packing Size	59x52x14mm



## EMP-3250 Battery Powered Pipe Crimping Tool

- ▲ Two-stage system, when the pressure reaches set value, can automatically reset the piston
- ▲ Latch position with a sensor to avoid injury to the tool and personnel caused by not locking the latch
- ▲ Built-in MCU chip and storage unit, can record job data and prompt failure and maintenance
- ▲ LED light can meet the operation needs when light source is insufficient
- ▲ 18V high-performance lithium battery with long time high energy output
- ▲ High strength aluminum alloy body, light weight
- ▲ Ergonomic design, holding area is covered with rubber to avoid fatigue

Model	EMP-3250
Crimping Force	12-54mm thin wall stainless steel pipe, copper pipe(Note: for different types and materials of pipe fittings, pressure capacity is different, which should be determined according to the matching pipe fittings)
Output	32kN(standard force)
Stroke	40mm
Oil Reservoir	150ml
Net Weight	3.6kg(without dies)
Gross Weight	11.6kg
Dimensions	46x11x8mm(without dies)
Packing Size	59x52x14mm



**EC-JKY Battery Powered AMPACT Tool**

The battery powered hydraulic tools are compact, powerful and easy to use for installation of AMPACT connectors. The tools operate on industry standard 18V batteries. Each tool is supplied with a high impact formed carrying case to hold the tool, battery charger, two high capacity 18V batteries.



- ▲ Easy tool operation and portability
- ▲ Dedicated tool for installation reduces risk of operator error
- ▲ Long life and high efficiency
- ▲ Precise control of installation force to ensure proper connector skive
- ▲ Ergonomic design allows one hand operation
- ▲ Head frame rotation allows easy positioning for connector installation
- ▲ Reliable ram release allows for partial retraction or full retraction
- ▲ Replaceable large and small head seats, C-shaped head, can rotate 180°

Model	EC-JKY
Crimping Force	6t
Stroke	32mm
Package	Plastic case
Gross Weight	11kg
Packing Size	63x46x14cm

**XH-50X Battery Powered Crimping Tool**



- ▲ Simple and safe: one-button to control all tool functions
- ▲ Electronic control with locking function monitors full closing of the dies
- ▲ Automatic retraction when operation is complete
- ▲ Manual retract as required
- ▲ Motor stall protection
- ▲ Ergonomic 2C housing
- ▲ Fastening eye for use with balancer or as fall protection
- ▲ Light weight and high speed for maximum efficiency
- ▲ Powerful drive technology for fatigue proof operations
- ▲ Powerful 18V lithium battery with charge status display
- ▲ LED lights

Model	XH-50X
Output Force	16kN
Crimping Range	1) 0.5-50mm <sup>2</sup> (TG-JT type tubular pre-insulated terminal) 2) 0.5-10mm <sup>2</sup> (TO.TU type round and fork-shaped bare terminal) 3) 0.5-6mm <sup>2</sup> (TO-JTK TU-JTK type round and fork shaped pre-insulated terminal) 4) 0.5-6mm <sup>2</sup> (SCT-D open barrel 0.5-6mm <sup>2</sup> ) 5) 1-10mm <sup>2</sup> ordinary hexagon
Gross Weight	4.8kg
Packing Size	47x40x15cm

**HCT-12042 Manual Hydraulic Crimping Tool**



C-shape crimping head      350° rotatable head

▲ Net Weight: 6.3kg  
▲ Dimensions: 56x18x7cm

Manually pressure relief

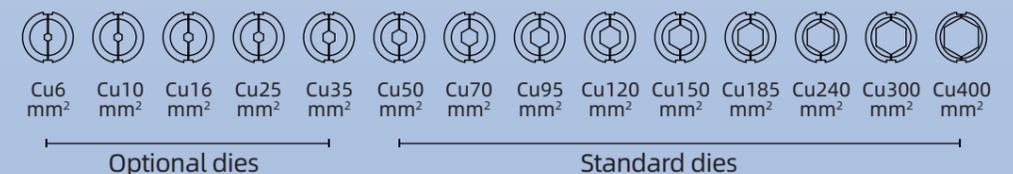
- ▲ Crimping head rotates 350°
- ▲ Two stage hydraulic, automatic pressure release
- ▲ C-head with 42mm opening width for easy access to the fitting
- ▲ Suitable for crimping cable terminal, C-clamp, connector and overhead line

Crimping Force	12t
Stroke	42mm
Rated Pressure	700bar
Crimping Capacity	Max 400mm <sup>2</sup>
Gross Weight	10.8kg
Packing Size	68x30x12cm



Standard	
Crimping tool	1 pc
Standard dies	9 pcs(50-400mm <sup>2</sup> )
Durable tool box	1 pc

\*The picture dies is not standard



## Crimping Tools

Electrical Construction Tools

### HCT-185 Manual Hydraulic Crimping Tool



- ▲ Crimping head rotates 350°
- ▲ Two stage hydraulic, automatic pressure release
- ▲ Super quick, light, durable
- ▲ Flip-open head for easy access to the fitting

Model	HCT-185
Crimping Force	5t
Stroke	15mm
Rated Pressure	700bar
Crimping Capacity	Max 185mm <sup>2</sup>
Standard Dies	Cu10-185mm <sup>2</sup>
Net Weight	2.0kg
Gross Weight	3.9kg
Dimensions	37x13x6cm
Packing Size	51x22x11cm

### HCT-6022 Manual Hydraulic Crimping Tool



- ▲ Crimping head rotates 350°
- ▲ Two stage hydraulic, automatic pressure release
- ▲ Super quick, light, durable
- ▲ Flip-open head for easy access to the fitting

Model	HCT-6022
Crimping Force	6t
Stroke	17mm
Rated Pressure	700bar
Crimping Capacity	Max 300mm <sup>2</sup>
Standard Dies	Cu50-300mm <sup>2</sup>
Net Weight	3.8kg
Gross Weight	7.5kg
Dimensions	50x17x7cm
PP Plastic Case	68x30x12cm

### HCT-6030 Dieless Manual Hydraulic Crimping Tools



- ▲ Crimping head rotates 180°, suitable for all working angles
- ▲ Two stage hydraulics, automatic pressure release
- ▲ Opening jaw design

Model	HCT-6030
Crimping Force	6t
Stroke	32mm
Rated Pressure	700bar
Crimping Capacity	Max 300mm <sup>2</sup>
Net Weight	4.8kg
PP Plastic Case	51x22x11cm

### JKY Manual Hydraulic Ampact Tool



- ▲ Small and easy to carry, easy to operate
- ▲ Rotary oil return screw, no oil leakage, easy reset
- ▲ Replaceable large and small head seats, C-shaped head, can rotate 180°
- ▲ Insulated rubber handle, with human body aesthetic design, beautiful and non-slip

Model	JKY
Crimping Force	6t
Stroke	32mm
Gross Weight	6.5kg
Packing Size	55x14x13cm

### EP-431 Manual Hydraulic Crimping Tool



#### Standard

Crimping tool	1 pc
Standard dies	8 pcs
Durable tool box	1 pc

(Standard dies: Cu50/70/95/120/150/185/240/300mm<sup>2</sup>)  
(Optional dies: 6/10/16/25/35mm<sup>2</sup>)



Crimping Force	12t
Stroke	31mm
Rated Pressure	700bar
Crimping Capacity	Max 300mm <sup>2</sup>
Standard Dies	Cu50-300mm <sup>2</sup>
Net Weight	6.3kg
Gross Weight	11.7kg
Dimensions	62x18x7cm
Packing Size	73x36x13cm

**EP-510C**  
Manual Hydraulic Crimping Tool



- ▲ Crimping head rotates 180°, suitable for various working angles
- ▲ Two stage hydraulics, automatic pressure release
- ▲ C-shaped opening jaw design

Model	EP-510C
Crimping Force	13t
Stroke	38mm
Rated Pressure	700bar
Crimping Capacity	Max 400mm <sup>2</sup>
Standard Dies	Cu50-400mm <sup>2</sup>
Net Weight	7.8kg
Gross Weight	13.4kg
Dimensions	66x19x8cm
Packing Size	73x36x13cm

**BQK-70**  
Manual Hydraulic Crimping Tool



- ▲ Crimping head rotates 180°
- ▲ High-density clamp head, stronger pressure
- ▲ Two-speed oil inlet design, leak-proof and durable, stable operation, safe and firm
- ▲ C-shaped opening jaw design

Model	BQK-70
Crimping Force	6t
Stroke	12mm
Rated Pressure	700bar
Crimping Capacity	Max 70mm <sup>2</sup>
Standard Dies	Cu4-70mm <sup>2</sup>
Gross Weight	3.8kg
Packing Size	35x15x8cm

**CW-1632**  
Manual Pipe Crimping Tool



NOTE: The accessories type used at optional



Model	CW-1632
Crimping Force	4t
Stroke	17mm
Standard Dies	TH16 20 26 32/ U16 20 25 32/ SV15 20 25
Package	Plastic case
Net Weight	7.0kg
Dimensions	63x25x9cm

**YQK-1632**  
Manual Pipe Crimping Tool



NOTE: The accessories type used at optional



Model	YQK-1632
Crimping Force	8t
Stroke	17mm
Standard Dies	TH16 20 26 32/ U16 20 25 32/ SV15 20 25
Package	Plastic case
Net Weight	5.5kg
Dimensions	45x20x10cm

**BQK-120**  
Manual Hydraulic Crimping Tool



- ▲ Crimping head rotates 180°
- ▲ High-density clamp head, stronger pressure
- ▲ Two-speed oil inlet design, leak-proof and durable, stable operation, safe and firm

Model	BQK-120
Crimping Force	8t
Stroke	16mm
Rated Pressure	700bar
Crimping Capacity	Max 120mm <sup>2</sup>
Standard Dies	Cu10-120mm <sup>2</sup>
Gross Weight	5.5kg
Packing Size	45x19x9cm

**BQK-240**  
Manual Hydraulic Crimping Tool



- ▲ Crimping head rotates 180°
- ▲ High-density clamp head, stronger pressure
- ▲ Two-speed oil inlet design, leak-proof and durable, stable operation, safe and firm

Model	BQK-240
Crimping Force	12t
Stroke	20mm
Rated Pressure	700bar
Crimping Capacity	Max 240mm <sup>2</sup>
Standard Dies	Cu16-240mm <sup>2</sup>
Gross Weight	5.6kg
Packing Size	50x59x10cm

**BQK-300**  
Manual Hydraulic Crimping Tool



- ▲ Crimping head rotates 180°
- ▲ High-density clamp head, stronger pressure
- ▲ Two-speed oil inlet design, leak-proof and durable, stable operation, safe and firm

Model	BQK-300
Crimping Force	13t
Stroke	20mm
Rated Pressure	700bar
Crimping Capacity	Max 300mm <sup>2</sup>
Standard Dies	Cu10-300mm <sup>2</sup>
Gross Weight	5.8kg
Packing Size	50x59x10cm

**PCS-22**  
Hydraulic Crimping Head



- ▲ Flip-open head for easy access to the fitting
- ▲ Head rotate 350°, suitable for narrow space operation
- ▲ Equipped with quick coupler, easy to disassemble
- ▲ Powered by single acting hydraulic pump

Model	PCS-22
Crimping Force	6t
Stroke	17mm
Rated Pressure	700bar
Crimping Capacity	Max 300mm <sup>2</sup>
Standard Dies	Cu50-300mm <sup>2</sup>
Net Weight	2.6kg
Gross Weight	6.3kg
Dimensions	32x10x6cm
Packing Size	41x13x8cm(canvas bag)

**PCS-12042**  
Hydraulic Crimping Head



- ▲ C-head with 42mm opening jaw, connector easy pick & place
- ▲ Suitable for crimping cable terminal, C-clamp, connector and overhead line
- ▲ Head rotate 350°, suitable for narrow space operation
- ▲ Equipped with quick coupler, easy to disassemble
- ▲ Powered by single acting hydraulic pump

Model	PCS-12042
Crimping Force	12t
Stroke	42mm
Rated Pressure	700bar
Crimping Capacity	Max 400mm <sup>2</sup>
Standard Dies	Cu50-400mm <sup>2</sup>
Net Weight	4.8kg
Gross Weight	7.4kg
Dimensions	36x12x7cm
Packing Size	41x13x8cm(canvas bag)

**PCS-610**  
Hydraulic Crimping Head



- ▲ C-head with 50mm opening jaw for easy access to the fitting
- ▲ Head rotate 350°, suitable for narrow space operation
- ▲ Equipped with quick coupler, easy to disassemble
- ▲ Powered by single acting hydraulic pump

Model	PCS-610
Crimping Force	15t
Stroke	50mm
Rated Pressure	700bar
Crimping Capacity	Max 630mm <sup>2</sup>
Standard Dies	Dies adapter, (12t) Cu16-400mm <sup>2</sup> , (15t) Cu500-630mm <sup>2</sup>
Net Weight	6.9kg
Gross Weight	8.0kg
Dimensions	41x11x7cm
Packing Size	41x13x18cm

**PCS-60UNV**  
Multi-functional Hydraulic Crimping Head



Model	PCS-60UNV
Crimping Force	6t
Rated Pressure	700bar
Crimping Capacity	Max 300mm <sup>2</sup>
Punching Capacity	Plain Steel: 3.5mm thick, Φ64mm Stainless Steel: 2.5mm thick, Φ64mm
Cutting Capacity	Max 40mm Cu/Al/ACSR
Standard Dies	Die adapter, Cu50-300mm <sup>2</sup> Cutting blade: UCACSR/UC40

**PCS-6030**  
Dieless Hydraulic Crimping Head



- ▲ Four point indent crimping, firmly connects the lugs and conductors
- ▲ No need to change crimping dies, easy operation
- ▲ Suitable for crimping special lugs
- ▲ Head rotate 350°, suitable for narrow space operation
- ▲ Equipped with quick coupler, easy to disassemble
- ▲ Powered by single acting hydraulic pump

Model	PCS-6030
Crimping Force	6t
Stroke	32mm
Rated Pressure	700bar
Crimping Capacity	Max 300mm <sup>2</sup>
Net Weight	3kg
Dimensions	54x17x8cm

**PCS-45**  
Hydraulic Crimping Head

- ▲ Flat base, keep horizontal level
- ▲ U-type crimping head, sturdy and durable
- ▲ Pin-type crimping head for easy access to the fitting
- ▲ Quick coupler for easy disassembly
- ▲ Powered by single acting hydraulic



Model	PCS-45
Crimping Force	45t
Stroke	20mm
Rated Pressure	700bar
Crimping Capacity	Max 800mm <sup>2</sup>
Packing	Canvas bag+ carton case
Net Weight	10.8kg
Gross Weight	11.5kg
Dimensions	27x12x20cm
Packing Size	36x18x21cm

**PCS-25**  
Hydraulic Crimping Head

Suitable for **electrical appliance manufacturers, cable factories, elevator manufacturing, shipbuilding, railways, substations, power installation companies, etc.**



**HP-700**

**FHP-700**

**REP-2**

**EBH-700**

- Pin-type crimping head for easy access to the fitting
- Light weight, suitable for overhead line work
- Powered by single acting hydraulic
- Quick coupler for easy disassembly
- U-type crimping head, sturdy and durable

Crimping Force	25t
Stroke	20mm
Rated Pressure	700bar
Crimping Capacity	Max 630mm <sup>2</sup>
Packing	Canvas bag+ carton case
Net Weight	5.4kg
Gross Weight	13.5kg
Dimensions	36x12x9cm
Packing Size	41x13x18cm



Standard	
Crimping head	1 pc
Canvas bag	1 pc
Standard dies	
Die adapter	1 pc
12t dies	12 pcs
<small>(Cu16/25/35/50/70/95/120/150/185/240/300/400mm<sup>2</sup>)</small>	
25t dies	2 pcs
<small>(Cu500/630mm<sup>2</sup>)</small>	

## PCS-60 Hydraulic Crimping Head

- ▲ Crimp overhead line ACSR, splicing sleeves and strain clamp for 110kV to 220kV power transmission line
- ▲ The head is the upper die fixed seat, which can be rotated and quickly opened for middle and end crimping operations
- ▲ Quick coupler for easy disassembly
- ▲ Powered by single acting hydraulic



Model	PCS-60
Crimping Force	60t
Stroke	38.5mm
Rated Pressure	700bar
Crimping Capacity	Max Cu/Al: 60mm, max steel: 26mm
Packing	Steel case+ carton case
Net Weight	25.4kg
Gross Weight	29.5kg
Dimensions	27x16x32cm
Packing Size	32x26x38cm

## PCS-60A Hydraulic Crimping Head

- ▲ Crimp overhead line ACSR, splicing sleeves and strain clamp for 110kV to 220kV power transmission line
- ▲ The head is the upper die fixed seat, which can be rotated and quickly opened for middle and end crimping operations
- ▲ Quick coupler for easy disassembly
- ▲ Powered by single acting hydraulic



Model	PCS-60A
Crimping Force	60t
Stroke	38.5mm
Rated Pressure	700bar
Crimping Capacity	Max Cu/Al: 60mm, max steel: 26mm
Packing	Steel case+ carton case
Net Weight	23.4kg
Gross Weight	29.4kg
Dimensions	24x22x45cm
Packing Size	51x27x23cm

## PCS-100 Hydraulic Crimping Head

- ▲ Crimp overhead line ACSR, strain clamps for 110kV and underground cable sleeves for 200kV
- ▲ Double-acting hydraulic cylinder can shorten piston reset time
- ▲ Double action cylinder makes piston fast retraction
- ▲ Quick coupler for easy disassembly
- ▲ Powered by double acting hydraulic



Model	PCS-100
Crimping Force	100t
Stroke	22mm
Rated Pressure	700bar
Crimping Capacity	Max Cu/Al: 76mm, max steel: 36mm
Packing	Steel case+ carton case
Net Weight	31.3kg
Gross Weight	36.5kg
Dimensions	28x18x37cm
Packing Size	38x28x46cm

## PCS-200 Hydraulic Crimping Head

- ▲ Crimp overhead line strain clamps and splicing sleeves for 500kV and underground cable sleeve for 220kV
- ▲ Double-acting hydraulic cylinder can shorten piston reset time
- ▲ Double action cylinder makes piston fast retraction
- ▲ Quick coupler for easy disassembly
- ▲ Powered by double acting hydraulic



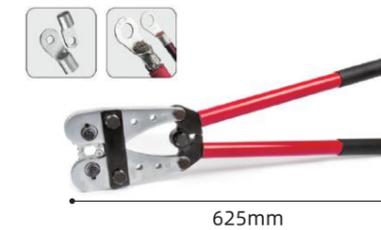
Model	PCS-200
Crimping Force	200t
Stroke	40mm
Rated Pressure	700bar
Crimping Capacity	Max Cu/Al: 100mm, max steel: 50mm
Packing	Steel case+ carton case
Net Weight	85.4kg
Gross Weight	95.1kg
Dimensions	37x24x44cm
Packing Size	52x35x50cm

## HT-50 Mechanical Crimper



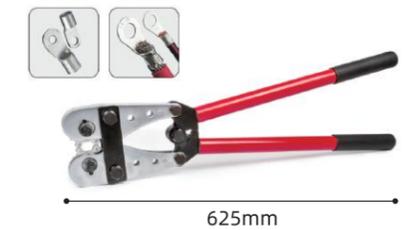
Model	HT-50
Crimping Capacity	6-50mm <sup>2</sup>

## HT-120 Mechanical Crimper



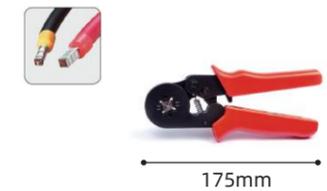
Model	HT-120
Crimping Capacity	10-120mm <sup>2</sup>

## HT-150 Mechanical Crimper



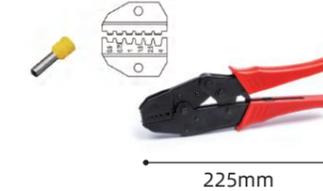
Model	HT-150
Crimping Capacity	25-150mm <sup>2</sup>

## TC-6 Sleeve Terminal Crimper



Model	TC-6
Crimping Capacity	0.25-6mm <sup>2</sup>

## TH-10 Insulated and Non-insulated Sleeve Crimper



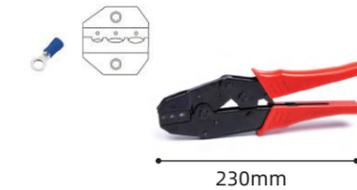
Model	TH-10
Crimping Capacity	0.75-10mm <sup>2</sup>

## T-S6L Non-preinsulated Terminal Crimper



Model	T-S6L
Crimping Capacity	0.5-1/1-2.5/4-6mm <sup>2</sup>

## T-J6 Pre-insulated Terminal Crimper



Model	T-J6
Crimping Capacity	1-6mm <sup>2</sup>

## T-S10L Bare Terminal Crimper



Model	T-S10L
Crimping Capacity	0.5-1/1.5-2.5/4-6/10mm <sup>2</sup>

## T-S6 Bare Terminal Crimper (Japan Type)



Model	T-S6
Crimping Capacity	0.5-6mm <sup>2</sup>

## T-S10 Bare Terminal Crimper(Japan Type)



Model	T-S10
Crimping Capacity	1.25-10mm <sup>2</sup>

## T-S16 Bare Terminal Crimper(Japan Type)



Model	T-S16
Crimping Capacity	5.5-16mm <sup>2</sup>

## T-S16L Bare Terminal Crimper(Japan Type)



Model	T-S16L
Crimping Capacity	1.25-16mm <sup>2</sup>

# BATTERY CUTTER SERIES

High strength ■ Cutting fast ■ Easy to operate ■ Automatic pressure release

Our strength can be seen

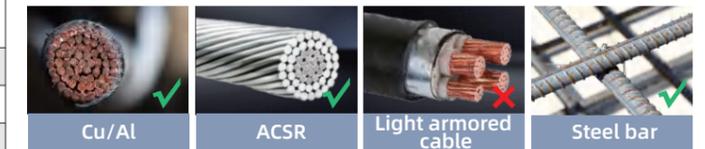


## ECT-45 Battery Powered Cutting Tool

- ▲ Flip-open head, head rotates 360°
- ▲ Two stage hydraulic, automatic pressure-release
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ With LED light for dark place
- ▲ High-capacity 18V Li-ion battery, with quick charger
- ▲ PP plastic, molding in one, strong and anti-impact
- ▲ The exact cutting capacity depends on the type of cable



Model	ECT-45
Output Force	6t
Rated Pressure	700bar
Cutting Capacity	Max $\Phi$ 45mm Cu/Al/ACSR, Max $\Phi$ 12mm steel bar
Net Weight	5.5kg
Gross Weight	11.8kg
Dimensions	45x26x8cm
Packing Size	59x52x14cm

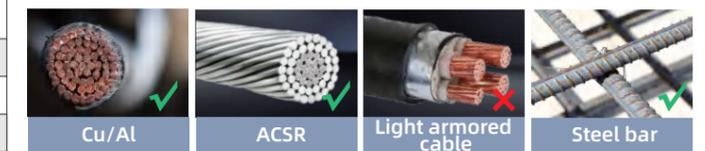


## ECT-55 Battery Powered Cutting Tool

- ▲ Flip-open head, head rotates 360°
- ▲ Two stage hydraulic, automatic pressure-release
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ With LED light for dark place
- ▲ High-capacity 18V Li-ion battery, with quick charger
- ▲ PP plastic, molding in one, strong and anti-impact
- ▲ The exact cutting capacity depends on the type of cable



Model	ECT-55
Output Force	12t
Rated Pressure	700bar
Cutting Capacity	Max $\Phi$ 55mm Cu/Al/ACSR, Max $\Phi$ 22mm steel bar
Net Weight	8.5kg
Gross Weight	14.9kg
Dimensions	45x26x8cm
Packing Size	59x52x14cm



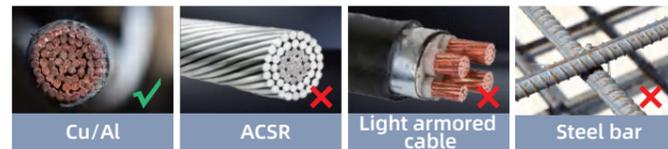
# Cutting Tools

Electrical Construction Tools

## ECT-50 Battery Powered Cutting Tool

- ▲ Flip-open head, head rotates 360°
- ▲ Two stage hydraulic, automatic pressure-release
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ With LED light for dark place
- ▲ High-capacity 18V Li-ion battery, with quick charger
- ▲ PP plastic, molding in one, strong and anti-impact
- ▲ For cutting copper and aluminum cables

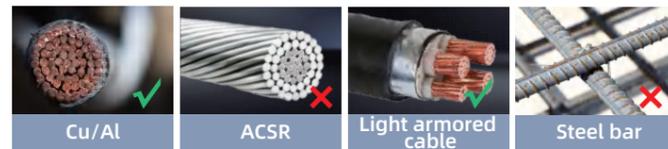
Model	ECT-50
Output Force	6t
Rated Pressure	700bar
Cutting Capacity	Max Φ50mm Cu/Al, 10kV single-core cable 400mm <sup>2</sup>
Net Weight	5.0kg
Gross Weight	11.4kg
Dimensions	44x28x8cm
Packing Size	59x52x14cm



## ECT-105 Battery Powered Cutting Tool

- ▲ Flip-open head, head rotates 360°
- ▲ Two stage hydraulic, automatic pressure-release
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ With LED light for dark place
- ▲ High-capacity 18V Li-ion battery, with quick charger
- ▲ PP plastic, molding in one, strong and anti-impact
- ▲ The exact cutting capacity depends on the type of cable

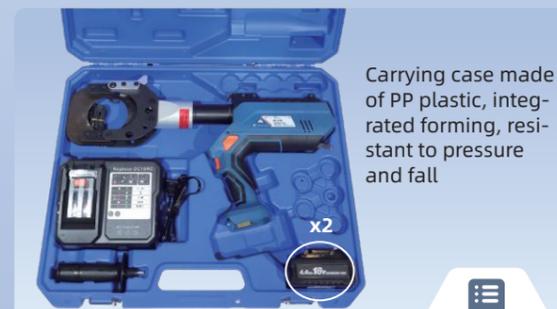
Model	ECT-105
Output Force	12t
Rated Pressure	700bar
Cutting Capacity	Max Φ105mm Cu/Al, Max 3x400mm <sup>2</sup> light armored cable
Net Weight	10.6kg
Gross Weight	15.2kg
Dimensions	64x28x9cm
Packing Size	68x50x14cm



## ECT-85

## Battery Powered Cutting Tool

- ▲ Flip-open head, head rotates 360°
- ▲ Two stage hydraulic, automatic pressure-release
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ With LED light for dark place
- ▲ High-capacity 18V Li-ion battery, with quick charger
- ▲ The exact cutting capacity depends on the type of cable



Carrying case made of PP plastic, integrated forming, resistant to pressure and fall

### Standard

Cutter	1 pc	Shoulder strap	1 pc
4.0A battery	2 pcs	Handle	1 pc
Fast charger	1 pc	Durable tool box	1 pc

Output Force	6t
Rated Pressure	700bar
Cutting Capacity	Max Φ85mm Cu/Al, Max(10kV) 3x185mm <sup>2</sup> light armored cable
Net Weight	6.7kg
Gross Weight	13.1kg
Dimensions	55x45x8mm
Packing Size	59x52x14cm

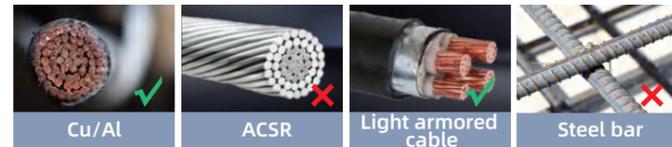
# Cutting Tools

Electrical Construction Tools

## ECT-105C Battery Powered Cutting Tool

- ▲ Scissors type open head, head rotates 360°
- ▲ Two stage hydraulic, automatic pressure-release
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ With LED light for dark place
- ▲ High-capacity 18V Li-ion battery, with quick charger
- ▲ PP plastic, molding in one, strong and anti-impact
- ▲ For cutting copper and aluminum cables with light armor (depending on cable type)

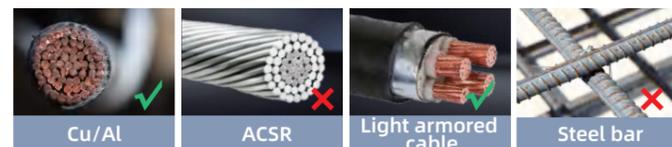
Model	ECT-105C
Output Force	20t
Rated Pressure	700bar
Cutting Capacity	Max $\Phi$ 105mm Cu/Al, max(10kV) 3x400mm <sup>2</sup> light armored cable
Net Weight	10.3kg
Gross Weight	18kg
Dimensions	64x28x9cm
Packing Size	78x45x13cm



## ECT-120C Battery Powered Cutting Tool

- ▲ Scissors type open head, head rotates 360°
- ▲ Two stage hydraulic, automatic pressure-release
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ With LED light for dark place
- ▲ High-capacity 18V Li-ion battery, with quick charger
- ▲ PP plastic, molding in one, strong and anti-impact
- ▲ The exact cutting capacity depends on the type of cable

Model	ECT-120C
Output Force	20t
Rated Pressure	700bar
Cutting Capacity	Max $\Phi$ 120mm Cu/Al, max(35kV) 3x400mm <sup>2</sup> light armored cable
Net Weight	12.5kg
Gross Weight	20.3kg
Dimensions	73x37x12cm
Packing Size	78x45x13cm



## ECT-30MC Battery Powered Mini Cutting Tool

- ▲ Suitable for narrow working space
- ▲ Light weight, easy operation
- ▲ Can cut insulated conductors and bare conductors with steel cores



Cutting Force	6t
Stroke	22mm
Rated Pressure	700bar
Oil Reservoir	50ml
Cutting Capacity	Max $\Phi$ 30mm Cu/Al/ACSR
Net Weight	2.6kg
Gross Weight	8.5kg
Dimensions	45x12x8cm
Packing Size	59x52x14cm



Standard			
Cutter	1 pc	Charger	1 pc
2.0A battery	2 pcs	Durable tool box	1 pc

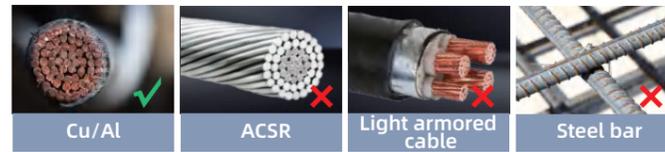


Country  
**South Africa**  
ACSR cable cutting operation

## Cutting Tools

Electrical Construction Tools

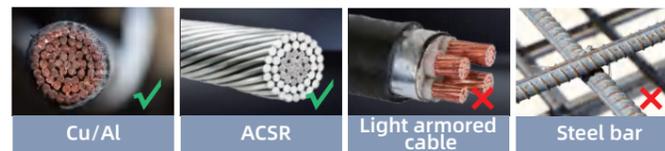
### ECT-32L Battery Powered Mini Cutting Tool



Model	ECT-32L
Cutting Force	1.5t
Stroke	27mm
Rated Pressure	700bar
Oil Reservoir	50ml
Cutting Capacity	Max $\Phi$ 32mm single-core Cu/Al cable
Net Weight	2.0kg
Gross Weight	7.9kg
Dimensions	40x14x8cm
Packing Size	59x52x14cm

- ▲ Suitable for narrow working space
- ▲ Light weight, easy operation
- ▲ Head rotates 350-degree
- ▲ Automatic pressure relief and automatic reset
- ▲ Flip-open head easy access to the fittings
- ▲ High performance, high capacity 18V lithium battery with power display, equipped with fast charger
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ Two LED working lights help work easier in dark area
- ▲ PP plastic, molding in one, strong and anti-impact

### ECT-25 Battery Powered Mini Cutting Tool



Model	ECT-25
Cutting Force	6t
Stroke	25mm
Rated Pressure	700bar
Oil Reservoir	50ml
Cutting Capacity	Max $\Phi$ 25mm Cu/Al / ACSR cable
Net Weight	2.1kg
Gross Weight	8.1kg
Dimensions	38x9x9cm
Packing Size	59x52x14cm

- ▲ Suitable for narrow working space
- ▲ Light weight, easy operation
- ▲ Head rotates 350-degree
- ▲ Automatic pressure relief and automatic reset
- ▲ Scissor-shaped opening for easy access to the fittings
- ▲ High performance, high capacity 18V lithium battery with power display, equipped with fast charger
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ Two LED working lights help work easier in dark area
- ▲ PP plastic, molding in one, strong and anti-impact



### RC-54 Battery Powered Ratchet Cable Cutter

- ▲ Suitable for narrow working space
- ▲ Light weight, easy operation
- ▲ The tool is small and suitable for cutting in narrow working space
- ▲ Flip top style, easy to pick & place cable
- ▲ High-capacity 18V Li-ion battery with quick charger
- ▲ It has built-in overload protection device to prevent overload operation
- ▲ The exact cutting capacity depends on the type of cable

Cutting Capacity	Max $\Phi$ 54mm Cu/Al
Net Weight	2.5kg
Gross Weight	5.1kg
Dimensions	19x12x39cm
Packing Size	44x38x16cm

## RC-54AC

### Battery Powered Ratchet Cable Cutter

- ▲ Suitable for narrow working space
- ▲ Light weight, easy operation
- ▲ The tool is small and suitable for cutting in narrow working space
- ▲ Flip-open head, easy to pick & place cable
- ▲ High-capacity 18V Li-ion battery with quick charger
- ▲ It has built-in overload protection device to prevent overload operation
- ▲ The exact cutting capacity depends on the type of cable

Cutting Capacity	100mm <sup>2</sup> copper strand wire, max 240mm <sup>2</sup> ACSR
Net Weight	2.5kg
Gross Weight	5.1kg
Dimensions	19x12x39cm
Packing Size	44x38x16cm



<b>Standard</b>	
Cutter	1 pc
4.0A battery	2 pcs
Charger	1 pc
Durable tool box	1 pc

### HC-45 Manual Hydraulic Cutting Tool



- ▲ Flip-open head, cutting head rotates 350°
- ▲ Two stage hydraulics, automatic pressure-release
- ▲ Fast cutting, light weight, easier for cutting
- ▲ Hand release button, release during the operation with quick retraction
- ▲ The exact cutting capacity depends on the type of cable

Model	HC-45
Cutting Force	6t
Rated Pressure	700bar
Cutting Capacity	Max Φ45mm Cu/Al/ACSR, max Φ12mm steel bar
Net Weight	5.5kg
Gross Weight	8.1kg
Dimensions	59x20x7cm
Packing Size	68x30x12cm

### HC-50 Manual Hydraulic Cutting Tool



- ▲ Flip-open head, cutting head rotates 350°
- ▲ Two stage hydraulics, automatic pressure-release
- ▲ Fast cutting, light weight, easier for cutting
- ▲ Hand release button, release during the operation with quick retraction
- ▲ The exact cutting capacity depends on the type of cable

Model	HC-50
Cutting Force	6t
Rated Pressure	700bar
Cutting Capacity	Max Φ50mm Cu/Al 10kV 400mm <sup>2</sup>
Net Weight	3.9kg
Gross Weight	6.5kg
Dimensions	57x19x7cm
Packing Size	68x30x12cm

### HC-55 Manual Hydraulic Cutting Tool



- ▲ Flip-open head, cutting head rotates 350°
- ▲ Two stage hydraulics, automatic pressure-release
- ▲ Fast cutting, light weight, easier for cutting
- ▲ Hand release button, release during the operation with quick retraction
- ▲ The exact cutting capacity depends on the type of cable

Model	HC-55
Cutting Force	12t
Rated Pressure	700bar
Cutting Capacity	Max Φ55mm Cu/Al/ACSR, max Φ22mm steel bar
Net Weight	7.0kg
Gross Weight	9.6kg
Dimensions	61x19x9cm
Packing Size	68x30x12cm

### HC-85 Manual Hydraulic Cutting Tool



- ▲ Flip-open head, cutting head rotates 350°
- ▲ Two stage hydraulics, automatic pressure-release
- ▲ Fast cutting, light weight, easier for cutting
- ▲ Hand release button, release during the operation with quick retraction
- ▲ The exact cutting capacity depends on the type of cable

Model	HC-85
Cutting Force	6t
Rated Pressure	700bar
Cutting Capacity	Max Φ85mm Cu/Al, max(10kV) 3x185mm <sup>2</sup> light armored cable
Net Weight	5.8kg
Gross Weight	9.5kg
Dimensions	68x20x8cm
Packing Size	73x36x13cm

### PC-30C Hydraulic Cutting Head



- ▲ C-type opening for easy access to the fitting
- ▲ Powered by single acting hydraulic pump
- ▲ The exact cutting capacity depends on the type of cable

Model	PC-30C
Cutting Force	6t
Rated Pressure	700bar
Cutting Capacity	Max Φ30mm Cu/Al/ACSR
Packing	Canvas bag+ carton case
Gross Weight	3.2kg
Packing Size	42x13x18cm

### PC-40 Hydraulic Cutting Head



- ▲ Cut copper flat wire of transformer
- ▲ C-type opening for easy access to the fitting
- ▲ Powered by single acting hydraulic pump
- ▲ The exact cutting capacity depends on the type of cable

Model	PC-40
Cutting Force	6t
Rated Pressure	700bar
Cutting Capacity	Max Φ40mm flat copper wire
Packing	Canvas bag+ carton case
Net Weight	4.5kg
Gross Weight	5.1kg
Dimensions	36x10x7cm
Packing Size	41x13x18cm

### PC-45 Hydraulic Cutting Head



- ▲ Flip-open head easy access to the fitting
- ▲ Powered by single acting hydraulic pump
- ▲ The exact cutting capacity depends on the type of cable

Model	PC-45
Cutting Force	6t
Rated Pressure	700bar
Cutting Capacity	Max Φ45mm Cu/Al/ACSR max Φ12mm steel bar
Packing	Canvas bag+ carton case
Net Weight	3.8kg
Gross Weight	4.5kg
Dimensions	37x10x7cm
Packing Size	41x13x18cm

### PC-50 Hydraulic Cutting Head



- ▲ For cutting copper and aluminum cables
- ▲ Powered by single acting hydraulic pump

Model	PC-50
Cutting Force	6t
Rated Pressure	700bar
Cutting Capacity	Max Φ50mm Cu/Al
Packing	Canvas bag+ carton case
Net Weight	3.0kg
Gross Weight	3.7kg
Dimensions	36x10x7cm
Packing Size	41x13x18cm

### PC-55 Hydraulic Cutting Head



- ▲ Flip-open head easy access to the fitting
- ▲ Powered by single acting hydraulic pump
- ▲ The exact cutting capacity depends on the type of cable

Model	PC-55
Cutting Force	12t
Rated Pressure	700bar
Cutting Capacity	Max $\Phi$ 55mm Cu/Al/ACSR max $\Phi$ 22mm steel bar
Packing	Canvas bag+ carton case
Net Weight	5.6kg
Gross Weight	6.3kg
Dimensions	40x13x8cm
Packing Size	41x13x19cm

### PC-85 Hydraulic Cutting Head



- ▲ For cutting copper and aluminum cables with light armor
- ▲ Flip-open head easy access to the fitting
- ▲ Powered by single acting hydraulic pump
- ▲ The exact cutting capacity depends on the type of cable

Model	PC-85
Cutting Force	6t
Rated Pressure	700bar
Cutting Capacity	Max $\Phi$ 85mm Cu/Al max(10kV) 3x185mm <sup>2</sup> light armored cable
Packing	Canvas bag+ carton case
Net Weight	4.1kg
Gross Weight	4.8kg
Dimensions	47x18x7cm
Packing Size	51x22x11cm

### PC-120C Hydraulic Cutting Head



- ▲ For cutting copper and aluminum cables with light armor
- ▲ C-type opening for easy access to the fitting
- ▲ Powered by single acting hydraulic pump
- ▲ The exact cutting capacity depends on the type of cable

Model	PC-120C
Cutting Force	20t
Rated Pressure	700bar
Cutting Capacity	Max $\Phi$ 120mm Cu/Al, max(35kV) 3x400mm <sup>2</sup> light armored cable
Packing	Steel case+ carton case
Net Weight	9.9kg
Gross Weight	13.6kg
Dimensions	56x27x12cm
Packing Size	73x36x13cm

### PC-132 Hydraulic Cutting Head



- ▲ For cutting copper and aluminum cables with light armor
- ▲ Flip top style for easy access to the fitting
- ▲ Powered by single acting hydraulic pump
- ▲ The exact cutting capacity depends on the type of cable

Model	PC-132
Cutting Force	10t
Rated Pressure	700bar
Cutting Capacity	Max $\Phi$ 132mm light armored Cu/Al
Packing	Plastic case+ carton case
Net Weight	12.1kg
Gross Weight	15.8kg
Dimensions	66x24x10cm
Packing Size	73x36x13cm

### PC-105 Hydraulic Cutting Head



- ▲ For cutting copper and aluminum cables with light armor
- ▲ Flip-open head easy access to the fitting
- ▲ Powered by single acting hydraulic pump
- ▲ The exact cutting capacity depends on the type of cable

Model	PC-105
Cutting Force	12t
Rated Pressure	700bar
Cutting Capacity	Max $\Phi$ 105mm Cu/Al, max(10kV) 3x400mm <sup>2</sup> light armored cable
Packing	Plastic case+ carton case
Net Weight	8.6kg
Gross Weight	12.2kg
Dimensions	54x25x9cm
Packing Size	73x36x13cm

### PC-105C Hydraulic Cutting Head



- ▲ For cutting copper and aluminum cables with light armor
- ▲ C-type opening for easy access to the fitting
- ▲ Powered by single acting hydraulic pump
- ▲ The exact cutting capacity depends on the type of cable

Model	PC-105C
Cutting Force	20t
Rated Pressure	700bar
Cutting Capacity	Max $\Phi$ 105mm Cu/Al, max 3x400mm <sup>2</sup> light armored cable
Packing	Plastic case+ carton case
Net Weight	9.7kg
Gross Weight	13.4kg
Dimensions	56x19x11cm
Packing Size	73x36x13cm

### PC-132L Hydraulic Cutting Head



- ▲ For steel wire armored cable
- ▲ Flip-open head for easy access to the fitting
- ▲ Powered by single acting hydraulic pump

Model	PC-132L
Cutting Force	15t
Rated Pressure	700bar
Cutting Capacity	Max $\Phi$ 132mm steel wire armored Cu/Al
Packing	Plastic case+ carton case
Net Weight	15.6kg
Gross Weight	24.7kg
Dimensions	66x24x10cm
Packing Size	73x37x14cm

### PC-160B Hydraulic Cutting Head



- ▲ For steel wire armored cable
- ▲ Flip-open head design, easy to put in the cable
- ▲ Powered by single acting hydraulic pump
- ▲ The exact cutting capacity depends on the type of cable

Model	PC-160B
Cutting Force	18t
Rated Pressure	700bar
Cutting Capacity	Max $\Phi$ 160mm steel wire armored Cu/Al
Packing	Wooden case
Net Weight	24kg
Gross Weight	28kg
Dimensions	78x26x10cm
Packing Size	87x32x12cm

### PC-170 Hydraulic Cutting Head



- ▲ For steel wire armored cable
- ▲ Double acting cylinder, quick oil return
- ▲ Hardened blades, faster cutting speed

Model	PC-170
Cutting Force	30t
Rated Pressure	700bar
Cutting Capacity	Max Φ160mm steel wire armored Cu/Al
Packing	Wooden case
Net Weight	95kg
Dimensions	97x34x15cm

### PC-170B Hydraulic Cutting Head



- ▲ For steel wire armored cable
- ▲ Powered by single acting hydraulic pump
- ▲ Hardened blades, faster cutting speed

Model	PC-170B
Cutting Force	30t
Rated Pressure	700bar
Cutting Capacity	Max Φ170mm steel wire armored Cu/Al
Packing	Steel case+ carton case
Net Weight	30.4kg
Dimensions	77x31x13cm

### CCST-220 Cable Spiking Tool

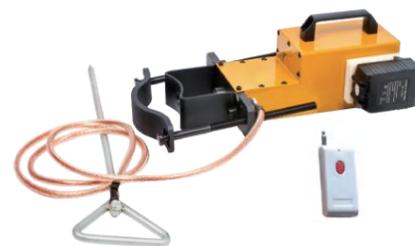
- ▲ 15T hydraulic cylinder, strong spiking force
- ▲ With alloy steel spiking head, can be used repeatedly
- ▲ Powered by hand or electric insulated hydraulic pump
- ▲ Easy operation and good effect
- ▲ Can be used with insulated cutter



Model	CCST-220
Output Force	15t
Puncturing Diameter	135mm
Puncturing Depth	50mm
Packing	Steel case+ carton case
Net Weight	11.0kg
Gross Weight	16.0kg
Dimensions	24x29x18cm
Packing Size	40x36x22cm

### ESCT-220 Cable Spiking Tool With Wireless Remote Control

- ▲ Light weight easy to carry
- ▲ Powered by Li-ion battery, convenient to use
- ▲ Remote control, ensure safety
- ▲ Steel nail as spiking head, easy to replace
- ▲ Maximum remote control distance 20m



Model	ESCT-220
Output Force	3t
Puncturing Diameter	160mm
Puncturing Depth	55mm
Packing	Plastic case+ carton case
Net Weight	8.5kg
Gross Weight	13.8kg
Dimensions	44x23x16cm
Packing Size	53x41x24cm

### HICT-132-35kV Insulated Hydraulic Cutting Tool With Hand & Foot Pump

- ▲ Used to cut Cu/Al or armored cable 35kV and below when it's not sure live, prevent human injury from mis-operation
- ▲ Qualified by an authoritative organization
- ▲ 10m imported insulated hydraulic hose ensure operator from cutting point, passed insulated test of third party
- ▲ For cutting copper and aluminum cables with light weight steel armored (depending on cable type)
- ▲ Quick coupler for easy disassembl

Hand-foot pump made of Al alloy,  
**8.6kg only**



Model	HICT-132-35kV
Cutting Force	10t
Rated Pressure	700bar
Cutting Capacity	Max Φ132mm armored Cu/Al
Packing	Al-alloy+ carton case
Gross Weight	30.7kg
Packing Size	75x39x40cm

### EICT-132-35kV Insulated Hydraulic Cutting Tool With Electric Pump

- ▲ Used to cut Cu/Al or armored cable 35kV and below when it's not sure live, prevent human injury from mis-operation
- ▲ Qualified by an authoritative organization
- ▲ 10m imported insulated hydraulic hose ensure operator from cutting point, passed insulated test of third party
- ▲ For cutting copper and aluminum cables with light weight steel armored (depending on cable type)
- ▲ Quick coupler for easy disassembl



Model	EICT-132-35kV
Cutting Force	10t
Rated Pressure	700bar
Cutting Capacity	Max Φ132mm armored Cu/Al
Packing	Al-alloy+ carton case
Gross Weight	39.4kg
Packing Size	75x39x40cm



Optional: wireless remote control (ESIC-132-35kV)

- ▲ Equipped with two 18V batteries, 40 minutes quick charger, suitable for the environment without power supply
- ▲ Pressure relief system makes relief at any time if necessary
- ▲ Prevent accidents of casualties caused by improper operation in maintenance work, wireless remote control (15m distance) electric pump makes operator completely does not contact, ensure safety
- ▲ Passed test by third party, for cutting copper and aluminum cables with light weight steel armoured (depending on cable type)
- ▲ 10m imported insulated hose ensure insulation and keep operator away from cutting parts
- ▲ For cutting copper and aluminum cables with light armored (depending on cable type)

**ESS-105-10kV Wireless Insulated Hydraulic Cutting Tool With Battery Pump**



Model	ESS-105-10kV
Cutting Force	12t
Rated Pressure	700bar
Cutting Capacity	Max Φ105mm light armored Cu/Al
Reservoir Capacity	0.7L
Oil Delivery at High/Low Pressure	0.21(1.65)L/min
Packing	Steel case
Gross Weight	20.2kg
Packing Size	75x39x40cm

**ESS-120C-35kV Wireless Insulated Hydraulic Cutting Tool With Battery Pump**

Scissors type cutting head, easy to operate



Model	ESS-120C-35kV
Cutting Force	20t
Rated Pressure	700bar
Cutting Capacity	Max Φ120mm light armored Cu/Al (scissors type cutting head)
Reservoir Capacity	0.7L
Oil Delivery at High/Low Pressure	0.21(1.65)L/min
Packing	Steel case
Gross Weight	24.2kg
Packing Size	75x39x40cm

**ESS-132-35kV Wireless Insulated Hydraulic Cutting Tool With Battery Pump**



Model	ESS-132-35kV
Cutting Force	10t
Rated Pressure	700bar
Cutting Capacity	Max Φ132mm light armored Cu/Al
Reservoir Capacity	0.7L
Oil Delivery at High/Low Pressure	0.21(1.65)L/min
Packing	Steel case
Gross Weight	24.2kg
Packing Size	75x39x40cm

**Hand-operated Ratchet Cable Cutter J13**

\* Retracted or extended handle



- ▲ Operated by one hand
- ▲ Ergonomic handles, skid resistance

Model	J13
Cutting Capacity	Max 720mm <sup>2</sup> ACSR Max 150mm <sup>2</sup> galvanized steel strand
Gross Weight	2.2kg
Packing Size	37x13x6cm

**Hand-operated Ratchet Cable Cutter J25**

\* Retracted or extended handle



- ▲ Operated by one hand
- ▲ Ergonomic handles, skid resistance

Model	J25
Cutting Capacity	Max 800mm <sup>2</sup> ACSR Max 150mm <sup>2</sup> galvanized steel strand
Gross Weight	3.2kg
Packing Size	41x17x5cm

**Hand-operated Ratchet Cable Cutter J30**

\* Retracted or extended handle



- ▲ Operated by one hand
- ▲ Ergonomic handles, skid resistance

Model	J30
Cutting Capacity	Max 630mm <sup>2</sup> ACSR Max 100mm <sup>2</sup> galvanized steel strand
Gross Weight	3.6kg
Packing Size	43x16x6cm

**Hand-operated Ratchet Cable Cutter J40**



- ▲ Operated by one hand
- ▲ Ergonomic handles, skid resistance

Model	J40
Cutting Capacity	Max 300mm <sup>2</sup> Cu/Al
Gross Weight	1.5kg
Packing Size	39x16x5cm

**Hand-operated Ratchet Cable Cutter J52**

\* Retracted or extended handle



- ▲ Operated by one hand
- ▲ Ergonomic handles, skid resistance

Model	J52
Cutting Capacity	500mm <sup>2</sup> (≤Φ52mm) armored Cu/Al
Gross Weight	3.3kg
Packing Size	44x17x6cm

**Hand-operated Ratchet Cable Cutter J75**

\* Retracted or extended handle



- ▲ Operated by one hand
- ▲ Ergonomic handles, skid resistance

Model	J75
Cutting Capacity	Φ75mm armored Cu/Al
Gross Weight	4.0kg
Packing Size	44x22x6cm

**Hand-operated Ratchet Cable Cutter J100**

\* Retracted or extended handle



- ▲ Operated by one hand
- ▲ Ergonomic handles, skid resistance

Model	J100
Cutting Capacity	3x300mm <sup>2</sup> (≤Φ100mm) armored Cu/Al
Gross Weight	7.4kg
Packing Size	50x30x7cm

**Hand-operated Ratchet Cable Cutter J130**

\* Retracted or extended handle



- ▲ Operated by one hand
- ▲ Ergonomic handles, skid resistance

Model	J130
Cutting Capacity	Φ130mm armored Cu/Al
Gross Weight	9.4kg
Packing Size	55x34x7cm

**Hand-operated Ratchet Cable Cutter HS-500B**



- ▲ Operated by one hand
- ▲ Ergonomic handles, skid resistance

Model	HS-500B
Cutting Capacity	Max 400mm <sup>2</sup>
Gross Weight	1.1kg
Packing Size	29x15x4cm

## Cutting Tools

Electrical Construction Tools

### CC-325 Ratchet Cable Cutter



Model	CC-325
Cutting Capacity	Max $\Phi$ 32mm Cu/Al
Packing	Plastic-filmed card
Net Weight	0.6kg
Gross Weight	0.7kg
Dimensions	26x10x4cm
Packing Size	32x13x4cm

### CC-520 Ratchet Cable Cutter



Model	CC-520
Cutting Capacity	Max $\Phi$ 52mm Cu/Al
Packing	Plastic-filmed card
Net Weight	1.2kg
Gross Weight	1.6kg
Dimensions	42x14x4cm
Packing Size	50x18x4cm

### LK-38A Cable Cutter

▲ Not for cutting steel or steel wire



Model	LK-38A
Cutting Capacity	Max 35mm <sup>2</sup>
Weight	0.35kg

### LK-22A Cable Cutter

▲ Not for cutting steel or steel wire



Model	LK-22A
Cutting Capacity	Max 25mm <sup>2</sup>
Weight	0.19kg

### LK-100 Cable Cutter

▲ Cutting easily with forging blade and long lifetime  
▲ Not for cutting steel or steel wire



Model	LK-100
Cutting Capacity	Max $\Phi$ 14mm
Weight	0.45kg

### HS-125 Cable Cutter

▲ Not for cutting steel or steel wire  
▲ For Cu/Al conductor and communication cable only.



Model	HS-125
Cutting Capacity	Max 125mm <sup>2</sup>
Weight	0.7kg

### LK-250 Cable Cutter

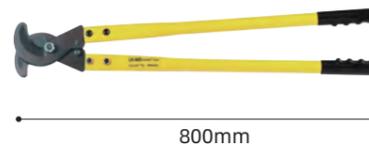
▲ Cutting easily with forging blade and long lifetime  
▲ Not for cutting steel or steel wire



Model	LK-250
Cutting Capacity	Max 250mm <sup>2</sup>
Weight	1.2kg

### LK-500 Cable Cutter

▲ Cutting easily with forging blade and long lifetime  
▲ Not for cutting steel or steel wire

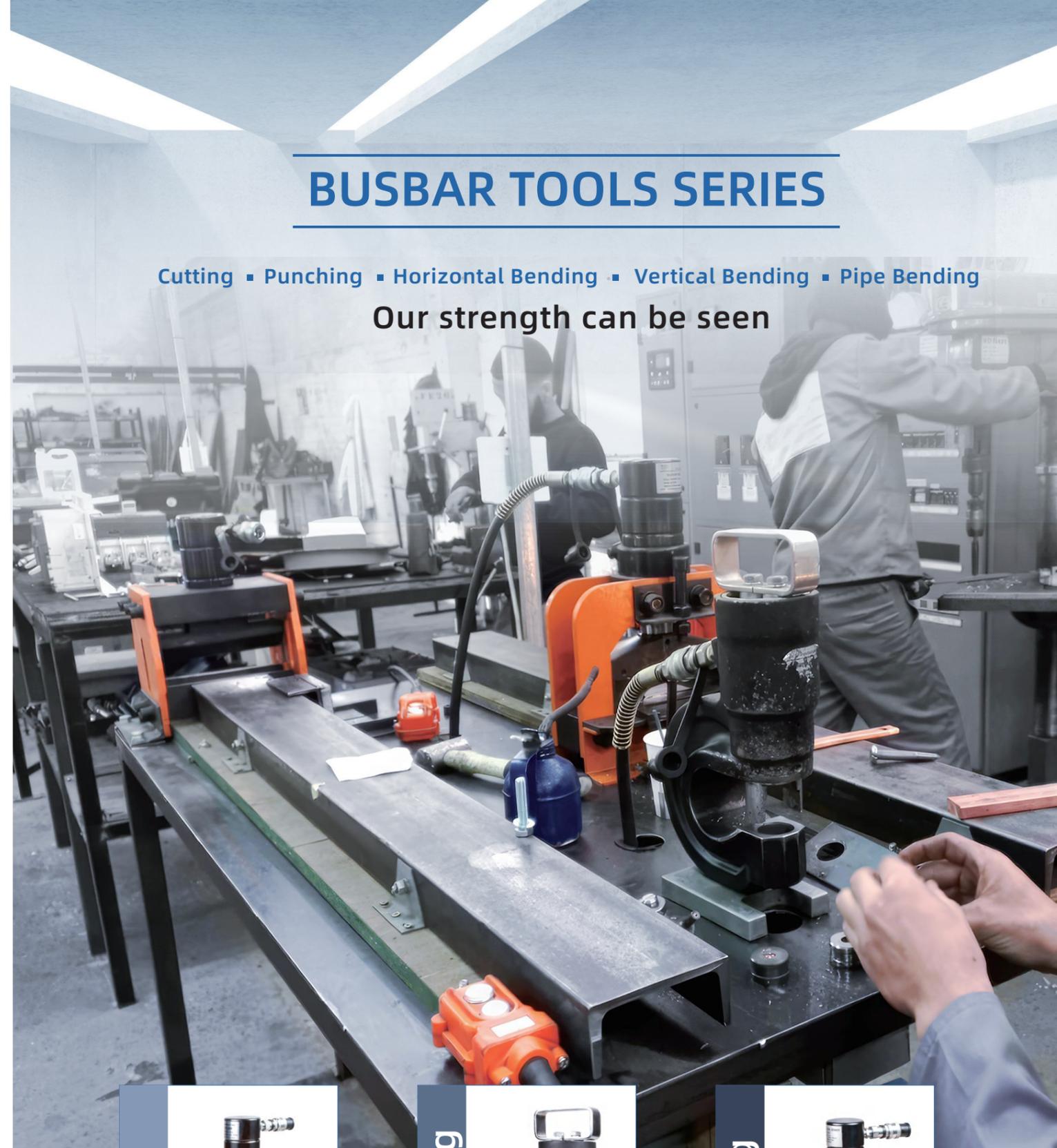


Model	LK-500
Cutting Capacity	Max 500mm <sup>2</sup>
Weight	2.8kg

## BUSBAR TOOLS SERIES

Cutting ■ Punching ■ Horizontal Bending ■ Vertical Bending ■ Pipe Bending

Our strength can be seen



**BC-150V Busbar Cutting Tool**



- ▲ Used to cut Cu and Al busbar
- ▲ Quick cut with smooth cut surface, chipping, cut waste easy to recycle
- ▲ V-type blade ensure cut surface not depressed, efficient contact area of busbar
- ▲ Scale engraved helps the center adjustment easier
- ▲ Quick coupler for easy disassembly
- ▲ Powered by single acting hydraulic pump

Model	BC-150V
Output Force	25t
Rated Pressure	700bar
Max Cutting Thickness	12mm
Max Cutting Width	150mm
Amount of Oil Required	237ml
Packing	Steel case+ carton case
Gross Weight	33.5kg
Packing Size	38x28x46cm

**BC-200V Busbar Cutting Tool**



- ▲ Used to cut Cu and Al busbar
- ▲ Quick cut with smooth cut surface, chipping, cut waste easy to recycle
- ▲ V-type blade ensure cut surface not depressed, efficient contact area of busbar
- ▲ Scale engraved helps the center adjustment easier
- ▲ Quick coupler for easy disassembly
- ▲ Powered by single acting hydraulic pump

Model	BC-200V
Output Force	30t
Rated Pressure	700bar
Max Cutting Thickness	12mm
Max Cutting Width	200mm
Amount of Oil Required	275ml
Packing	Steel case+ carton case
Gross Weight	40kg
Packing Size	38x28x46cm

**BC-200/16 Busbar Cutting Tool**



- ▲ Used to cut Cu and Al busbar over 500kV
- ▲ Integral hydraulic system structure, fast oil inlet and return speed
- ▲ Quick cut with smooth cut surface, chipping, cut waste easy to recycle
- ▲ V-type blade ensure cut surface not depressed, efficient contact area of busbar
- ▲ Scale engraved helps the center adjustment easier
- ▲ Quick coupler for easy disassembly
- ▲ Powered by single acting hydraulic pump

Model	BC-200/16
Output Force	40t
Rated Pressure	700bar
Max Cutting Thickness	16mm
Max Cutting Width	200mm
Amount of Oil Required	500ml
Packing	Steel case+ carton case
Gross Weight	51.7kg
Packing Size	38x28x46cm

**BH-10B Sheet Steel Puncher**



- ▲ Used for punching switch boxes, distribution boxes or instrument boxes, etc. in factories or construction sites
- ▲ Easy to operate, smooth punching hole, no flash and burr
- ▲ In addition to the regular round hole, it can also be customized square hole

Model	BH-10B
Cutting Force	9t
Rated Pressure	700bar
Punching Capacity	Plain sheet steel 3.2mm Stainless sheet steel 1.6mm
Punching Range	21.8-115.5mm
Standard Dies	1/2" 3/4" 1" 1 1/4" 1 1/2" 2", 6 pcs
Packing	Plastic case
Gross Weight	11.6kg
Packing Size	44x38x16cm

**SHAB-80B (blue) SHAB-80C (black) Busbar Punching Tool**



- ▲ Body is made of high strength steel
- ▲ Quick speed, smooth punching without burr; positioning plate for precise location
- ▲ Make punching safe and clean without punching chipping
- ▲ Equipped with quick coupler for easy disassembly
- ▲ Powered by single acting hydraulic pump

Model	SHAB-80B/C
Output Force	31t
Rated Pressure	700bar
Max Thickness	Cu/Al 13mm, plain steel 10mm
Throat Depth	80mm
Standard Accessories	Φ10.5, Φ13.5, Φ17.5, Φ20.5mm dies, fixing wrench, hexagon wrench
Optional Punching Dies	Φ8.5, Φ11.5, Φ15.5, Φ18.5mm
Packing	Steel case/plastic case
Net Weight	14.0kg
Gross Weight	16.9kg
Dimensions	23x10x37cm
Packing Size	44x38x16cm

**SH-100D Busbar Punching Tool**



- ▲ Two stage hydraulic, faster punch
- ▲ Body forged from high strength steel
- ▲ Throat depth 100mm, punching quicker and easier
- ▲ Powered by double acting hydraulic pump

Model	SH-100D
Output Force	60t
Rated Pressure	700bar
Max Thickness	Cu/Al 20mm, plain steel 16mm
Throat Depth	100mm
Standard Accessories	Φ16, Φ18, Φ22, Φ24mm dies, fixing wrench, hexagon wrench
Optional Punching Dies	Φ8.5-26mm
Packing	Steel case
Net Weight	35.9kg
Gross Weight	41.2kg
Dimensions	39x16x36cm
Packing Size	38x28x46cm

**CGK-1 Mechanical Punching Tool**

- ▲ Expand Hole, repair hole and punch hole for 10kV distribution network cross arm in power sector, tower; Punching for power plant, substation, copper and aluminum busbar, equipment clamp, flat steel, etc.

- ▲ Railway, post and telecommunications, petroleum, geology, construction industry maintenance and reinforcement. The machine does not require electricity and is suitable for outdoor, high-altitude and underwater operations
- ▲ Leverage principle, screw force, easy operation, high efficiency
- ▲ Made of ultra-high strength alloy steel, light weight and easy to carry



Model	CGK-1
Punching Thickness	≤10mm
Throat Depth	65mm
Standard Punching Die	Φ13, 15, 17, 19, 21mm
Packing	Plastic case
Weight	16kg

## ESH-25 Battery Powered Punching Tool



- ▲ Punching the pole on the cross arm
- ▲ Two stage hydraulics, automatic pressure release
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ LED working light for dark place
- ▲ High capacity 18V lithium battery with power display with fast charger
- ▲ PP plastic, molding in one, strong and anti-impact

Model	ESH-25
Output Force	12t
Rated Pressure	700bar
Max Thickness	Angle steel 6mm, Cu/Al 6.5mm
Throat Depth	25mm
Standard Punching Dies	Φ10.5, Φ13.5, Φ17.5mm
Optional Punching Dies	Below Φ17.5mm
Packing	Plastic case
Net Weight	8.8kg
Gross Weight	15.1kg
Dimensions	49x38x8cm
Packing Size	59x52x14cm

## ECT-UA6P Battery Powered Steel Sheet Punching Tool



- ▲ Two stage hydraulics, automatic pressure release
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ LED working light for dark place
- ▲ High capacity 18V lithium battery with power display with fast charger
- ▲ PP plastic, molding in one, strong and anti-impact

Model	ECT-UA6P
Output Force	6t
Rated Pressure	700bar
Punching Capacity	Plain steel plate: 3.5mm thick, 1/2-3" Stainless steel: 2.5mm thick, 1/2-3"
Standard Punching Dies	1/2-2"
Packing	Plastic case
Net Weight	3.9kg
Gross Weight	13.4kg
Dimensions	35x36x8cm
Packing Size	59x52x14cm

## EH-20 Electric Punching Tool

- ▲ Suitable for punching L-shaped angle steel, H-shaped I-beam, flat steel, copper and aluminum
- ▲ Fast punching speed, small size, light weight, easy to operate
- ▲ Hydraulic punching can eliminate the chips generated by drilling, and work more safer and Cleaner
- ▲ Easy to carry to the work site or fixed in the factory for mass punching



Model	EH-20
Voltage	220V/110V
Max Thickness	Cu/Al: 8mm, Iron/ steel plate: 6mm
Throat Depth	40mm
Packing	Steel case
Net Weight	12kg
Dimensions	27x13x50cm

## LB-150A Busbar Bending Tool



- ▲ Flip-open design, pick finished parts conveniently
- ▲ Portable for outdoor work, also can be fixed in work shop for batch work
- ▲ Used to bend Cu/Al busbar
- ▲ With scale to shoe bending angle; Max bending angle 90°
- ▲ Finished bending surface smooth without wrinkle
- ▲ Quick coupler for easy disassembly
- ▲ Powered by single acting hydraulic pump

Model	LB-150A
Output Force	15t
Rated Pressure	700bar
Bending Thickness	12mm
Bending Width	150mm
Oil Volume	180ml
Packing	Steel case+ carton case
Gross Weight	25kg
Packing Size	44x22x32cm

## LB-200C Busbar Bending Tool



- ▲ Flip-open design, pick finished parts conveniently
- ▲ Portable for outdoor work, also can be fixed in work shop for batch work
- ▲ Used to bend Cu/Al busbar
- ▲ With scale to shoe bending angle; Max bending angle 90°
- ▲ Finished bending surface smooth without wrinkle
- ▲ Quick coupler for easy disassembly
- ▲ Powered by single acting hydraulic pump

Model	LB-200C
Output Force	20t
Rated Pressure	700bar
Bending Thickness	12mm
Bending Width	200mm
Oil Volume	158ml
Packing	Steel case+ carton case
Gross Weight	32.1kg
Packing Size	32x26x38cm

## LB-200/16 Busbar Bending Tool



- ▲ Bend Cu and Al busbar over 500kV
- ▲ Integral hydraulic system, oil inlet and return fast
- ▲ Used to bend Cu/Al busbar
- ▲ With scale to shoe bending angle; Max bending angle 90°
- ▲ Finished bending surface smooth without wrinkle
- ▲ Quick coupler for easy disassembly
- ▲ Powered by single acting hydraulic pump

Model	LB-200/16
Output Force	25t
Rated Pressure	700bar
Bending Thickness	16mm
Bending Width	200mm
Oil Volume	250ml
Packing	Steel case+ carton case
Gross Weight	56.7kg
Packing Size	51x34x49cm

## OK-101 Mini Busbar Vertical Bending Tool

- ▲ Angle mark engraved for exact bending
- ▲ Flip-open, easy to take out the workpiece
- ▲ Alloy steel body with light weight, easy to carry
- ▲ Quick coupler for easy disass-embly
- ▲ Vertical bending for Cu and Al busbar 40mm for transformer plant, industrial and mining
- ▲ Bending R angle is only 40mm, it can realize the vertical bending of copper and aluminum busbar with a length of 170mm



Model	OK-101
Output Force	12t
Rated Pressure	700bar
Max Bending Capacity	Cu/Al 40mmx8mm
Need to Oil	120ml
Packing	Steel case+ carton case
Gross Weight	12kg

### OK-205A Multifunctional Busbar Bending Tool



- ▲ Alloy steel body with light weight, easy to carry
- ▲ Powered by single acting electric hydraulic pump
- ▲ 25ton cylinder makes bending powerful, fast and efficient
- ▲ Quick coupler for easy disassembly
- ▲ Angle mark engraved for exact bending
- ▲ Bend Cu and Al busbar up to 125mm for power plant and substation
- ▲ Open type, easy to take out the workpiece
- ▲ One tool for horizontal and vertical bending

Outout Force	25t
Rated Pressure	700bar
Horizontal Bending Capacity	Max 125mmx16mm Cu/Al
Vertical Bending Capacity	Max 125mmx12mm Cu/Al
Oil Volume	867ml
Standard Accessories	Double offset ring (19-inch), Allen wrench (5mm, 8mm, 10mm), Horizontal bending dies, vertical bending die base, 8pcs vertical bending dies (40-80x4 40-80x5 40-80x6 40-80x8 40-80x10 100x10 120-125x10 120-125x12) 6pcs support blocks (4, 5, 6, 8, 10, 12), Oil cylinder screw
Optional Accessories	Horizontal bending tripod
Net Weight	52.5kg
Dimensions	101x38x20cm

### OK-205L Aviation Al Multifunctional Busbar Bending Tool



- ▲ Aviation aluminum body with light weight, easy to carry
- ▲ Powered by single acting electric hydraulic pump
- ▲ 25ton cylinder makes bending powerful, fast and efficient
- ▲ Quick coupler for easy disassembly
- ▲ Angle mark engraved for exact bending
- ▲ Bend Cu and Al busbar up to 125mm for power plant and substation
- ▲ Open type, easy to take out the workpiece
- ▲ One tool for horizontal and vertical bending
- ▲ Wooden case for main body, steel case for accessories

Outout Force	25t
Rated Pressure	700bar
Horizontal Bending Capacity	Max 125mmx16mm Cu/Al
Vertical Bending Capacity	Max 125mmx12mm Cu/Al
Oil Volume	867ml
Standard Accessories	Double offset ring (19-inch), Allen wrench (5mm, 8mm, 10mm), Horizontal bending dies, vertical bending die base, 8pcs vertical bending dies (40-80x4 40-80x5 40-80x6 40-80x8 40-80x10 100x10 120-125x10 120-125x12) 6pcs support blocks (4, 5, 6, 8, 10, 12), Oil cylinder screw
Optional Accessories	Horizontal bending tripod
Net Weight	38kg
Dimensions	101x38x20cm

### OK-205D Double Acting Multifunctional Busbar Bending Tool



- ▲ Alloy steel body with light weight, easy to carry
- ▲ Powered by double acting electric hydraulic pump
- ▲ 25ton cylinder makes bending powerful, fast and efficient
- ▲ Quick coupler for easy disassembly
- ▲ Angle mark engraved for exact bending
- ▲ Bend Cu and Al busbar up to 125mm for power plant and substation
- ▲ Open type, easy to take out the workpiece
- ▲ One tool for horizontal and vertical bending

Outout Force	25t
Rated Pressure	700bar
Horizontal Bending Capacity	Max 125mmx16mm Cu/Al
Vertical Bending Capacity	Max 125mmx12mm Cu/Al
Oil Volume	867ml
Standard Accessories	Double offset ring (19-inch), Allen wrench (5mm, 8mm, 10mm), Horizontal bending dies, vertical bending die base, 8pcs vertical bending dies (40-80x4 40-80x5 40-80x6 40-80x8 40-80x10 100x10 120-125x10 120-125x12) 6pcs support blocks (4, 5, 6, 8, 10, 12), Oil cylinder screw
Optional Accessories	Horizontal bending tripod
Net Weight	53kg
Dimensions	101x38x20cm

### OK-2510-PC Multifunctional busbar& pipe bending tool



- ▲ Alloy steel body with light weight, easy to carry
- ▲ Powered by single acting electric hydraulic pump
- ▲ 25ton cylinder makes bending powerful, fast and efficient
- ▲ Clamshell design for easy access
- ▲ Equipped with quick connectors for easy disassembly
- ▲ Equipped with angle mark to ensure bending quality
- ▲ Bend Cu and Al busbar up to 125mm for power plant and substation
- ▲ One machine with three functions: horizontal bending, vertical bending and pipe bending
- ▲ Wooden cae for main body, steel case for accessories and pipe bending dies

Outout Force	25t
Rated Pressure	700bar
Horizontal Bending Cap.	Max 125mmx16mm Cu/Al
Vertical Bending Cap.	Max 125mmx12mm Cu/Al
Pipe Bending Cap.	3"
Oil Volume	867ml
Standard Accessories	Double offset ring panner (19"), allen wrench (5mm, 8mm, 10mm), horizontal bending dievertical die base, 8pcs vertical bending dies(40-80x4 40-80x5 40-80x6 40-80x8 40-80x10 100x10 120-125x10 120-125x12), 6pcs support blocks (4, 5, 6, 8, 10, 12), oil cylinder screw, 7pcs bending dies (1/2 3/4 1 1 1/2 2 2 1/2 3); 2pcs leaning dies
Optional Accessories	Horizontal bending tripod
Net Weight	53.5kg

### OK-2510-PCL Al alloy multifunctional busbar& pipe bending tool



- ▲ Aviation aluminum body with light weight, easy to carry
- ▲ Powered by single acting electric hydraulic pump
- ▲ 25ton cylinder makes bending powerful, fast and efficient
- ▲ Clamshell design for easy access
- ▲ Equipped with quick connectors for easy disassembly
- ▲ Equipped with angle mark to ensure bending quality
- ▲ Bend Cu and Al busbar up to 125mm for power plant and substation
- ▲ One machine with three functions: horizontal bending, vertical bending and pipe bending
- ▲ Wooden cae for main body, steel case for accessories and pipe bending dies

Outout Force	25t
Rated Pressure	700bar
Horizontal Bending Cap.	Max 125mmx16mm Cu/Al
Vertical Bending Cap.	Max 125mmx12mm Cu/Al
Pipe Bending Cap.	3"
Oil Volume	867ml
Standard Accessories	Double offset ring panner (19"), allen wrench (5mm, 8mm, 10mm), horizontal bending dievertical die base, 8pcs vertical bending dies(40-80x4 40-80x5 40-80x6 40-80x8 40-80x10 100x10 120-125x10 120-125x12), 6pcs support blocks (4, 5, 6, 8, 10, 12), oil cylinder screw, 7pcs bending dies (1/2 3/4 1 1 1/2 2 2 1/2 3); 2pcs leaning dies
Optional Accessories	Horizontal bending tripod
Net Weight	39kg

### OK-2510-PCD Double acting multifunctional busbar& pipe bending tool



- ▲ Alloy steel body with light weight, easy to carry
- ▲ Powered by double acting electric hydraulic pump
- ▲ 25ton cylinder makes bending powerful, fast and efficient
- ▲ Clamshell design for easy access
- ▲ Equipped with quick connectors for easy disassembly
- ▲ Equipped with angle mark to ensure bending quality
- ▲ Bend Cu and Al busbar up to 125mm for power plant and substation
- ▲ One machine with three functions: horizontal bending, vertical bending and pipe bending
- ▲ Wooden cae for main body, steel case for accessories and pipe bending dies

Outout Force	25t
Rated Pressure	700bar
Horizontal Bending Cap.	Max 125mmx16mm Cu/Al
Vertical Bending Cap.	Max 125mmx12mm Cu/Al
Pipe Bending Cap.	3"
Oil Volume	867ml
Standard Accessories	Double offset ring panner (19"), allen wrench (5mm, 8mm, 10mm), horizontal bending dievertical die base, 8pcs vertical bending dies(40-80x4 40-80x5 40-80x6 40-80x8 40-80x10 100x10 120-125x10 120-125x12), 6pcs support blocks (4, 5, 6, 8, 10, 12), oil cylinder screw, 7pcs bending dies (1/2 3/4 1 1 1/2 2 2 1/2 3); 2pcs leaning dies
Optional Accessories	Horizontal bending tripod
Net Weight	54kg

### BP-3 Hydraulic Pipe Bending Tool

- ▲ Bend water pipe, conduit pipe, gas pipe and thick steel pipe to 90°
- ▲ 1/2" ~ 2", bending to 90°once, smooth bending without wrinkle
- ▲ Quick coupler easy to disassembly
- ▲ Using high-strength aluminum alloy, lighter and stronger, easy to carry



Outout Force	15t
Rated Pressure	700bar
Application Range	Thin electric pipe 15mm (5/8")-75mm (3") Thick electric pipe 18mm (1/2")-82mm (3") Gas pipe 15 mm (1/2")-65mm (2 1/2")
Max Bending Capacity	3"
Oil Volume	516ml
Standard Accessories	1/2" 3/4" 1" 1 1/2" 2" 2 1/2" 3"
Optional Accessories	1 1/4"
Packing	Steel case
Net Weight	20.6kg
Dimensions	68x78x13cm

### BP-4 Hydraulic Pipe Bending Tool

- ▲ Bend water pipe, conduit pipe, gas pipe and thick steel pipe to 90°
- ▲ 1/2" ~ 2", bending to 90°once, smooth bending without wrinkle
- ▲ Quick coupler easy to disassembly
- ▲ Using aviation aluminum, lighter and stronger, easy to carry



Outout Force	20t
Rated Pressure	700bar
Application Range	Thin electric pipe 15mm (5/8")-75mm (3") Thick electric pipe 18mm (1/2")-104mm (4") Gas pipe 15 mm (1/2")-100mm (4")
Max Bending Capacity	4"
Oil Volume	516ml
Standard Accessories	1/2" 3/4" 1" 1 1/2" 2" 2 1/2" 3" 4"
Optional Accessories	1 1/4"
Packing	Steel case
Net Weight	33.0kg
Dimensions	74x88x25cm

Pipe Bending Dies And Pipe Diamrter Comparision Table														
Bending dies for thin electric pipe					Bending dies for thick electric pipe					Bending dies for gas pipe				
Number of pipe bending die (Pipe number)	Applicable steel pipe specifications			Radius of bending	Number of pipe bending die (Pipe number)	Applicable steel pipe specifications			Radius of bending	Number of pipe bending die (Pipe number)	Applicable steel pipe specifications			Radius of bending
	Outer dia. of pipe	Inner dia. of pipe	Tube thickness			Outer dia. of pipe	Inner dia. of pipe	Tube thickness			Outer dia. of pipe	Inner dia. of pipe	Tube thickness	
A15(3/8)	15.9	13.5	1.2	80	B16(1/2)	21.0	16.4	2.3	75	SGP15(1/2)	21.7	16.1	2.8	60
A19(3/4)	19.1	15.8	1.6	100	B22(3/4)	26.5	21.9	2.3	90	SGP20(3/4)	27.2	21.6	2.8	80
A25(1)	25.4	22.2	1.6	137	B28(1)	33.2	28.3	2.5	130	SGP25(1)	34.0	27.6	3.2	100
A31(1 1/4)	31.8	28.6	1.6	200	B36(1 1/4)	41.9	36.9	2.5	195	SGP32(1 1/4)	42.7	35.7	3.5	130
A39(1 1/2)	38.1	34.9	1.6	220	B42(1 1/2)	47.8	42.8	2.5	230	SGP40(1 1/2)	48.6	41.6	3.5	160
A51(2)	50.8	47.6	1.6	365	B54(2)	59.6	54.0	2.8	270	SGP50(2)	60.5	52.9	3.8	220
A63(2 1/2)	63.5	59.5	2.0	420	B70(2 1/2)	75.2	69.6	2.8	450	SGP65(2 1/2)	76.3	67.9	4.2	320
A75(3)	76.2	72.2	2.0	530	B82(3)	87.9	82.3	2.8	500	SGP80(3)	89.1	80.7	4.2	425
					B92(3 1/2)	100.7	93.7	3.5	500	SGP90(3 1/2)	101.6	93.2	4.2	550
					B104(4)	113.4	106.4	3.5	680	SGP100(4)	114.3	105.3	4.5	600

### OK-SERIES Multifunctional busbar processing machine



**OK-401**

Multifunctional busbar processing machine with cutting, punching, and bending of copper and aluminum busbar.

It includes electric hydraulic pump, hydraulic busbar cutting tool, punching tool, busbar and pipe bending tool and dies. With all these tools installed on a portable working bench, this multifunctional machine is widely praised for its efficiency, and convenience.

- ▲ Bending capacity from 1° to 120°
- ▲ With positioning scale for punching, cutting and bending
- ▲ Open working platform enable work piece not oblique after bending
- ▲ Punch holes with burr. Cutting surface smooth and cutting angle accurately. It is good for quick and repeat batch procession
- ▲ Four-way valve control switch accurately guide to the position of punching, cutting and bending

Model	OK-301	OK-401	OK-501
Function	Cutting, punching, horizontal bending	Cutting, punching, horizontal bending, vertical bending	Cutting, punching, horizontal bending, vertical bending, pipe bending
Input Power	220V 50Hz	220V 50Hz	220V 50Hz
Rated Pressure	700bar	700bar	700bar
Cutting Force	25t	25t	25t
Punching Force	31t	31t	31t
Bending Force	25t	25t	25t
Cutting Capacity	Cu/Al: 150mmx12mm	Cu/Al: 150mmx12mm	Cu/Al: 150mmx12mm
Horizontal Bending Capacity	Cu/Al: 150mmx12mm	Cu/Al: 125mmx16mm	Cu/Al: 125mmx16mm
Vertical Bending Capacity	--	Cu/Al: 125mmx12mm	Cu/Al: 125mmx12mm
Pipe Bending Capacity	--	--	3"
Punching Capacity	4-13 mm	4-13 mm	4-13 mm
Standard Punching Dies	Φ10.5, Φ13.5, Φ17.5, Φ20.5mm	Φ10.5, Φ13.5, Φ17.5, Φ20.5mm	Φ10.5, Φ13.5, Φ17.5, Φ20.5mm
Standard Bending Dies	--	Horizontal bending die, Vertical bending die base, 8pcs vertical bending dies (40-80x4, 40-80x5 40-80x6, 40-80x8, 40-80x10, 100x10, 100-125x10, 120-125x12); 6pcs support blocks (4, 5, 6, 8, 10, 12) Remark: OK-501 have extra pipe bending dies 7 pairs (1/2 3/4 1 1 1/2 2 2 1/2 3)	
Work Bench Size	91x60x100cm	91x66x116cm	91x76x116cm
Weight	115kg	153kg	160kg
Optional Accessories	Φ 8.5, 11.5, 15.5, 18.5mm punching dies (pipe bending dies 1-1/4" is optional)		

## EPCB-301 Multifunctional Busbar Processing Machine

- ▲ Three in busbar processor for cutting, punching and bending of copper bus bar and aluminum bus bar
- ▲ It is designed for irregular sized busbar procession on mid and small scaled transformer, switchboard box line or assembling site
- ▲ Punch holes without burr. Cutting surface smooth and cutting angle accurately. It's good for quick and repeat batch procession
- ▲ Four way valve control switch accurately guide to the position of punching, bending and cutting
- ▲ Safe and firm pedal switch could control oil inlet and oil return



Model	EPCB-301
Functions	Cutting, punching, bending
Dimension of Work Table	Approx 690x690x730mm
Voltage Single Phase	220V 50Hz
Rating Oil Pressure	70MPa
Bending Force	170kN/ 200kN
Bending Range	Max 150x10mm/ Max 200x12mm
Cutting Force	200kN/ 300kN
Cutting Range	Max 150x10mm/ Max 200x12mm
Punching Force	300kN/ 350kN
Distance from Hole to Sheet Side	95mm/ 110mm
Punch Range	Φ10.5, 13.8, 17, 20.5mm
Package	Wooden case

## EPCB-401 Multifunctional Busbar Processing Machine

- ▲ Three in busbar processor for cutting, punching and bending of copper bus bar and aluminum bus bar
- ▲ It is designed for irregular sized bus bar procession on mid and small scaled transformer, switchboard box line or assembling site
- ▲ Punch holes without burr. Cutting surface smooth and cutting angle accurately. It's good for quick and repeat batch procession
- ▲ Four way valve control switch accurately guide to the position of punching, bending and cutting
- ▲ Safe and firm pedal switch could control oil inlet and oil return



Model	EPCB-401
Functions	Cutting, punching, bending (horizontal & erective)
Dimension of Work Table	Approx 690x690x730mm
Voltage Single Phase	220V 50Hz
Rating Oil Pressure	70MPa
Bending Force	270kN
Bending Range	Max 125x12.5mm
Cutting Force	200kN/ 300kN
Cutting Range	Max 150x10mm/ 200x12mm
Punching Force	300kN/ 350kN
Distance from Hole to Sheet Side	95mm/ 110mm
Punch Range	3/8"(Φ10.5mm) 1/2"(Φ13.8mm) 5/8"(Φ17mm) 3/4"(Φ20.5mm)
Package	Wooden case

# HYDRAULIC PUMP

Hand ▪ Foot ▪ Battery ▪ Electric ▪ Gasoline ▪ Pneumatic

Our strength can be seen



# ECT-240

## Battery Powered Mini Crimping Tool

3-in-1



### Crimping



#### Crimping dies



UA22  
Dies adapter

+



Cu16-240mm<sup>2</sup>

### Cutting



#### Cutting blade



UCACSR

+



UC40

### Punching



#### Punching head



UA6P



Punching dies

Optional punching head UA6P and dies with specifications of 1/2-2 inches

## Product Introduction

### ▲ 2-in-1 for crimping and cutting

▲ Flip-open head for easy access to the fittings. Head rotates 350°

▲ Automatic pressure relief and automatic reset

▲ High performance, high capacity 18V lithium battery with power display, equipped with fast charger

▲ Built-in intelligent computer chip, OLED display is easy to read information

▲ Two LED working lights help work easier in dark area

▲ PP plastic, molding in one, strong and anti-impact

Crimping Force	6t
Stroke	30mm
Oil Reservoir	50mL
Crimping Capacity	Max Cu240mm <sup>2</sup>
Cutting Range	Max Φ25mm Cu/Al cable, ACSR
Standard Dies	Die adapter, Cu16-240mm <sup>2</sup> Cutting blade: UCACSR, UC40
Net Weight	2.8kg
Gross Weight	9.3kg
Dimensions	44x12x8cm
Packing Size	59x52x14cm

# HP-700A

## Hydraulic Hand-operated Pump

- ▲ It has a safety valve that automatically releases pressure when it reaches the set pressure
- ▲ High and low pressure two-stage oil inlet design, the piston advances quickly
- ▲ Vacuum oil receptacle can work at any angle
- ▲ Longer handle makes labor saving and quick oil output
- ▲ The strong metal structure increases the strength and durability, and will not burn when used in a welding environment



**Pressure Relief Knob**  
Hold pressure clockwise and relieve pressure counterclockwise



**Handle Fixing Hook**  
Easy to store



**High-pressure Hose**  
With quick-swap connectors, easy to use



Reservoir Capacity	0.72L
Rated Pressure	700bar
Oil Delivery at High Pressure	2.26cc/stroke
Oil Delivery at Low Pressure	12.26cc/stroke
Standard Accessories	2m hydraulic hose
Packing	Carton case
Net Weight	9.4kg
Gross Weight	10.1kg
Dimensions	66x13x18cm
Packing Size	74x20x22cm



Standard	
HP-700A	1 pc
2m hydraulic hose	1 pc

# HP-700 Hydraulic Manual Pump

- ▲ Adopts a two-speed design with large flow and high pressure
- ▲ The pressure can be adjusted and set according to the needs, with built-in high and low pressure safety valve, with high safety performance
- ▲ When working, screw the filler cap to the "venting" position, screw to the "locked" position after work
- ▲ The pump body is composed of high-strength and light-weight metal and reinforced engineering plastics, with light weight and high strength



Model	HP-700
Reservoir Capacity	1L
Rated Pressure	700bar
Oil Delivery at High Pressure	2.5cc/stroke
Oil Delivery at Low Pressure	11.5cc/stroke
Standard Accessories	2m hydraulic hose
Packing	Carton case
Net Weight	5.0kg
Packing Size	74x20x22cm

# HP-70 Hydraulic Manual Pump

- ▲ Made of aluminum-titanium alloy, light weight, high strength, corrosion resistance, impact resistance, suitable for various harsh environments
- ▲ Two-speed action, built-in precision high and low pressure free switching valve, provide larger flow at low pressure, save operation time and improve work efficiency



Model	HP-70
Reservoir Capacity	1.6L
Rated Pressure	700bar
Oil Delivery at High Pressure	2.5cc/stroke
Oil Delivery at Low Pressure	32cc/stroke
Standard Accessories	2m hydraulic hose
Packing	Carton case
Net Weight	6.3kg
Packing Size	74x20x22cm

# FHP-700 Hydraulic Foot and Manual Pump

- ▲ Two stage of high and low speed for quick oil output
- ▲ Internal safety valve, auto pressure relief when reaches rated pressure
- ▲ During use, press the Pressure release button to return oil
- ▲ Made of Al alloy, light weight and high strength



Model	FHP-700
Reservoir Capacity	1L
Rated Pressure	700bar
Oil Delivery at High Pressure	2.26cc/stroke
Oil Delivery at Low Pressure	12.26cc/stroke
Standard Accessories	2m hydraulic hose
Packing	Carton case
Net Weight	8.6kg
Packing Size	74x20x22cm

# EBH-700

## Chargeable Battery Pump

### 01 Product Introduction

This rechargeable hydraulic pump is equipped with real-time pressure display, which can monitor the working status of the equipment in real time. It can be equipped with a variety of split hydraulic equipment at will. High-performance lithium battery, long-lasting battery life, more convenient to use in field operations, high-altitude operations and other scenarios.

- ▲ The shell is made of high-strength composite material, which can meet the needs of more complex working conditions
- ▲ Battery powered pump, can be used outdoors or in environments without power supply
- ▲ Equipped with working pressure sensor, real-time pressure display
- ▲ Large capacity and wide range of use

OLED

Real-time pressure display, which can monitor the working status of the equipment in real time



It can be equipped with a variety of split hydraulic equipment at will



High-performance lithium battery, can be used outdoors or in environments without power supply

### 02 Product Specifications



#### Pump Specifications

Rated Pressure	700bar
Oil Output at High Pressure	0.2L/min, 2 batteries; 0.1L/min, 1 battery
Oil Output at Low Pressure	1.3L/min, 2 batteries; 0.65L/min, 1 battery
Tank Capacity	0.7L
Working Noisy	83dB(A)
Weight	7.5kg

#### Battery Specifications

Type	Lithium battery
Battery Voltage	18.0V DC
Output Current	5.0Ah
Charging Time	40min

### 03 Standard List

Hydraulic pump

1 pc



2m hydraulic hose

1 pc



wired remote control



5.0Ah lithium batteries

2 pcs



Fast charger

1 pc



Wireless remote control



## ECT-700 Battery Powered Hydraulic Pump

- ▲ It can be equipped with split nut crusher and press joint pliers, cutter and other single-acting tools
- ▲ Pressure gauge is equipped for easy observation of operation
- ▲ Need less oil, easy to work at height



- ▲ Two stage hydraulic, automatic pressure-release
- ▲ Built-in intelligent computer chip, OLED display is easy to read information
- ▲ With LED light for dark place
- ▲ High-capacity 18V Li-ion battery with power indicator, with fast charger
- ▲ PP plastic, molding in one, strong and anti-impact

Model	ECT-700
Reservoir Capacity	200mL
Rated Pressure	700bar
Voltage Power	DC18V
Standard Accessories	0.6m hydraulic hose
Net Weight	3.6kg
Gross Weight	10.0kg
Dimensions	41x34x8cm
Packing Size	59x52x14cm

## REP-1 Hydraulic Electric Pump

- ▲ Electromagnetic valve control the hydraulic pump
- ▲ Pressure holding function
- ▲ 2m wired remote control oil output and oil return
- ▲ The oil output, stop, oil return and other actions can be controlled at any time to ensure the correct working position
- ▲ Visual hydraulic oil window, Pressure can be retained in case of need (pressure maintaining) Visible oil window shows the hydraulic oil level



Model	REP-1
Reservoir Capacity	5L
Rated Pressure	700bar
Voltage Power	AC220V/750W
Oil Delivery at High Pressure	0.7L/min
Oil Delivery at Low Pressure	6L/min
Standard Accessories	2m hydraulic hose
Net Weight	24.0kg
Packing Size	52x35x50cm

## REP-2 Hydraulic Electric Pump

- ▲ Electromagnetic valve control the hydraulic pump
- ▲ Pressure holding function
- ▲ 2m wired remote control oil output and oil return
- ▲ The oil output, stop, oil return and other actions can be controlled at any time to ensure the correct working position
- ▲ Visual hydraulic oil window, Pressure can be retained in case of need (pressure maintaining) Visible oil window shows the hydraulic oil level



Model	REP-2
Reservoir Capacity	2.4L
Rated Pressure	700bar
Voltage Power	AC220V/340W
Oil Delivery at High Pressure	0.32L/min
Oil Delivery at Low Pressure	2.6L/min
Standard Accessories	2m hydraulic hose
Net Weight	16.5kg
Packing Size	31x25x24cm

## REP-2D Double Action Hydraulic Electric Pump

- ▲ Standard manual reversing
  - ▲ 3m wired remote control, oil output and return are controllable
  - ▲ Equipped with pressure gauge, clearly visible pressure required for crimping or cutting
  - ▲ Visible hydraulic oil window, can see whether the hydraulic oil in the normal range, protect the normal use of the hydraulic pump
  - ▲ High and low pressure dual-speed automatic switching, can easily drive 60T, 100T, 200T single action or double action tools
- \* Hydraulic hose sold separately



Model	REP-2D
Reservoir Capacity	5L
Rated Pressure	700bar
Voltage Power	AC220V/370W
Oil Delivery at High Pressure	0.3L/min
Oil Delivery at Low Pressure	4L/min
Packing	Carton case
Net Weight	20.1kg
Packing Size	45x33x62cm

## REP-2DS Double Action Hydraulic Electric Pump

- ▲ Solenoid valve reversing
  - ▲ 3m wired remote control, oil output and return are controllable
  - ▲ Equipped with pressure gauge, clearly visible pressure required for crimping or cutting
  - ▲ Visible hydraulic oil window, can see whether the hydraulic oil in the normal range, protect the normal use of the hydraulic pump
  - ▲ High and low pressure dual-speed automatic switching, can easily drive 60T, 100T, 200T single action or double action tools
- \* Hydraulic hose sold separately



Model	REP-2DS
Reservoir Capacity	5L
Rated Pressure	700bar
Voltage Power	AC220V/370W
Oil Delivery at High Pressure	0.3L/min
Oil Delivery at Low Pressure	4L/min
Packing	Carton case
Net Weight	20.0kg
Packing Size	45x33x62cm

## REP-2DSP Double Action Hydraulic Electric Pump

- ▲ Solenoid valve reversing, high power, fast speed
  - ▲ 3m wired remote control, oil output and return are controllable
  - ▲ Equipped with pressure gauge, clearly visible pressure required for crimping or cutting
  - ▲ Visible hydraulic oil window, can see whether the hydraulic oil in the normal range, protect the normal use of the hydraulic pump
  - ▲ High and low pressure dual-speed automatic switching, can easily drive 60T, 100T, 200T single action or double action tools
- \* Hydraulic hose sold separately



Model	REP-2DSP
Reservoir Capacity	6L
Rated Pressure	700bar
Voltage Power	AC220V/750W
Oil Delivery at High Pressure	0.6L/min
Oil Delivery at Low Pressure	8L/min
Packing	Carton case
Net Weight	25.5kg
Packing Size	51x38x62cm

# HPG-700

## Double Action Gasoline Engine Pump

- ▲ Dual-circuit manual control, with internal crimping return pressure protection system
- ▲ Large oil capacity, suitable for large capacity crimping tools and long time operation without engine overheating
- ▲ High and low double-speed automatic switch, well fit for single and double action tools such as 60t, 100t, 200t and 300t
- ▲ Rated working pressure: 70Mpa  
Max working pressure: 85Mpa
- ▲ Retract pressure protection system & overflow protection valve, safe and reliable
- ▲ Low noise, environment friendly
- ▲ Equipped with pressure gauge for pressure reading



HPG-700 + PCS-100

# HPG-700MX

## Double Action Gasoline Engine Pump



- ▲ **Wired remote control**
- ▲ Large oil capacity, suitable for large capacity crimping tools and longtime operation without engine overheating
- ▲ High and low double-speed automatic switch, well fit for single and double action tools such as 60t, 100t, 200t and 300t
- ▲ Retract pressure protection system & overflow protection valve, safe and reliable
- ▲ Low noise, environment friendly
- ▲ Equipped with pressure gauge for pressure reading

# HPG-700WX

## Double Action Gasoline Engine Pump



- ▲ **Wireless remote control**
- ▲ Large oil capacity, suitable for large capacity crimping tools and longtime operation without engine overheating
- ▲ High and low double-speed automatic switch, well fit for single and double action tools such as 60t, 100t, 200t and 300t
- ▲ Retract pressure protection system & overflow protection valve, safe and reliable
- ▲ Low noise, environment friendly
- ▲ Equipped with pressure gauge for pressure reading

Model	HPG-700MX
Reservoir Capacity	10L
Rated Pressure	700bar
Engine Speed	3600rpm
Oil Delivery at High Pressure	1.2L/min
Oil Delivery at Low Pressure	7.5L/min
Packing	Carton/ wooden case
Net Weight	57.6kg
Packing Size	70x46x70cm

Model	HPG-700WX
Reservoir Capacity	10L
Rated Pressure	700bar
Engine Speed	3600rpm
Oil Delivery at High Pressure	1.2L/min
Oil Delivery at Low Pressure	7.5L/min
Packing	Carton/ wooden case
Net Weight	52.5kg
Packing Size	70x46x70cm

# ESG-700MX Electric Pump

Motor power 2.2kW, input voltage 220V, frequency 50Hz, protection level IP55



Model	ESG-700MX
Reservoir Capacity	10L
Rated Pressure	700bar
Engine Speed	2810rpm
Oil Delivery at High Pressure	1.2L/min
Oil Delivery at Low Pressure	7.5L/min
Packing	Carton/ wooden case
Net Weight	58.0kg(oil not included)
Dimensions	65x37x50cm

# PG-2 Pneumatic Hydraulic Pump



- ▲ Excellent pressure holding performance
- ▲ Suitable for non-sparking work environment
- ▲ Built-in silencer significantly reduces noise and reduces personnel fatigue
- ▲ Air and oil filters reduce pollutant damage to the pump
- ▲ Aluminum alloy body and outer casing, durable and light
- ▲ Built-in relief valve prevents overload operation

Model	PG-2
Reservoir Capacity	1.6L
Rated Pressure	700bar
Oil Delivery at High Pressure	0.12L/min
Oil Delivery at Low Pressure	0.8L/min
Packing	Carton/ wooden case
Gross Weight	8.1kg
Packing Size	31x17x 20cm



HPG-700 + PCS-200

Reservoir Capacity	10L
Rated Pressure	700bar
Engine Speed	3600rpm
Oil Delivery at High Pressure	1.2L/min
Oil Delivery at Low Pressure	7.5L/min
Packing	Carton/wooden case
Net Weight	50kg(oil not included)
Packing Size	70x46x70cm

# ANGLE STEEL SERIES

Nut Splitter - Angle Steel Cutting Tool

Our strength can be seen



## ECT-MM36 Battery Powered Nut Splitter

- ▲ Equipped with a tilting head to break most densely packed standard nuts
- ▲ Hex jaw and C-jaw configurations for different working conditions
- ▲ Quick and easy operation with replaceable cutter heads

- ▲ Two-stage hydraulic system with automatic pressure release
- ▲ External LCD screen for convenient usage count tracking
- ▲ Integrated LED work light for enhanced operation convenience
- ▲ High-performance 18V lithium battery with capacity indicator (100-120 cycles average), includes rapid charger
- ▲ Eco-friendly engineering PP plastic casing and toolbox, pressure-resistant and drop-resistant through one-piece molding



Model	ECT-MM36
Nutting Force	10t
Destruction Ability	Long blade: M8-M14 nut, Medium blade: M14-M20 nut, Short blade: M18-M24 nut
Standard Blades	Medium and short blade, blade holder
Net Weight	5.8kg
Gross Weight	12.2kg
Dimensions	41x25x8cm
Packing Size	29x52x14cm

### Important Notes:

1. Designed for standard material nuts only
2. Not suitable for stainless steel nuts
3. Avoid cutting into spring washers to prevent blade damage
4. Maximum nut grade capacity: 8.8

## HC-MM36 Manual Nut Splitter

- ▲ Equipped with a tilting head to break most densely packed standard nuts
- ▲ Hex jaw and C-jaw configurations for different working conditions
- ▲ Quick and easy operation with replaceable cutter heads



Model	HC-MM36
Nutting Force	10t
Destruction Ability	Long blade: M8-M14 nut, Medium blade: M14-M20 nut, Short blade: M18-M24 nut
Standard Blades	Medium and short blade, blade holder
Net Weight	5.6kg
Gross Weight	8.2kg
Dimensions	54x18x8cm
Packing Size	68x30x12cm

### Important Notes:

1. Designed for standard material nuts only
2. Not suitable for stainless steel nuts
3. Avoid cutting into spring washers to prevent blade damage
4. Maximum nut grade capacity: 8.8

## HSC-MM36 Hydraulic Nut Splitter

- ▲ Hex jaw and C-jaw configurations for different working conditions
- ▲ Quick and easy operation with replaceable cutter heads



Model	HSC-MM36
Nutting Force	12t
Destruction Ability	Long blade: M8-M14 nut, Medium blade: M14-M20 nut, Short blade: M18-M24 nut
Standard Dies	Medium and short blade, blade holder
Packing	Canvas bag
Gross Weight	8.2kg
Packing Size	68x30x12cm

**Important Notes:**

1. Designed for standard material nuts only
2. Not suitable for stainless steel nuts
3. Avoid cutting into spring washers to prevent blade damage
4. Maximum nut grade capacity: 8.8

## HSC Series Hydraulic Nut Splitter

- ▲ Nut splitters are highly effective tools for removing rusted or seized nuts
- ▲ Angled head design ensures direct access to workpieces
- ▲ Single-stroke spring-return cylinder for efficient operation
- ▲ Applications: Service trucks, pipelines, gasification projects, steelworks, and mining
- ▲ All models feature reinforced one-piece blade holders integrated with heavy-duty cylinders
- ▲ Split nuts effortlessly: Insert blade from one side, rotate tool ½ turn, and complete the split for easy removal
- ▲ Compact design with quick-connect fittings for portability and simple disassembly



Model	HSC-1319	HSC-1924	HSC-2432	HSC-3241	HSC-3241A	HSC-4150
Nut Range	M6-M12	M12-M16	M16-M22	M22-M27	M22-M27	M27-M33
Hex Nut Range	10-19mm	19-24mm	24-32mm	32-41mm	32-41mm	41-50mm
Output Force	5t	9t	9t	15t	15t	25t
Net Weight	1.7kg	1.7kg	2.5kg	3.4kg	3.8kg	4.5kg
Gross Weight	2.4kg	2.3kg	3.3kg	5.9kg	6.2kg	7.7kg
Dimension	24x5x5cm	26x5x8cm	28x6x8cm	32x9x8cm	32x8x8cm	35x9x9cm
Packing Size	41x13x18cm	41x13x18cm	41x13x18cm	41x13x18cm	41x13x18cm	41x13x18cm

**Important Notes:**

1. Designed for standard material nuts only
2. Not suitable for stainless steel nuts
3. Avoid cutting into spring washers to prevent blade damage
4. Maximum nut grade capacity: 8.8

## KSC417 KSC824 KSC1936 Mechanical Nut Splitter

- ▲ Simple operation: Compatible with standard wrenches for immediate use
- ▲ Compact design for tight spaces; optional ratchet wrench accelerates splitting efficiency
- ▲ Splits nuts up to Grade 8.8 hardness



Model	HSC417	HSC824	HSC1936
Hex Nut Range	4-17mm	8-24mm	19-36mm
Wrench Size	17	24	27
Net Weight	0.3kg	0.3kg	0.6kg
Dimensions	11x4x2cm	13x5x3cm	15x7x3cm

## SAC-75 Hydraulic Angle Steel Cutting Tool



- ▲ Specialized in cutting angle steel for high-voltage transmission towers, bridges, and structural applications
- ▲ High-speed cutting with low noise, clean cuts, and spark-free operation to eliminate fire hazards
- ▲ Portable design with quick-connect fittings for easy disassembly and field deployment
- ▲ Compatible with single-acting hydraulic pumps

Model	SAC-75
Cutting Force	23t
Rated Pressure	700bar
Cutting Capacity	75x75x8mm
Packing	Steel case
Net Weight	19.7kg
Gross Weight	24.5kg
Dimensions	26x17x30cm
Packing Size	31x20x32cm

## SAC-110 Hydraulic Angle Steel Cutting Tool



- ▲ Specialized in cutting angle steel for high-voltage transmission towers, bridges, and structural applications
- ▲ High-speed cutting with low noise, clean cuts, and spark-free operation to eliminate fire hazards
- ▲ Portable design with quick-connect fittings for easy disassembly and field deployment
- ▲ Compatible with single-acting hydraulic pumps

Model	SAC-75
Cutting Force	45t
Rated Pressure	700bar
Cutting Capacity	110x110x10mm
Packing	Steel case
Net Weight	41.0kg
Gross Weight	46.3kg
Dimensions	32x20x34cm
Packing Size	38x28x46cm

# RAILWAY TOOLS

Crimping ▪ Cutting ▪ Straightening ▪ Bending

Our strength can be seen

## ECT-60DX Battery Hanging String Crimping Tool

- ▲ Super quick, light, durable
- ▲ Flip top style for easy access to the fittings, crimping head rotates 360°
- ▲ Two stage hydraulics, automatic pressure relief
- ▲ External reset button, can adjust crimping position in any time
- ▲ High-capacity 18V Li-ion battery with power indicator, with fast charger
- ▲ LED lights for dark place
- ▲ Built-in intelligent computer chip, OLED display is easy to read information



Note: subway hanging string need to be customized

Model	ECT-60DX
Output Force	6t
Stroke	17mm
Rated Pressure	700bar
Net Weight	4.1kg
Dimensions	35x36x8cm
Packing Size	59x52x14cm

## HCT-60DX Manual String Crimping Tool



Note: subway hanging string need to be customized

Model	HCT-60DX
Output Force	6t
Stroke	17mm
Rated Pressure	700bar
Net Weight	3.8kg
Dimensions	50x17x7cm
Packing Size	60x30x12cm

## PCS-25DL Electric Connection Crimping Head



- ▲ The new type of catenary electrical connection clamp uses a special hydraulic machine with a pressure of 700bar for crimping and cutting. The strong pressure can ensure a better crimping effect of the electrical connection die.
- ▲ It is suitable for crimping high speed network connecting clamp, compressive stress clamp, and central anchor
- ▲ Pin-type crimping head, help to fix dies and easy to take out crimping sleeve
- ▲ Light weight suitable for overhead line operation, the main part weighs only 5.5kg
- ▲ Used together with 700bar single acting pump

### Standard parts:

- ▲ Electric connection crimping dies 2pcs (BT DB120, BT DB150)
- ▲ Electric connection forcible dies 1pcs (BT DB2L)
- ▲ Carrier cable crimping dies 1pcs (BT DB3)
- ▲ Carrier cable forcible dies 1pcs (BT DB3L)
- ▲ Central anchor crimping dies 1pcs (BT C22)



## ECT-4 Battery Contact Wire Cutter

- ▲ Just need to change cutting dies, smooth cutting surface and without deformation
- ▲ Easy operation and quick cutting speed



- ▲ Two stage hydraulics, automatic pressure relief
- ▲ High-capacity 18V Li-ion battery with power indicator, with fast charger
- ▲ LED lights for dark place
- ▲ Built-in intelligent computer chip, OLED display is easy to read information

Model	ECT-4
Output Force	6t
Stroke	17mm
Rated Pressure	700bar
Net Weight	5.5kg
Gross Weight	14.5kg
Packing Size	59x52x14cm

## ECT-4M Battery Contact Wire Cutter

- ▲ Just need to change cutting dies, smooth cutting surface and without deformation
- ▲ Easy operation and quick cutting speed



- ▲ Automatic pressure relief
- ▲ High-capacity 18V Li-ion battery with power indicator, with fast charger
- ▲ LED lights for dark place
- ▲ Built-in intelligent computer chip, OLED display is easy to read information

Model	ECT-4M
Max Work Pressure	700bar
Trolley Cable	85, 110, 120, 150mm <sup>2</sup>
Carrier Cable	35, 50, 70, 95, 120, 150mm <sup>2</sup>
Net Weight	4.0kg
Packing Size	59x52x14cm

## HCT-4 Manual Contact Wire Cutter

- ▲ Just need to change cutting dies, smooth cutting surface and without deformation
- ▲ Easy operation and quick cutting speed



Model	HCT-4
Max Work Pressure	700bar
Trolley Cable	85, 110, 120, 150mm <sup>2</sup>
Carrier Cable	35, 50, 70, 95, 120, 150mm <sup>2</sup>
Net Weight	4.5kg
Packing Size	59x52x14cm

## EXZ-150 Battery Contact Wire Straightening Tool

- ▲ It is used to straighten hard points deformation caused from installation or maintenance of contact wires, use wire grip or other devices to tighten the wire
- ▲ The scope of application is 85-150mm<sup>2</sup> silver copper wire or magnesium copper wire copper alloy contact wire
- ▲ The slide-in crimping head has a positioning function to quickly and accurately put the contact wire on, and prevent the crimping head slipping out. Press the fixing device to push out when disassembling. Head can be rotated 180°



- ▲ Two stage hydraulics, automatic pressure relief
- ▲ High-capacity 18V Li-ion battery with power indicator, with fast charger
- ▲ LED lights for dark place
- ▲ Built-in intelligent computer chip, OLED display is easy to read information

Model	EXZ-150
Output Force	10t
Rated Pressure	700bar
Straightening Range	85-150mm <sup>2</sup>
Net Weight	6.5kg
Packing Size	59x52x14cm

## PXZ-150 Contact Wire Straightening Head

- ▲ It is used to straighten hard points deformation caused from installation or maintenance of contact wires, use wire grip or other devices to tighten the wire
- ▲ The scope of application is 85-150mm<sup>2</sup> silver copper wire or magnesium copper wire copper alloy contact wire



- ▲ Split design, can be used with single pump
- ▲ Compact and lightweight
- ▲ Straightening of all specification contact wires without changing the die

Model	PXZ-150
Output Force	5t
Rated Pressure	700bar
Straightening Range	85-150mm <sup>2</sup>
Packing	Canvas bag
Net Weight	4.0kg

## PCS-25XZ Contact Wire Straightening Tool



- ▲ The daily construction and maintenance of contact wire, parts of the wire often have irreversible curves, which usually sawed off, which will be a waste of material and time. High speed railway is strict with repair and maintenance, uneven wire will affect vehicles passing, and this product is helpful to straighten these curves
- ▲ Models of straightening dies: 85, 110, 120, 150mm<sup>2</sup>

### Standard accessories:

- ▲ Hard spot contact
- ▲ Wire die( BGW85 BGW110 BGW120 BGW150)

## EZ45A2T Battery Contact Wire Cutter

- ▲ Mainly used for cutting contact wire with smooth cutting surface
- ▲ Diameter of trolley cable can be adjusted
- ▲ No need to change die: no need to change die while using and suitable for every kind of trolley cable
- ▲ Rechargeable battery: one time charge can be used to cut 100 times
- ▲ Quick cutting speed, smooth cutting surface, improve work efficiency
- ▲ Imported main part, light weight and easy operation
- ▲ Use 14.4V/4.2Ah Li-ion battery, large capacity and fast cutting speed
- ▲ Lighting work lights come along with the front of cutting blade



Model	EZ45A2T
Applicable for Wire	85, 110, 120, 150mm <sup>2</sup>
Speed of Rotation	3400rpm
Saw Blade Diameter	135mm
Weight	2.4kg

## TCS-5 Contact Wire Straightening Tool

- ▲ Designed to straighten trolley cable, with steel rolls and copper rolls for choice. Scope of application: 85, 110, 120, 150mm<sup>2</sup>
- ▲ Widely used in subway, city and high speed railway flexible wire suspension, it has copper and iron straightening wheels
- ▲ Applicable for straightening trolley cables with tension force between 10kN and 20kN; maximum alignment curvature of 30°
- ▲ Without causing hard points after calibration and no damage to conductors, ensure smooth surface of cables
- ▲ Hand-operated (no use of electricity or other power), small-sized, light weight (only 6.5kg) and easy to carry, safe and simple operation



## BW-12 Steel Bar Bending Tool

- ▲ Railway construction tool, used for steel bar and ground wire bending
- ▲ Used for bending trolley cable with any angle, no damage and twist for wire
- ▲ Easy operation
- ▲ Max bending diameter 12mm



## BT-GW Contact Wire Gripper

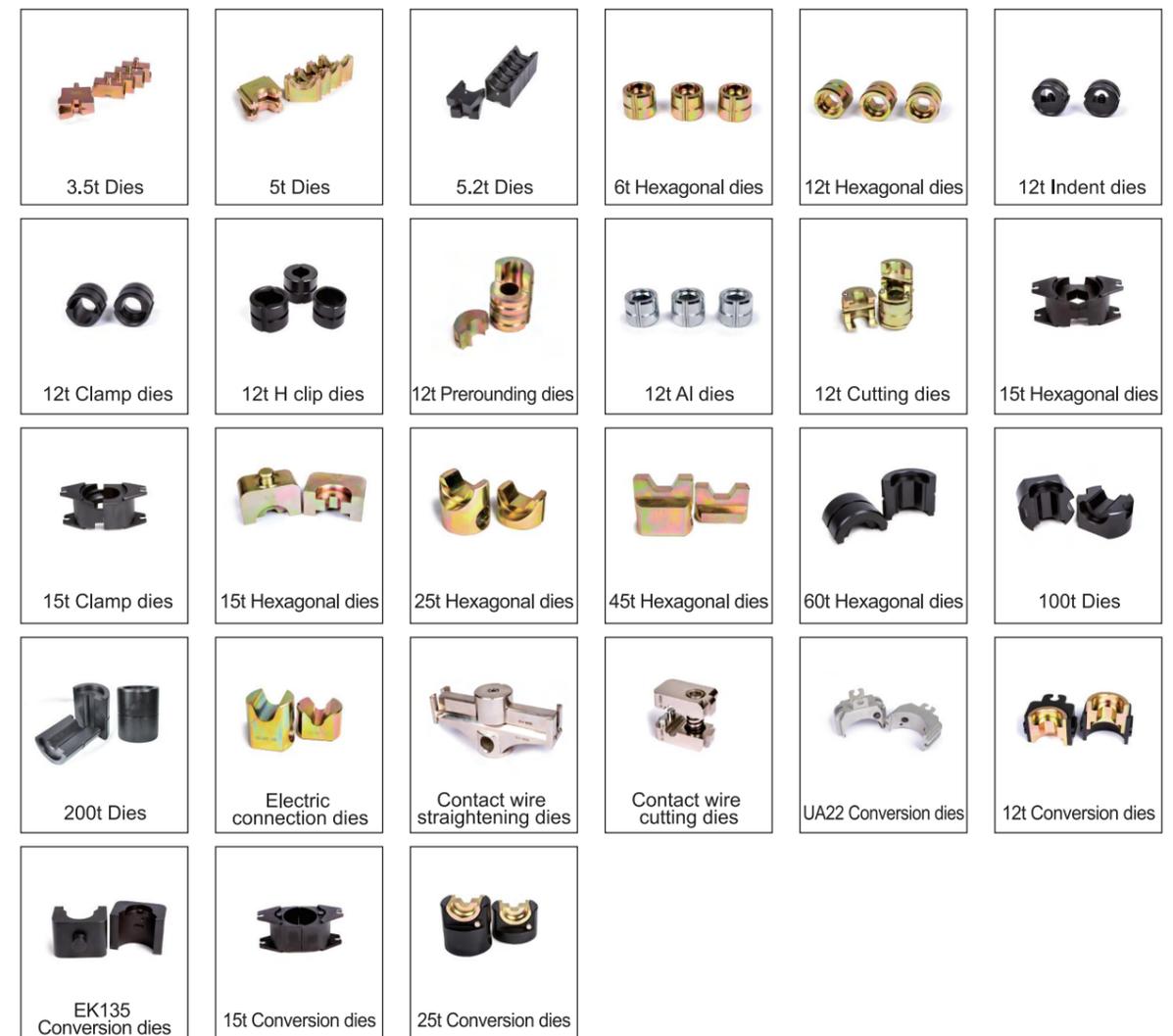
- ▲ This is for application during the installation of connecting joints, without surface distortion and rotation; make the connecting joints in alignment in plane geometry, in order to form a stable working space. Shorten operation time to 3mins, compared with 25mins long operation time by general tools. Weight only 8.6kg
- ▲ Connecting joints will distort after unfolding, causing wire surface distort and leading to suspension clamp distort, thus, it may bent, causing the twister adjust the titled line to ensure that the clamps are not bent



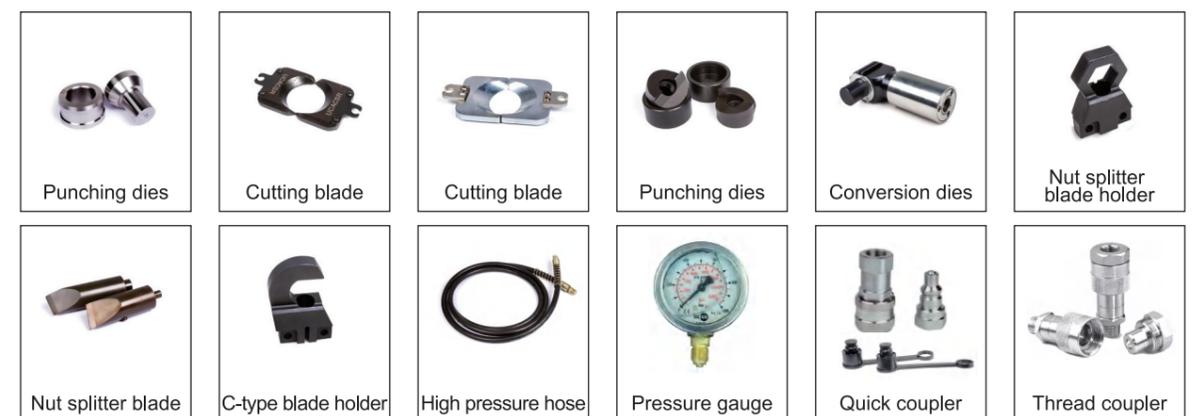
Optional accessories (twister use with BT-GW wire gripper):



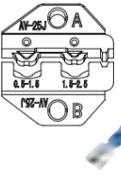
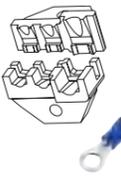
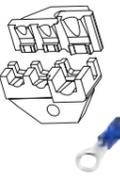
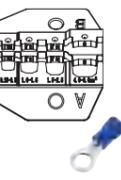
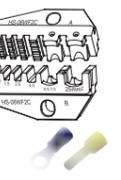
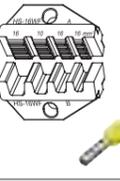
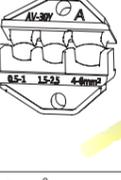
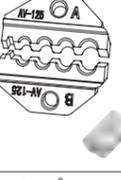
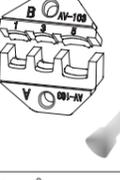
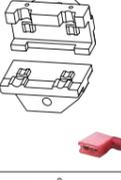
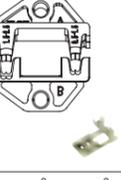
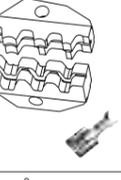
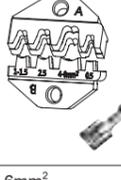
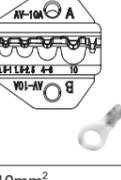
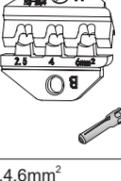
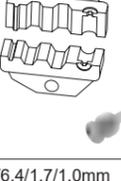
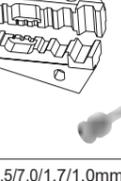
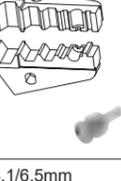
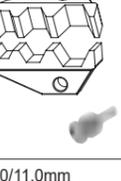
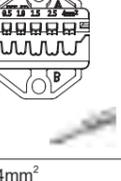
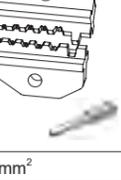
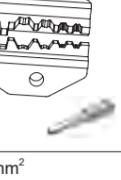
## Hydraulic crimping dies series (customization available)



## Accessories

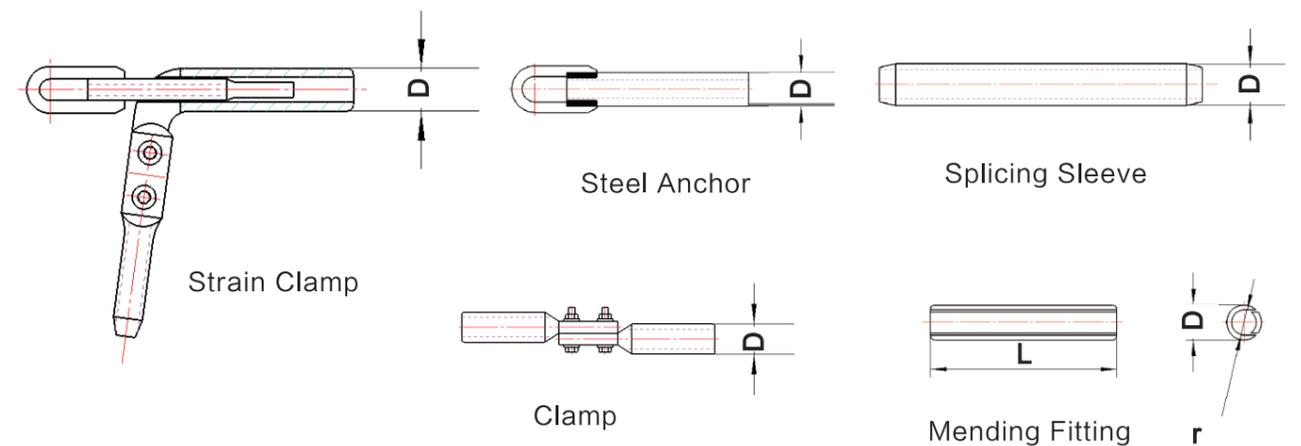


**Optional dies for ECT-1510**

						
0.5-2.5mm <sup>2</sup>	0.5-6mm <sup>2</sup>	1.0-6mm <sup>2</sup>	0.25-6mm <sup>2</sup>	0.5-6mm <sup>2</sup>	0.5-6mm <sup>2</sup>	0.5-2.5mm <sup>2</sup>
						
0.25-10mm <sup>2</sup>	0.5-4mm <sup>2</sup>	4-16mm <sup>2</sup>	6-25mm <sup>2</sup>	10-35mm <sup>2</sup>	6, 10, 16mm <sup>2</sup>	2x0.5-6mm <sup>2</sup>
						
0.5-6mm <sup>2</sup>	6, 8, 10mm <sup>2</sup>	0.5-6mm <sup>2</sup>	1.25-2.5mm <sup>2</sup>	1.5-6.0mm <sup>2</sup>	4.8-6.3mm <sup>2</sup> /4.8mm <sup>2</sup>	1.5-6mm <sup>2</sup>
						
0.5-6mm <sup>2</sup>	0.5-10mm <sup>2</sup>	1.5-6mm <sup>2</sup>	0.5-10mm <sup>2</sup>	1.5-10mm <sup>2</sup>	5.5-16mm <sup>2</sup>	
						
2.5, 4, 6mm <sup>2</sup>	8.0/6.4/1.7/1.0mm	6.5/5.4/1.7mm	4.5/6.5/7.0/1.7/1.0mm	8.8/8.1/6.5mm	5.4/8.0/11.0mm	0.14-4mm <sup>2</sup>
						
5A, 50A	5A, 40A	3A, 5A, 10A	20A, 30A	2/2.2/2.4mm <sup>2</sup>	0.5-4mm <sup>2</sup>	4-10mm <sup>2</sup>

**Comparison Table of 25T-200T Crimping Dies**

Clamp			Strain clamp								
Model	Outer dia.	Al die	Model	Outer dia.	Al die	Model	Al die	Steel core	Model	Al die	Steel core
LGJ-35/6	8.16	L16	LGJ-400/20	26.91	L45	LGJ-50/8	L26	G12	LGJ-300/15	L40	G14
LGJ-50/8	9.60	L18	LGJ-400/25	26.64		LGJ-50/30	L30	G14	LGJ-300/20		G14
LGJ-70/10	11.40	L22	LGJ-400/35	26.82		LGJ-70/10	L26	G12	LGJ-300/25		G14
LGJ-95/15	13.61	L26	LGJ-400/50	27.63		LGJ-70/40	L32	G18	LGJ-300/40		G16
LGJ-120/7	14.50		LGJ-400/65	28.00	LGJ-90/15	L26	G14	LGJ-300/50	G18		
LGJ-120/20	15.07	L30	LGJ-500/35	30.00	LGJ-95/20		L30	G14	LGJ-300/70	L42	G22
LGJ-150/8	16.00		LGJ-500/45	30.00	LGJ-95/55	L34		G20	LGJ-400/20	L45	G14
LGJ-150/20	16.67	L32	LGJ-500/65	30.96	LGJ-120/7	L36	G12	LGJ-400/25	G14		
LGJ-185/10	18.00		LGJ-630/45	33.60	LGJ-120/20		L30	G14	LGJ-400/35	G16	
LGJ-185/25	18.90	L34	LGJ-630/55	34.32	LGJ-120/25	L36		G14	LGJ-400/50	G20	
LGJ-185/30	18.88		LGJ-800/55	38.40	LGJ-120/70		L30	G22	LGJ-400/65	L48	G22
LGJ-210/10	19.00	L36	LGJ-800/70	38.58	LGJ-150/8	L40		G12	LGJ-400/95	L52	G26
LGJ-210/25	19.98		LGJ-800/100	38.98	LGJ-150/20		L32	G14	LGJ-500/35		G16
LGJ-240/30	21.60	L40			LGJ-150/25	L36		G14	LGJ-500/45	L60	G18
LGJ-240/40	21.66		LGJ-150/35		LGJ-150/35		L36	G16	LGJ-500/65		G22
LGJ-300/15	23.01	L45			LGJ-185/25	L40		G14	LGJ-630/45	L60	G18
LGJ-300/20	23.43		LGJ-185/30		LGJ-185/30		L45	G16	LGJ-630/55		G20
LGJ-300/25	23.76	L52			LGJ-185/45	L52		G18	LGJ-630/80	L65	G24
LGJ-300/40	23.94		LGJ-240/30		LGJ-240/30		L60	G16	LGJ-800/55		G20
		L60			LGJ-240/40	L65		G16	LGJ-800/70	L70	G22
			LGJ-240/55		LGJ-240/55		L70	G20	LGJ-800/100		G26



**Choose the right dies according to outer diameter of target crimping material**

**Dies Selection Method:**  
Selection principle as outer diameter of crimping target equals to the vertex distance of dies.  
Specification sheet only for reference, and exact size is subject to real measurement.  
Customized dies can be made according to customers' requirements.

- Dies:**  
G---Steel dies  
L---Al dies  
T/Cu---Cu dies  
LGJ---Clamp dies

**Conversion Table for Volume and Capacity**

m <sup>3</sup>	l	cm <sup>3</sup>	UK gal	US gal	yd <sup>3</sup>	ft <sup>3</sup>	in <sup>3</sup>
1	1000	1000000	220	264.2	1.308	35.315	61024
0.001	1	1000	0.22	0.2642	0.0013	0.0353	61.02
	0.001	1					0.061
0.0045	4.546	4546.1	1	1.201	0.006	0.1605	277.42
0.0038	3.7854	3785.4	0.8327	1	0.00495	0.1337	231
0.7646	764.6	764555	168	202	1	0.27	46658
0.0283	28.317	28317	6.2288	7.4805	0.37	1	1728
	0.0164	16.3871				5.787x10 <sup>-4</sup>	1

**Conversion Table for Length**

Metric Unit			English Unit		
mm	cm	m	in	ft	yd
1	0.1	0.001	0.03937	0.003281	0.0011
10	1	0.01	0.3937	0.3281	0.011
1000	100	1	39.3701	3.2808	1.0936
25.4	2.54	0.0254	1	0.0833	0.0278
30408	30.48	0.3048	12	1	0.3333
914.4	91.4402	0.9144	36	3	1

**Suggested Max. Torsion for Bolt and Nut**

Bolt	Nut	Torsion	Bolt	Nut	Torsion
M8	14	18	M33	50	580
M10	17	30	M36	55	800
M12	19	40	M39	60	940
M14	22	55	M42	65	1260
M16	24	80	M45	70	1400
M18	27	110	M48	75	1780
M20	30	140	M52	80	2200
M22	32	180	M56	85	2800
M24	36	250	M60	90	3200
M27	41	350	M64	95	4000
M30	46	470			

**Conversion Table for Mass**

t	kg	g	tn	shtn	lg	oz
1	1000		0.9842	1.1023	2204.6	
0.001	1	1000			2.2046	35.274
	0.001	1				0.0353
1.0161	1016.05		1	1.12	2240	
0.9072	907.19		0.8929	1	2000	
	0.4536	453.59			1	16
	0.0247	28.35			0.0625	1

**Size of Outer Diameter for 10kV Armored Cable**

	mm		mm
3x400	Φ95.8	3x95	Φ64.5
3x300	Φ89.6	3x70	Φ60.7
3x240	Φ82.2	3x50	Φ56.8
3x185	Φ75.7	3x35	Φ53.8
3x150	Φ72.0	3x25	Φ51.5
3x120	Φ68.2		

**Force Conversion Table**

dn	N	kgf	ibf
1	10x10 <sup>5</sup>	1.02x10 <sup>6</sup>	2.248x10 <sup>-6</sup>
10x10 <sup>5</sup>	1	0.10197	0.22485
9.81x10 <sup>5</sup>	9.85066	1	2.2046
4.448x10 <sup>5</sup>	4.4483	0.4536	1

**Power Conversion Table**

W	kW	Hp	Ps
1	0.001	0.00134	0.00136
1000	1	1.3405	1.3596
745.7	0.746	1	1.0143
735.5	0.7355	0.9858	1

**Conversion Table for Pressure and Intensity of Pressure**

Pa=N/m <sup>2</sup>	kgf/mm <sup>2</sup>	kgf/cm <sup>2</sup>	atm
1	1.02x10 <sup>-7</sup>	1.02x10 <sup>-5</sup>	0.99x10 <sup>-5</sup>
98.07x10 <sup>5</sup>	1	100	96.78
98067	0.01	1	0.9678
9.807	10 <sup>-8</sup>	0.001	0.9678x10 <sup>-4</sup>
101325	10 <sup>-10</sup>	1.033	1
133.32	1.36x10 <sup>-5</sup>	0.00136	0.00132

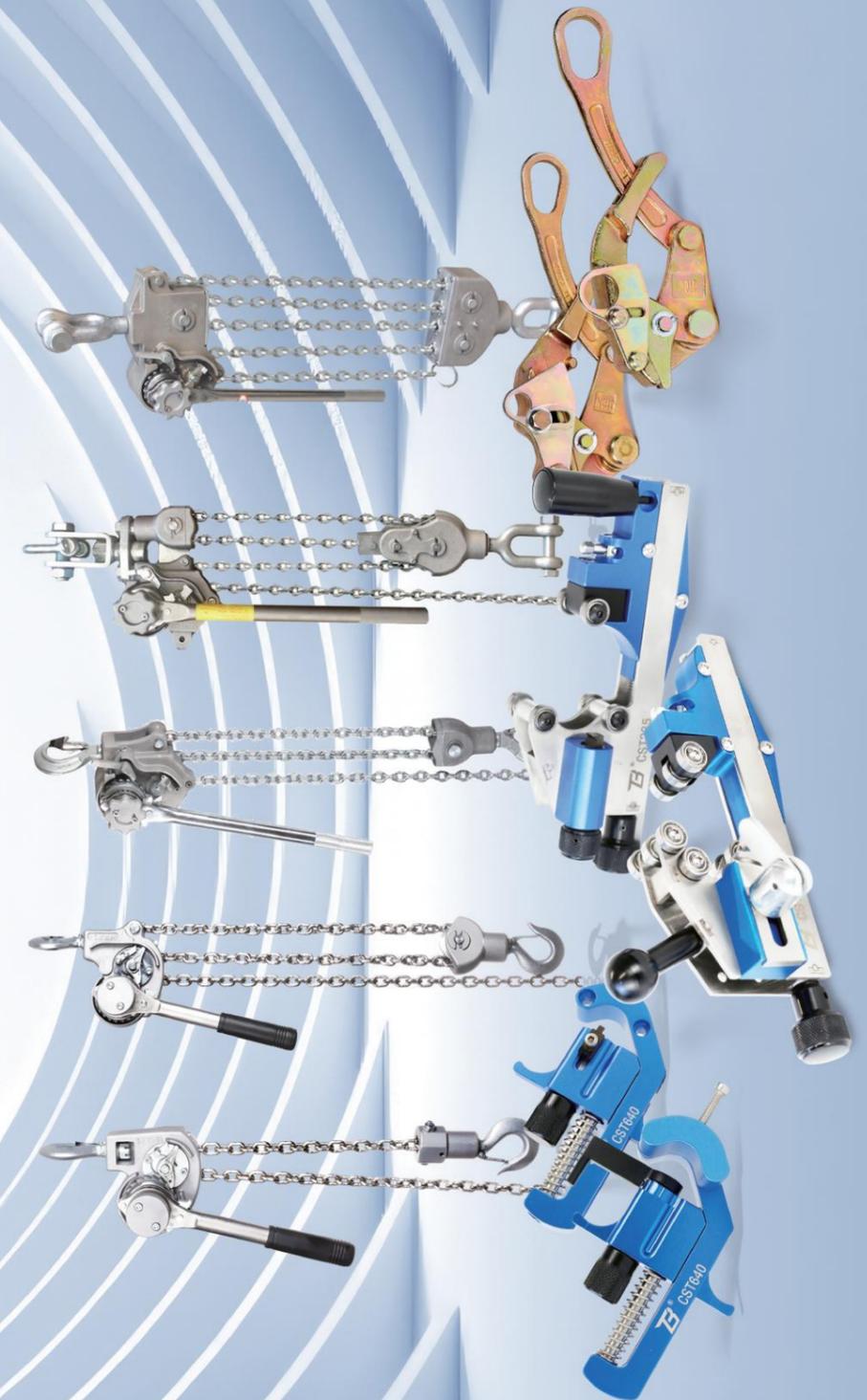
1bar=105Pa=1.0197kg/cm<sup>2</sup>=14.50psi  
1kg/cm<sup>2</sup>=14.22ib/in<sup>2</sup>(psi)

1bt/ft<sup>2</sup>=47.88Pa  
1bt/ft<sup>2</sup>=6894.8Pa=0.07031kg/cm<sup>2</sup>=0.06895bar

**CABLE LAYING**

Cable stripping ▪ Clamping ▪ Hosting ▪ Pulling

**Our strength can be seen**



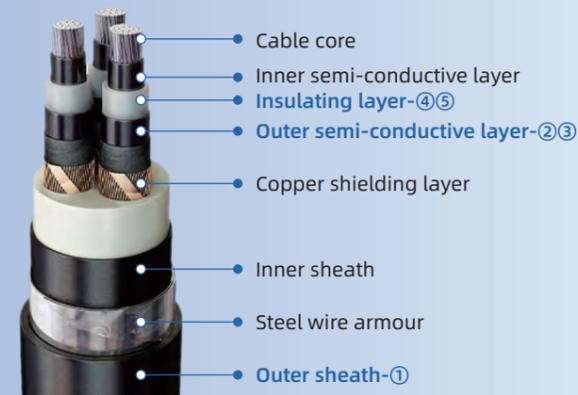
# FL-135

## 10-35kV Cable Preparation Set

- ① CST622: jacket stripper, suitable for cable diameter:  $\geq 25$  mm, cutting thickness: 5mm
- ② CST640: strippable semi-con stripper, suitable for cable diameter: 20-41mm
- ③ CST235: non-strippable semi-con stripper, suitable for cable diameter: 30-54mm, cutting depth: 0-1.5mm
- ④ CST531: main insulation stripper, suitable for cable diameter: 15-54mm
- ⑤ CST240: insulation chamfer tool, rotation size: max 200mm, applied to XLPE 15-60mm
- ⑥ Hook type electric knife, material: steel 420, total length: 195mm, blade length: 60mm
- ⑦ Flat nose pliers for strippable semi-con
- ⑧ High class anti-cutting gloves
- ⑨ Portable toolbox



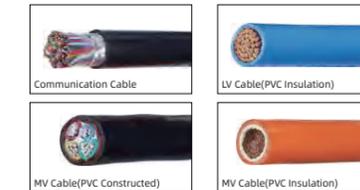
\* Gross weight: 7.8kg  
\* Package size: 56x43x13.5cm



## CST622

### Cable Jacket Stripper<sup>①</sup>

- ▲ Application: strip jacket of 3-core cable
- ▲ Applicable cable Dia.:  $\geq 25$ mm
- ▲ Cutting thickness: 5mm



## CST640

### Strippable Semi-con Stripper<sup>②</sup>

- ▲ Application: to strip 10kV strippable semi-conductor
- ▲ Adjustable cutting depth, max 2mm, adjustable range of rotary knob is 0-0.9mm, each adjustable depth is 0.1mm
- ▲ The blade can adjust its depth in advance at any time
- ▲ Applicable cable Dia.: 20-41mm
- ▲ Minimum hardness of blade: 52 HRC
- ▲ Replaceable blade



## CST235

### Non-strippable Semi-con Stripper<sup>③</sup>

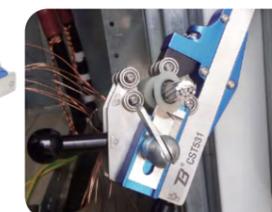
- ▲ Applied to 35kV non-strippable semi-conductor
- ▲ With Chamfer on blade, leaving chamfer on semi-conductor
- ▲ One-way stripping
- ▲ Replaceable blade
- ▲ Stripping depth: 0-1.5mm
- ▲ Applicable cable diameter 30-54mm
- ▲ Can be fixed tightly on cable
- ▲ Weight: 0.6kg



## CST531

### Main Insulation Stripper<sup>④</sup>

- ▲ Applied to strip main insulation of 10kV, 20kV, 35kV
- ▲ Slice & rotary cutting function, blade angle adjustable
- ▲ Replaceable blade
- ▲ Stripping depth: 0-15mm adjustable
- ▲ Applicable cable diameter 15-54mm
- ▲ Stripping Dia.: max rotary dia. 220mm
- ▲ Weight: 0.7kg



## CST240

### 35kV Insulation Chamfer Tool<sup>⑤</sup>

- ▲ Max size of rotation: 200 mm
- ▲ Applied to XLPE cable diameter  $\Phi 15-60$ mm insulation chamfer under 35kV
- ▲ Chamfer size: 3\*45°
- ▲ Weight: 0.39kg



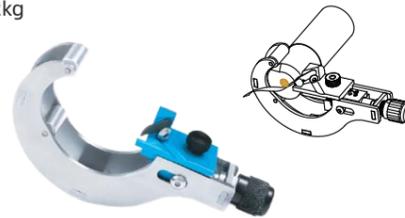
### CST310 10kV Insulation Chamfer Tool

- ▲ Compact and light weight, high efficiency
- ▲ Applied to XLPE dia. 18-32mm insulation layer
- ▲ Chamfer size: 3mm\*45°
- ▲ Weight: 0.2kg



### CST335 35kV Insulation Chamfer Tool

- ▲ Strong structure, high efficiency
- ▲ Applied to XLPE dia. 32-54mm insulation layer
- ▲ Chamfer size: 3mm\*45°
- ▲ Weight: 0.2kg



### CST20/40A 10kV Main Insulation Stripper

- ▲ Economical cable stripper and cost-effective
- ▲ Stripping range: 20-40mm
- ▲ Stripping depth: 0-10mm



### CST20/40B Semi-con Stripper

- ▲ Economical cable stripper, high cost performance
- ▲ Stripping range: 20-40mm
- ▲ Stripping depth: 0-3mm



### FL-210 10kV Economical Cable Preparation Set

- ▲ Semi-con stripper, cable dia. : 20-40mm, stripping range: 0-3mm
- ▲ Main insulation layer stripper, cable dia. : 20-40mm, stripping range: 0-10mm
- ▲ Auxiliary wrench x1
- ▲ Roller accessories x6
- ▲ Spare blade x2
- ▲ Portable tool bag



### CST15/65A 35kV Main Insulation Stripper

- ▲ Economical cable stripper and cost-effective
- ▲ Applied to strip 35kV main insulation layer
- ▲ Stripping range: 32-65 mm
- ▲ Stripping depth: 0-15 mm



### CST15/65B Semi-con Stripper

- ▲ Economical cable stripper, high cost performance
- ▲ Suitable for 35kV cable semi-conductor
- ▲ Stripping range: 32-65 mm
- ▲ Stripping depth: 0-3 mm



### FL-235 35kV Economical Cable Preparation Set

- ▲ Semi-con stripper, cable dia. : 32-65mm, stripping range: 0-3mm
- ▲ Main insulation layer stripper, cable dia. : 32-65mm, stripping range: 0-15mm
- ▲ Spare blade x2
- ▲ Portable tool bag



### ACSR-87 Aluminum Conductor Cutter for ACSR

- ▲ Used to cut aluminum conductor of ACSR below 800mm<sup>2</sup>
- ▲ Smooth cutting surface, no damage to steel wire. Make the wire insert into aluminum sleeve easier
- ▲ Equipped with wire holder, easy to use



Model	ACSR-87
Standard Accessories	ACSR120-400 holder dies: 6 sets Other size sold separately
Weight	About 1.5 kg
Packing	Plastic case
Packing Size	41x32x9cm

### ACSR-1250 Aluminum Conductor Cutter for ACSR

- ▲ Used to cut aluminum conductor of ACSR 1250 to 1440mm<sup>2</sup>
- ▲ Smooth cutting surface, no damage to steel wire. Make the wire insert into aluminum sleeve easier
- ▲ Equipped with wire holder, easy to use



Model	ACSR-1250
Standard Accessories	ACSR1250 and 1440 holder dies: 2 sets Other size sold separately
Weight	About 2.5 kg
Packing	Plastic case
Packing Size	41x32x9cm

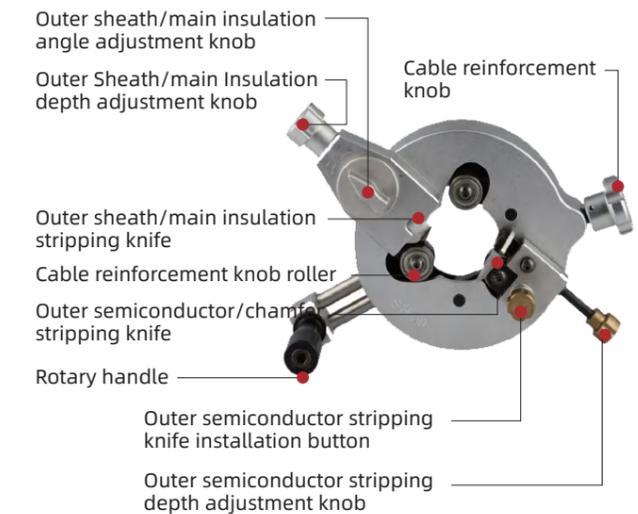
### CST320 10kV Cable Sharpening Set

- ▲ Aiming at the construction technology of thermal shrinkable head, the newly designed cable taper can fully meet the requirement of 10kV power cable, for power cable diameter from 18 mm to 32 mm
- ▲ Sizes: 50, 70, 95, 120, 150, 185, 240, 300mm<sup>2</sup>
- ▲ Each sharpening head is for a certain cable size. Including 8 sizes from 50mm<sup>2</sup> to 300mm<sup>2</sup> of 10kV



### SH-50 Ring Type Stripper

- ▲ Strip outer sheath, outer semiconducting layer, main insulating layer and insulating layer chamfering of 10-35kV copper-aluminum cable
- ▲ With lubricated guide wheel, annular stripping
- ▲ Lightweight and portable for easy work
- ▲ The slight deformation of the cable does not affect the use
- ▲ The surface of the outer semiconductor layer is smooth, and the lines are uniform, and the main insulating layer has a flush cut and does not damage the line
- ▲ Cutting range: Φ15-50mm
- ▲ The max stripping depth of the outer semiconductor layer is 1.5mm
- ▲ Min outer semiconductor layer length is 25mm
- ▲ Insulation layer cutting depth is 10mm
- ▲ Size: 230x220x90mm
- ▲ Weight: 1.8kg



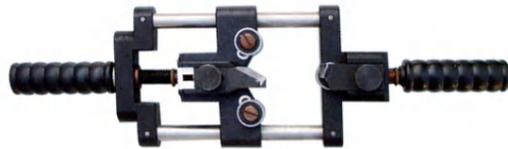
## CST126 High Voltage Cable Stripper

- ▲ Applied for 110-220kV cable jacket, main insulation and outer semi-con
- ▲ Stripping dia. 60-128mm
- ▲ Assembled with 8 bearings, width can be adjusted according to cable diameter, smooth stripping. The blade is freely adjustable according to the thickness of the cable sheath
- ▲ Weight: 3.7kg



## CST35/90 110kV Main Insulation and Outer Semi-con Stripping Tool

- ▲ Excellent tool for the prepare 110kV cable outer semi-conductor, main insulation layer. Perfect result
- ▲ Applicable cable diameter: 35-90mm
- ▲ Strip 110kV cable main insulation and outer semi-conductor



## CST90/150 220kV Main Insulation and Outer Semi-con Stripping Tool

- ▲ Excellent tool for the prepare 220kV cable outer semi-conductor, main insulation layer. Perfect result
- ▲ Applicable cable diameter: 90-150 mm
- ▲ Strip 220kV cable main insulation and outer semi-conductor



## PG-110 PG Series Bellows Stripping Tool

- ▲ Imported models, with rollers on both ends to make sure the crescent knife does not turn on the bellows
- ▲ Applied to strip 110kV and 220kV high-voltage cable outer bellows copper/aluminum sheath
- ▲ Stripping dia. : 50-110mm



## PG-220 PG Series Bellows Stripping Tool

- ▲ Imported models, with rollers on both ends to make sure the crescent knife does not turn on the bellows
- ▲ Applied to strip 110kV and 220kV high-voltage cable outer bellows copper/aluminum sheath
- ▲ Stripping dia. : 110-160mm



## CS-130B Cable Straightening Tool

- ▲ For straightening cable below 110kV
- ▲ Preferred tool for straightening cables during cable laying and installation
- ▲ With the features of labor-saving, quick and convenient, suitable for large section cable laying and cable installation
- ▲ Quick connecting coupler, easy to disassembly



Model	CS-130B
Output Force	50kN
Cable Diameter	≤Φ130mm
Min Bending Curvature	500mm
Weight	14kg
Packing	Steel case
Size	95x22x21cm

## CS-160B Cable Straightening Tool

- ▲ For straightening cable over 35kV
- ▲ Preferred tool for straightening cables during cable laying and installation
- ▲ With the features of labor-saving, quick and convenient, suitable for large section cable laying and cable installation
- ▲ Quick connecting coupler, easy to disassembly



Model	CS-160B
Output Force	50kN
Cable Diameter	≤Φ160mm
Weight	30kg
Packing	Steel case
Size	110x40x32cm

## BTJM-3 3T Engine Powered Winch

- ▲ Suitable for towing and hoisting machinery equipment, set up poles and towers, draw wires and lay cables for power posts and telecommunications lines in field construction
- ▲ Use Japanese Yamaha or Honda engine, strong and durable
- ▲ Light weight, big traction, especially suitable for complex construction area where large vehicles cannot enter



Model	BTJM-3
Pull Force at High Gear	15kN
Pull Force at Low Gear	30kN
Speed at CW High Gear	12m/min
Speed at CW Low Gear	5m/min
CCW	4m/min
Weight	80kg

## BTJM-5 5T Engine Powered Winch

- ▲ Suitable for towing and hoisting machinery equipment, set up poles and towers, draw wires and lay cables for power posts and telecommunications lines in field construction
- ▲ Use Japanese Yamaha or Honda engine, strong and durable
- ▲ Light weight, big traction, especially suitable for complex construction area where large vehicles cannot enter



Model	BTJM-5
Pull Force at High Gear	25kN
Pull Force at Low Gear	50kN
Speed at CW High Gear	9m/min
Speed at CW Low Gear	4m/min
CCW	8m/min 3.5m/min
Weight	140kg

## DS-180 Cable Feeder

- ▲ Suitable for large-scale urban power grid reconstruction, large section, long distance cable laying, reduce labor intensity and improve construction quality
- ▲ Big power, small size, light weight, and easy to operate. Low height, can be used at different condition
- ▲ Double vertical shaft drive makes transmission force and gravity respectively upon two direction of the cable helps protect the insulation layer of cable
- ▲ When multiple sets of conveyors are used at the same time, electrical control system (general control box and sub-control box) can be provided according to customer requirements



Model	DS-180
Feeding Range	Φ30-Φ180mm
Speed	7m/min
Rated Force	5kN
Power	0.75kW*2
Overall Dimension	94x36x48cm
Weight	180kg

## DS-230 Cable Feeder

- ▲ Suitable for large-scale urban power grid reconstruction, large section, long distance cable laying, reduce labor intensity and improve construction quality
- ▲ Big power, small size, light weight, and easy to operate. Low height, can be used at different condition
- ▲ Double vertical shaft drive makes transmission force and gravity respectively upon two direction of the cable helps protect the insulation layer of cable
- ▲ When multiple sets of conveyors are used at the same time, electrical control system (general control box and sub-control box) can be provided according to customer requirements



Model	DS-230
Feeding Range	Φ20-Φ230mm
Speed	6m/min
Rated Force	10kN
Power	1.5kW*2
Overall Dimension	102x50x50cm
Weight	180kg

## CPEM-9031C Electric Cable Polisher

- ▲ Imported main engine, apply to polish main insulation layer of HV cable, the design of the supporting arm can be most suitable for the shape of the cable arc grinding



Model	CPEM-9031C
Grinding Strap Size	30x533mm
Grinding Speed	200-1000m/min
Motor Power	200V/ AC 550W
Length	380mm
Weight	2.1kg
Accessories	2 sets of grinding strap AA40, 60, 80, 100, 120

## 2TON Power Cable Wire Grip

- ▲ Forged by high strength alloy steel
- ▲ Wide clamp range, light weight, non-skid and durable
- ▲ Suitable for insulated cable of overhead power line, ACSR, and bare aluminum wire



Model	2TON
Applicable Range	Φ4-22mm(16-185mm <sup>2</sup> )
Rated Load	2t
Weight	1.5kg

## 3TON Power Cable Wire Grip

- ▲ Forged by high strength alloy steel
- ▲ Wide clamp range, light weight, non-skid and durable
- ▲ Suitable for insulated cable of overhead power line, ACSR, and bare aluminum wire



Model	3TON
Applicable Range	Φ16-32mm(150-400mm <sup>2</sup> )
Rated Load	3t
Weight	2.6kg

## 2TON-G Wire Grip for Underground Cable

- ▲ Forged by high strength alloy steel
- ▲ Wide clamp range, light weight, non-skid and durable
- ▲ Suitable for overhead power cable, steel strands, and wire rope



Model	2TON-G
Applicable Range	Φ5-18mm
Rated Load	2t
Weight	1.6kg

## 3TON-G Wire Grip for Underground Cable

- ▲ Forged by high strength alloy steel
- ▲ Wide clamp range, light weight, non-skid and durable
- ▲ Suitable for overhead power cable, steel strands, and wire rope



Model	3TON-G
Applicable Range	Φ8-24mm
Rated Load	3t
Weight	3.0kg

## Aluminum Alloy Insulated Wire Grip

- ▲ Applied to clamp insulated cable, adjusting sag in erecting wire and sagging
- ▲ Forged of high strength aluminum alloy, compact and light weight



Model	Rated Load	Applicable Conductor Dia.	Max Opening	Weight
SKJL-1	10kN	Φ10-14mm	15mm	1.4kg
SKJL-1.5	15kN	Φ14-20mm	22mm	3.0kg
SKJL-2	20kN	Φ20-25mm	27mm	4.0kg
SKJL-2.5	25kN	Φ25-32mm	34mm	4.0kg

## Aluminum Alloy Wire Grip

- ▲ Applied to adjusting sag in erecting wire and sagging
- ▲ Forged of high strength aluminum alloy, compact and light weight



Model	Rated Load	Applicable Conductor	Max Opening	Weight
SKL-7	7kN	LGJ25-70	14mm	1.0kg
SKL-15	15kN	LGJ95-120	18mm	1.4kg
SKL-25	25kN	LGJ150-240	24mm	3.0kg
SKL-40	40kN	LGJ300-400	32mm	4.0kg
SKL-50	50kN	LGJ500-630	36mm	6.6kg

## Aluminum Alloy Wire Grip

- ▲ Applied to adjusting sag in erecting wire and sagging
- ▲ Forged of high strength aluminum alloy, compact and light weight
- ▲ Model number with "G" stands for clamp with protection hook device
- ▲ Clamp with protection hook devices, strength test up to 3 times and no damage to conductor, especially suitable for power distribution and transmission companies



Model	Rated Load	Applicable Conductor	Max Opening	Weight
SKL-40G	40kN	LGJ400	32mm	4.3kg
SKL-50G	50kN	LGJ500	34mm	7.0kg
SKL-50GA	50kN	LGJ630	36mm	7.3kg
SKL-60G	60kN	LGJ720	38mm	9.2kg
SKL-70G	70kN	LGJ800	42mm	14.0kg
SKL-80G	80kN	LGJ1000	45mm	18.0kg
SKL-80GA	80kN	LGJ1200	48mm	18.0kg

## SKLG-25 Optical Cable Grip for OPGW Overhead Line Construction

- ▲ Apply to adjusting and tension on OPGW construction
- ▲ The main body is made of aluminum alloy and it can protect the OPGW effectively
- ▲ For adjustment & tensioning in OPGW construction
- ▲ Main body in aluminum alloy, effectively protects OPGW
- ▲ OPGW diameter must be indicated



Model	SKLG-25
Rated Load	25kN
Cable Diameter	Φ8-20mm
Max Open	19mm
Weight	4.4kg

## SKLG-30 Optical Cable Grip for OPGW Overhead Line Construction

- ▲ Apply to adjusting and tension on OPGW construction
- ▲ The main body is made of aluminum alloy and it can protect the OPGW effectively
- ▲ For adjustment & tensioning in OPGW construction
- ▲ Main body in aluminum alloy, effectively protects OPGW
- ▲ OPGW diameter must be indicated



Model	SKLG-30
Rated Load	30kN
Cable Diameter	Φ11-15/16-18mm
Max Open	26/30mm
Weight	5.4kg

## SKLG-60 Optical Cable Grip for OPGW Overhead Line Construction

- ▲ Apply to adjusting and tension on OPGW construction
- ▲ The main body is made of aluminum alloy and it can protect the OPGW effectively
- ▲ For adjustment & tensioning in OPGW construction
- ▲ Main body in aluminum alloy, effectively protects OPGW
- ▲ OPGW diameter must be indicated



Model	SKLG-60
Rated Load	60kN
Cable Diameter	Φ16-24mm
Max Open	35mm
Weight	7.2kg

## SKDD-20 Steel Alloy Grounding Wire Grip for Overhead Line Construction

▲ Apply to wire pulling adjustment and ground wire stringing on the guyed tower



Model	SKDD-20
Rated Load	20kN
Steel Stranded Wire	25-120mm <sup>2</sup>
Steel Stranded Wire Diameter	Φ3-14mm
Weight	1.3kg

## SKST-10 Dual Hinge Grounding Wire Grip



▲ Apply to wire pulling adjustment and ground wire tightening

Model	SKST-10
Rated Load	10kN
Applicable Steel Stranded Wire	25-50mm <sup>2</sup>
Max Open	11mm
Weight	2.6kg

## SKST-20 Dual Hinge Grounding Wire Grip



▲ Apply to wire pulling adjustment and ground wire tightening

Model	SKST-20
Rated Load	20kN
Applicable Steel Stranded Wire	50-70mm <sup>2</sup>
Max Open	13mm
Weight	3.1kg

## SKST-30 Dual Hinge Grounding Wire Grip



▲ Apply to wire pulling adjustment and ground wire tightening

Model	SKST-30
Rated Load	30kN
Applicable Steel Stranded Wire	70-120mm <sup>2</sup>
Max Open	15mm
Weight	4.1kg

## SKDA-30 Ground Wire Clamp



▲ Apply to wire pulling adjustment and ground wire stringing on the guyed tower

Model	SKDA-30
Rated Load	30kN
Applicable Conductor	Φ11-14/Φ15-18mm
Max Open	23mm
Weight	7.1kg

## SKDA-60 Ground Wire Clamp



▲ Apply to wire pulling adjustment and ground wire stringing on the guyed tower

Model	SKDA-60
Rated Load	60kN
Applicable Conductor	Φ16-24mm
Max Open	30mm
Weight	9.6kg

## SKDB-30 Ground Wire Clamp



▲ Apply to wire pulling adjustment and ground wire stringing on the guyed tower

Model	SKDB-30
Rated Load	30kN
Applicable Conductor	Φ11-14/Φ15-18mm
Max Open	22mm
Weight	7.7kg

## SKDB-70 Ground Wire Clamp



▲ Apply to wire pulling adjustment and ground wire stringing on the guyed tower

Model	SKDB-70
Rated Load	70kN
Applicable Conductor	Φ16-22mm
Max Open	26mm
Weight	14.2kg

## Wire Grip for Anti-twisting Steel Wire Rope

▲ Apply to prepare anti-twisting steel wire rope  
▲ Single "V" type grip finger with symmetrical loading  
▲ Anti-twisting wire rope specification is need indicated when customer place order



Model	Rated Load	Applicable Section (□-Steel Strand)	Weight
SKG-40N	40kN	□7-9mm	6.4kg
SKG-50N	50kN	□11-15mm	8.7kg
SKG-70N	70kN	□16-18mm	9.0kg
SKG-120N	120kN	□19-21mm	14.7kg
SKG-120NG	120kN	□22-24mm	15.9kg
SKG-200N	200kN	□26-28mm	25.5kg
SKG-200NG	200kN	□30mm	25.5kg

## Aluminum Alloy Wire Grip for Al-clad Steel Stranded Wire



▲ Apply to Al-clad stranded wire construction  
▲ Products is forged of high strength aluminum alloy with heat treated strengthening

Model	SKLBGJ-30A	SKLBGJ-30B	SKLBGJ-30C
Rated Load	30kN	30kN	30kN
Applicable Al-Clad Steel Stranded Wire Scetion	50-70mm	80-120mm	125-150mm
Max Open	22mm	22mm	22mm
Weight	5.4kg	5.4kg	6.5kg

## Aluminum Alloy Wire Grip for Al-clad Steel Stranded Wire



▲ Apply to Al-clad stranded wire construction  
▲ Products is forged of high strength aluminum alloy with heat treated strengthening

Model	SKLBGJ-60A	SKLBGJ-60B
Rated Load	60kN	60kN
Applicable Al-Clad Steel Stranded Wire Scetion	125-150mm	150-240mm
Max Open	28mm	28mm
Weight	7.2kg	7.2kg

### Multiple Segments Wire Grip for Large Cross Overhead Line Construction (High Strength Aluminum Alloy)

- ▲ Apply to large cross conductor wire under high tension and long span construction situation
- ▲ Wire diameter is need indicated when customer place order
- ▲ Customization for client's special requirement of the rated load realized by different number of segments



Model	SKDP-120
Rated Load	120kN
Applicable Conductor	Φ30-35mm
Tightening Torque	150mm
Weight	26kg

### Round Steel Wire Rope Clamp SKG Series

- ▲ Apply to round strand wire rope
- ▲ Compression nuts must tighten again in order to reach the torque specification
- ▲ Steel rope diameter is need indicated when customer place order



Model	SKG-40	SKG-70	SKG-100
Rated Load	40kN	70kN	100kN
Applicable Steel Wire Rope Scetion	Φ13-15.5mm	Φ16-18mm	Φ19-22mm
Weight	5.6kg	18kg	20kg

### Aluminum Alloy Dual-hook Turnbuckle

- ▲ Apply to tightening steel wire rope and steel stranded wire
- ▲ Ring-hook can be customized



Model	Rated Load	Max Center Distance	Adjustable Distance	Weight
SXSL-10	10kN	798mm	290mm	2.0kg
SXSL-20	20kN	936mm	350mm	2.5kg
SXSL-30	30kN	1296mm	530mm	4.5kg
SXSL-50	50kN	1500mm	630mm	6.0kg

### Steel Dual-hook Turnbuckle

- ▲ Apply to tightening conductor, steel wire rope or steel stranded wire on installing stay wire and replacing insulator string



Model	Rated Load	Max Center Distance	Adjustable Distance	Weight
SXSG-5	5kN	800mm	250mm	2.5kg
SXSG-10	10kN	860mm	300mm	3.5kg
SXSG-20	20kN	1050mm	340mm	4.0kg
SXSG-30	30kN	1350mm	470mm	6.0kg
SXSG-50	50kN	1440mm	510mm	8.0kg
SXSG-80	80kN	1670mm	560mm	8.5kg
SXSG-100	100kN	1740mm	600mm	10.0kg

### Telescope-feed Dual-hook Turnbuckle

- ▲ Apply to tightening steel wire rope and steel stranded wire
- ▲ Sort product size with long adjustable distance



Model	Rated Load	Max Center Distance	Adjustable Distance	Weight
SXTS-10	10kN	658mm	290mm	3.0kg
SXTS-20	20kN	865mm	370mm	3.2kg
SXTS-30	30kN	970mm	430mm	4.5kg
SXTS-50	50kN	1127mm	520mm	7.2kg

### Aluminum Alloy Chain Lever Hoist

- ▲ Suitable for tightening line, adjusting sag, drawing line and other work in line construction
- ▲ Widely used in power, shipping, transportation, construction, cores, posts and telecommunications, telecommunications and other departments of installation equipment
- ▲ Lifting small items, part drawing, etc., especially in small workplaces, wild, aerial work and different angles traction, etc., it has the unique superiority
- ▲ Main body uses high strength magnesium alloy
- ▲ The chain is made of high strength steel, convenient, safe and reliable; Reasonable structure, beautiful appearance, simple maintenance and durable
- ▲ The hand force is small, high work efficiency
- ▲ Small size, light weight, easy to carry



Model	P-750	P-1500	P-3000	P-6000	P-9000
Working Capacity	7.5kN	15kN	30kN	60kN	90kN
Test Load	11.3kN	22.5kN	45kN	90kN	135kN
Chain Diameter	5mm	5mm	5mm	5mm	7.1mm
Contraction Distance	300mm	350mm	350mm	650mm	820mm
Stretch Distance	1800mm	1850mm	1850mm	2150mm	2320mm
Standard Lift	1500mm	1500mm	1500mm	1500mm	1500mm
Handle Length	230mm	230mm	430mm	430mm	750mm
Packing	Carton	Carton	Carton	Carton	Carton
Net Weight	4.5kg	5.5kg	8kg	18kg	24kg
Extra Height	0.55kg/m	1.1kg/m	1.1kg/m	1.7kg/m	3.2kg/m
GW for 1.5m Lift Model	4.9kg	5.9kg	9.5kg	27.1kg	/

### Ratchet Puller

- ▲ Forged by high strength alloy steel
- ▲ Small in size and light in weight
- ▲ Widely used in electric power, railway, oil and other industries



Model	1000	1500	2000
Max Traction Force	1t	1.5t	2t
Min Working Length	410mm	450mm	460mm
Max Working Length	1210mm	1220mm	1870mm
Handle Length	330mm	430mm	430mm
Weight	3.1kg	4.1kg	4.3kg

## Large Diameter Cable Roller-508mm



Model	Number of Sheave	Rated Load	Weight	Features
SHD508	1	20kN	18kg	Rubber lined aluminum sheave
SHS508	3	40kN	61kg	Middle: cast steel sheave, conductor: rubber coated aluminum sheave
SHW508	5	60kN	93kg	Middle: cast steel sheave, conductor: rubber coated aluminum sheave
SHDN508	1	20kN	16kg	MC nylon sheave
SHSLN508	3	40kN	47kg	Middle: MC nylon, conductor: rubber lined aluminum
SHWLN508	5	60kN	79kg	Middle: MC nylon, conductor: rubber lined aluminum
SHSQN508	3	40kN	43kg	MC nylon sheave
SHWQN508	5	60kN	70kg	MC nylon sheave

Note:  
1. Maximum suitable conductor ACSR400 2. Sheave dimension (outer dia. × root dia. × sheave width): Φ508×Φ408×75 (mm)  
3. Sheave dimension Φ508×Φ408×100(mm) can be customized

## Large Diameter Cable Roller-660mm



Model	Number of Sheave	Rated Load	Weight	Features
SHD660	1	20kN	30kg	Rubber coated aluminum sheave
SHS660	3	40kN	106kg	Middle: cast steel sheave with the width of 90mm, conductor: rubber coated aluminum sheave
SHW660	5	60kN	150kg	Middle: cast steel sheave with the width of 90mm, conductor: rubber coated aluminum sheave
SHDN660	1	20kN	24kg	MC nylon sheave
SHSLN660	3	40kN	92kg	Middle: MC nylon sheave, conductor: rubber coated aluminum sheave
SHWLN660	5	60kN	120kg	Middle: MC nylon sheave, conductor: rubber coated aluminum sheave
SHSQN660	3	40kN	76kg	MC nylon sheave
SHWQN660	5	60kN	110kg	MC nylon sheave
SHQZ660	7	80kN	268kg	Middle: cast steel sheave, conductor: rubber coated aluminum sheave
SHQ660A	7	75kN	190kg	Middle: cast steel sheave, conductor: MC nylon sheave

Note:  
1. Maximum suitable conductor ACSR500 2. Sheave dimension (outer dia. × root dia. × sheave width): Φ660×Φ560×100 (mm)  
3. Sheave dimension Φ660×Φ560×110(mm) can be customized

## Large Diameter Cable Roller-750mm



Model	Number of Sheave	Rated Load	Weight	Features
SHDN750	1	20kN	35kg	MC nylon sheave
SHSQN750	3	40kN	95kg	MC nylon sheave
SHWQN750	5	60kN	140kg	MC nylon sheave

Note:  
1. Maximum suitable conductor ACSR630  
2. Sheave dimension (outer diameter× root diameter × sheave width): Φ750×Φ640×110 (mm)

## Large Diameter Cable Roller-822mm



Model	Number of Sheave	Rated Load	Weight	Features
SHDN822	1	30kN	40kg	MC nylon sheave
SHSQN822	3	60kN	118kg	Middle: cast steel sheave, conductor: MC nylon wheel
SHWQN822	5	120kN	180kg	Middle: cast steel sheave, conductor: MC nylon wheel
SHQ822	7	120kN	285kg	Middle: cast steel sheave, conductor: MC nylon wheel
SHJ822	9	150kN	445kg	Middle: cast steel sheave, conductor: MC nylon wheel

Note:  
1. Maximum suitable conductor ACSR630 2. Sheave dimension (outer dia. × root dia. × sheave width): Φ822×Φ710×110 (mm)  
3. Rubber lined MC nylon sheave for conductor can be customized

## Large Diameter Cable Roller-916mm

Model	Number of Sheave	Rated Load	Weight	Features
SHDN916	1	50kN	51kg	MC nylon sheave
SHSQN916	3	75kN	120kg	MC nylon sheave
SHWQN916	5	150kN	200kg	MC nylon sheave

Note:  
1. Maximum suitable conductor ACSR720 2. Sheave dimension (outer dia. × root dia. × sheave width): Φ916×Φ800×110 (mm)  
3. The middle sheave can be customized as cast steel sheave

## Large Diameter Cable Roller-1040mm



Model	Number of Sheave	Rated Load	Weight	Features
SHDN1040	1	50kN	60kg	MC nylon sheave
SHSQN1040	3	105kN	200kg	Middle: MC nylon sheave, conductor: rubber coated nylon sheave
SHWQN1040	5	180kN	330kg	Middle: MC nylon sheave, conductor: rubber coated nylon sheave

Note:  
1. Maximum suitable conductor ACSR1120      2. Sheave dimension (outer dia. x root dia. x sheave width):  $\Phi 1040 \times \Phi 900 \times 125$  (mm)  
3. The rubber lined MC nylon sheave are completely lined, half lined sheave can be customized

## Large Diameter Cable Roller-1160mm

Model	Number of Sheave	Rated Load	Weight	Features
SHDN1160	1	60kN	65kg	Middle: MC nylon sheave
SHSQNK1160	3	120kN	220kg	Middle: MC nylon sheave, conductor: rubber lined MC nylon sheave

Note:  
1. Maximum suitable conductor ACSR1250  
2. Dimension of block for conductor (outside diameter x root diameter x sheave width)  $\Phi 1160 \times \Phi 1000 \times 150$ mm  
3. Dimension of block for steel wire rope (outside diameter x root diameter x sheave width)  $\Phi 1160 \times \Phi 1000 \times 130$ mm  
4. The rubber lined MC nylon sheave is half lined

## Grounding Roller Stringing Block



Uses: to lead induced current of into earth in conductor stringing construction  
Note: 1. The other parameter see "Large diameter string block"  
2. If you purchase the large diameter stringing block with grounding roller, the model of block only postfix "D"

Model	Outside Diameter of Sheave	Sheave Number
SHD508D	$\Phi 508 \times 75$ mm	1
SHS508D	$\Phi 508 \times 75$ mm	3
SHW508D	$\Phi 508 \times 75$ mm	5
SHD660D	$\Phi 660 \times 100$ mm	1
SHS660D	$\Phi 660 \times 100$ mm	3
SHW660D	$\Phi 660 \times 100$ mm	5
SHDN822D	$\Phi 822 \times 110$ mm	1
SHSQN822D	$\Phi 822 \times 110$ mm	3
SHWQN822D	$\Phi 822 \times 110$ mm	5
SHDN916D	$\Phi 916 \times 110$ mm	1
SHSQN916D	$\Phi 916 \times 110$ mm	3
SHWQN916D	$\Phi 916 \times 110$ mm	5

## Helicopter Stringing Block

It is suitable to string many kinds of overhead conductors on tangent structures. Compression sleeves, swivel connectors, and puling rope connectors can pass through the groove. The sheaves are made of aluminum alloy or high strength nylon



Note:  
1. 508mm, 660mm aluminum alloy sheave can be lined with rubber  
2. 660mm, 822mm, 916mm, 1040mm nylon sheave can be lined with rubber  
3. Three sheaves and five sheaves helicopter stringing blocks are available for two bundle conductor and four bundle conductors stringing

Model	Number of Sheave	Suitable Conductor	Rated Load	Weight	Remark
SHDNZ-320x60	1	ACSR240-300	20kN	7.5kg	Rubber lined aluminum sheave; Nylon sheave, rubber lined nylon sheave can be customized
SHDNZ-400x80	1	ACSR300-400	20kN	8kg	
SHDNZ508	1	ACSR300-400	20kN	16kg	
SHDNZ660	1	ACSR400-500	20kN	24kg	
SHDNZ750	1	ACSR500-600	30kN	32kg	
SHDNZ822	1	ACSR600-700	30kN	38kg	
SHDNZ916	1	ACSR700-800	50kN	51kg	
SHDNZ1040	1	ACSR800-900	50kN	60kg	

## Cable Roller

▲ Apply to lay single line, double split line, four split line in overhead transmission lines construction  
▲ There are three head types to choose: hook type, plate type



Note: data in model means outer diameter \* sheave width (mm) of the cable roller

Model	Applicable Wire (ACSR)	Rated Load	AL Sheave	Nylon Sheave
SHD-120x35	25-70	5kN	1.8kg	1.5kg
SHD-160x40	95-120	10kN	3.1kg	2.6kg
SHD-200x40	150-240	15kN	3.5kg	2.9kg
SHD-200x60	150-240	15kN	4.3kg	3.3kg
SHD-250x60	300-400	20kN	6.7kg	5.8kg
SHD-270x60	300-400	20kN	7.0kg	6.2kg
SHD-320x60	300-400	20kN	9.0kg	8.3kg
SHD-320x80	400-500	20kN	11.0kg	10.3kg
SHD-400x80	400-500	20kN	12.5kg	11.0kg

### Cross Arm-mounted Cable Roller

Application: it can be used as suspension type and also as cross arm-mounted type



Note: data in model means outer dia. \*sheave width (mm) of the cable roller

Model	Applicable Wire (ACSR)	Rated Load	Dia. x Width	Weight	Remark
SHC-0.5	25-185	5kN	Φ80x50mm	1.7kg	Aluminum sheave
SHC-2	35-240	20kN	Φ120x60mm	2.8kg	Aluminum sheave
SHCN-0.5	25-185	5kN	Φ80x50mm	1.55kg	Nylon sheave
SHCN-2	35-240	20kN	Φ120x60mm	2.5kg	Nylon sheave

### Cross Arm-mounted Dual Purpose Cable Roller

Application: it can be used as suspension type and as cross arm-mounted type



Model	Sheave Size	Rated Load	Weight	Remark
SHG-0.5	Φ80x50	5kN	2.1kg	Aluminum sheave
SHG-1	Φ160x40	10kN	3.2kg	
SHG-2	Φ120x60	20kN	3.6kg	
SHGN-0.5	Φ80x50	5kN	1.95kg	Nylon sheave
SHGN-1	Φ160x40	10kN	2.6kg	
SHGN-2	Φ120x60	20kN	3.4kg	

### Ground Cable Roller

Application: used to lay ground wire and steel strands cable



Model	Applicable Steel Strands	Rated Load	Sheave size	Weight	Remark
SHT-1	GJ25-70	10kN	Φ120x32mm	2kg	Steel Sheave
SHT-2	GJ70-120	20kN	Φ150x50mm	4.6kg	
SHTN-1	GJ25-70	10kN	Φ120x32mm	1.6kg	Nylon sheave
SHTN-2	GJ70-120	20kN	Φ150x50mm	3.5kg	

### Cross Arm-mounted Three-purpose Cable Roller

Application: it can be used in three directions, straight, left and right. Used in straight line or left turning and right turning angle pole



Model	Applicable Wire (ACSR)	Rated Load	Aluminum Sheave	Nylon sheave
SHCS-2	≤240	20kN	4.7kg	4.1kg

### Block Stringing Cable Roller

Application: when pulling cables, hang it directly on cross arm angle steel, making steel wire rope or conductor close to hanging point to prevent over traction



Model	Sheave Dia.	Wire Dia.	Rated Load	Remark
SDTG	Φ150mm	≤16mm	30kN	Aluminum sheave
SDTGN	Φ265mm	≤34mm	30kN	Nylon sheave

### Tandem Sheaves Cable Roller

Application: apply to lay big cross-section cable, and sleeve can go through the groove



Model	Applicable Cable (ACSR)	Rated Load	Weight	Remark
SHR-2.5	300-500	25kN	11kg	Aluminum sheave
SHRN-2.5	300-500	25kN	9.5kg	Nylon sheave

### Ground Straight Cable Roller



Cast aluminum frame

Note: used for cable diameter below Φ150, model with N is nylon sheave, the others are aluminum roller

Model	Rated Load	Weight
SHL1	5kN	5.4kg-Al sheave
SHL1N	5kN	3.6kg-Nylon sheave

### Ground Straight Cable Roller



Steel pipe frame A

Note: used for cable diameter below Φ150, model with N is nylon sheave, the others are aluminum roller

Model	Rated Load	Weight
SHL1G	5kN	6.6kg-Al sheave
SHL1GN	5kN	6.2kg-Nylon sheave

### Ground Corner Cable Roller

Application: apply to big diameter cable  
Note: it can be built up any turning angle on requirements



### Small Cable Roller

Application: apply to lay big cross-section cable, and sleeve can go through the groove



Model	Name	Rated Load	Weight
SHH-0.5	Ring type roller	5kN	0.75kg
SHGL-0.5	Aluminum sheave hook type roller	5kN	1kg

### Ground Straight Cable Roller



Steel plate frame

Note: used for cable diameter below Φ150, model with N is nylon sheave, the others are aluminum roller

Model	Rated Load	Weight
SHL1B	5kN	5.5kg-Al sheave
SHL1BN	5kN	3.7kg-Nylon sheave

### Ground Straight Cable Roller



Steel pipe frame B

Note: used for cable diameter below Φ150, model with N is nylon sheave, the others are aluminum roller

Model	Rated Load	Weight
SHL2G	5kN	4.7kg-Al sheave
SHL2GN	5kN	4.3kg-Nylon sheave

Model	Rated Load	Max Cable Dia.	Weight
SHL3	10kN	≤Φ120mm	11kg
SHL3N	10kN	≤Φ120mm	9kg
SHL2	10kN	≤Φ150mm	12kg
SHL2N	10kN	≤Φ150mm	10kg

### Cable Turning Roller

▲ Description: used for small section cable bending is not big, the model with N is nylon wheel and the other is aluminum wheel



One-way

Model	Rated Load
SHZL1	10kN
SHZL1N	10kN

### Cable Turning Roller

▲ Description: used for small section cable bending is not big, the model with N is nylon wheel and the other is aluminum wheel



Two-way

Model	Rated Load
SHZL1T	10kN
SHZL1TN	10kN

### Triple-sheave Cable Roller, Pithead Cable Roller

▲ Feature: used at straight line or corner. It can be disassembled into 3 rollers



Triple-sheave cable roller

Note: apply at pithead and traction cable protection. Leaning against the side of pithead directly while using

Model	Rated Load	Max Cable Dia.	Weight
SH130S	10kN	≤Φ100mm	12kg

### Triple-sheave Cable Roller, Pithead Cable Roller

▲ Feature: used at straight line or corner. It can be disassembled into 3 rollers



Pithead single-sheave roller

Note: apply at pithead and traction cable protection. Leaning against the side of pithead directly while using

Model	Rated Load	Max Cable Dia.	Weight
SHH1L	10kN	≤Φ100mm	7.2kg-Aluminum sheave
SHH1N	10kN	≤Φ100mm	6.2kg-Nylon sheave

### Triple-sheave Cable Roller, Pithead Cable Roller

▲ Feature: used at straight line or corner. It can be disassembled into 3 rollers



Pithead Multi-cable roller

Note: apply at pithead and traction cable protection. Leaning against the side of pithead directly while using

Model	Rated Load	Max Cable Dia.	Weight
SH450J	10kN	≤Φ100mm	11kg-Aluminum sheave
SH450JN	10kN	≤Φ100mm	9kg-Nylon sheave

### B Series Cable Entrance Protection Roller

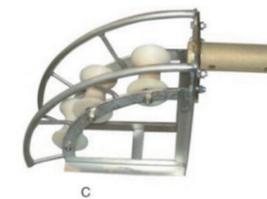
▲ Application: apply to lay cable  
▲ Feature: single sheave  
▲ The roller can be put in tube entrance at any angle, lockable. Nylon sheave, zinc plating on steel parts



Model	Max Cable Dia.	Weight
SH80B	80mm	3.3kg
SH90B	90mm	3.5kg
SH100B	100mm	3.8kg
SH130B	130mm	6kg
SH150B	150mm	7.2kg

### C Series Cable Entrance Protection Roller C1 Series Cable Entrance Protection Roller

▲ Application: three sheaves, radius of curvature 450mm. Four sheaves, radius of curvature 1000mm  
▲ The roller can be put in tube entrance at any angle, lockable. Nylon sheave, zinc plating on steel parts



Model	Max Cable Dia.	Weight
SHL80C	80mm	17kg
SHL90C	90mm	18kg
SHL100C	100mm	20kg
SHL130C	130mm	20.5kg
SHL150C	150mm	21kg



▲ Application: three sheaves, radius of curvature 450mm. Four sheaves, radius of curvature 1000mm  
▲ The roller can be put in tube entrance at any angle, lockable. Nylon sheave, zinc plating on steel parts

Model	Max Cable Dia.	Weight
SHL80C1	80mm	24kg
SHL90C1	90mm	25kg
SHL100C1	100mm	26.5kg
SHL130C1	130mm	27.5kg
SHL150C1	150mm	28.5kg

### D Series Cable Entrance Protection Roller High Speed Steering Cable Roller

▲ Application: apply to lay cable  
▲ Feature: single sheave, lengthen and fixed structure, nylon sheave



Model	Max Cable Dia.	Weight
SH80DA	80mm	4.3kg
SH90DA	90mm	4.6kg
SH100DA	100mm	5kg
SH130DA	130mm	6.9kg
SH150DA	150mm	9kg

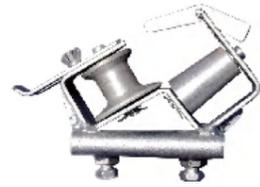
▲ Application: used for traction wire rope steering when tensioning wire, can pass the wire rope connector, allowing the maximum speed of the traction rope ≥80m/min  
▲ Remark: Steel sheave



Model	Rated Load	Sheave Dia.	Sheave Width	Weight
THZI-5	50kN	Φ308mm	75mm	22kg
THZI-16	160kN	Φ600mm	92mm	115kg
THZI-30	300kN	Φ916mm	110mm	200kg

## Skyward Corner Stringing Pulley

- Product includes two types include left hand and right hand. It can be fixed on the pole arm for conductor stringing



Model	Rated Load	Applicable ACSR Conductor	Weight	
			Aluminum Sheave	Nylon Sheave
SHCZ-5	5kN	25-185mm <sup>2</sup>	2.1kg	1.8kg

## Bunch Conductor Pulley

- Two conductors can pass through at the same time



Model	Rated Load	Max Applicable Conductor	Sheave Size	Weight	Sheave Material
SHJ-2A	2kN	3 x 120 + 1 x 95mm	Φ115 x 120mm	3.6kg	Nylon
SHJ-2B	2kN	3 x 120 + 1 x 95mm	Φ115 x 120mm	3.8kg	Aluminum

## Grounding Wire Pulley

- Apply to eliminating induced static/electricity in conductor or grounding wire spread when tension stringing
- Grounding wire and grounding pile provide additionally



Model	Groove Diameter	Applicable Wire Type	Max Current(A)	Weight	Sheave Material
SDJL-100A	Φ50mm	Conductor wire	100	8.9kg	Casting aluminum
SDJG-100A	Φ50mm	Grounding wire	100	10kg	Casting steel

## Wire Pulley For Pressuring Conductor

- Apply to pressing the upward conductor and ground wire in stringing works



Item No.0393      Item No.0394

Item	Model	Rated Load	Applicable Conductor	Sheave External Diameter	Sheave Width	Weight	Article Name
0393	SHYXN-25	25kN	ACSR≤720	Φ400mm	80mm	21.8kg	MC nylon sheave
0394	SHYXN-80	80kN	ACSR≤720	Φ400mm	110mm	21.7kg	Steel frame with nylon sheave

## Ending Pulley

- Apply to tighten up conductors
- Side plate can be opened and it is convenient for line construction



Model	Rated Load	Sheave External Diameter	Sheave Width	Weight
SHJ-30	30kN	Φ140mm	36mm	5.3kg
SHJ-50	50kN	Φ160mm	48mm	9.0kg
SHJ-80	80kN	Φ180mm	56mm	16.5kg

## Steel Hoisting Pulley With Steel Casting Sheave

- Apply to assemble and erect the tower, line construction, hoist devices and other hoist operation
- Accessories style is need to indicated such like open type, close type, hook type and ring type when customer place order



Model	Sheave Number	Rated Load	Applicable Steel Rope Diameter	Weight
ZQ1-10	Single sheave	10kN	Φ7.7mm	3.0kg
ZQ2-10	Dual sheave	10kN	Φ5.7mm	3.0kg
ZQ3-10	Three sheave	10kN	Φ5.7mm	4.3kg
ZQ1-20	Single sheave	20kN	Φ11mm	4.7kg
ZQ2-20	Dual sheave	20kN	Φ7.7mm	5.3kg
ZQ3-20	Three sheave	20kN	Φ7.7mm	7.2kg
ZQ1-30	Single sheave	30kN	Φ12.5mm	6.5kg
ZQ2-30	Dual sheave	30kN	Φ11mm	7.8kg
ZQ3-30	Three sheave	30kN	Φ7.7mm	10.5kg
ZQ1-50	Single sheave	50kN	Φ15.5mm	9.0kg
ZQ2-50	Dual sheave	50kN	Φ12.5mm	10.8kg
ZQ3-50	Three sheave	50kN	Φ11mm	13.8kg
ZQ1-80	Single sheave	80kN	Φ18.5mm	14.4kg
ZQ2-80	Dual sheave	80kN	Φ15.5mm	19.0kg
ZQ3-80	Three sheave	80kN	Φ12.5mm	19.8kg
ZQ1-100	Single sheave	100kN	Φ20mm	21.0kg
ZQ2-100	Dual sheave	100kN	Φ18.5mm	24.0kg
ZQ3-100	Three sheave	100kN	Φ15.5mm	24.8kg

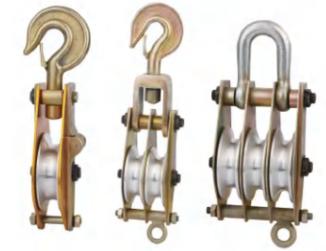
## Aluminum Hoisting Pulley



- ▲ Apply to assemble and erect the tower, line construction, hoist devices and other hoist operation
- ▲ Product is made of aluminum alloy plate with MC nylon sheave or aluminum sheave, it has light weight
- ▲ Accessories style is need to indicated such like open type, close type, hook type and ring type when customer place order

Model	Sheave Number	Rated Load	Applicable Steel Rope Diameter	Weight	Sheave Material
ZQLN1-10	Single sheave	10kN	Φ7.7mm	1.8kg	Nylon sheave
ZQLN2-10	Dual sheave	10kN	Φ5.7mm	1.8kg	
ZQLN3-10	Three sheave	10kN	Φ5.7mm	2.1kg	
ZQLN1-20	Single sheave	20kN	Φ11mm	2.9kg	
ZQLN2-20	Dual sheave	20kN	Φ7.7mm	3.1kg	
ZQLN3-20	Three sheave	20kN	Φ7.7mm	3.8kg	
ZQLN1-30	Single sheave	30kN	Φ12.5mm	4.1kg	
ZQLN2-30	Dual sheave	30kN	Φ11mm	4.3kg	
ZQLN3-30	Three sheave	30kN	Φ7.7mm	5.3kg	
ZQLN1-50	Single sheave	50kN	Φ15.5mm	5.6kg	
ZQLN2-50	Dual sheave	50kN	Φ12.5mm	6.1kg	
ZQLN3-50	Three sheave	50kN	Φ11mm	7.3kg	
ZQLN1-80	Single sheave	80kN	Φ18.5mm	8.8kg	
ZQLN2-80	Dual sheave	80kN	Φ15.5mm	8.6kg	
ZQLN3-80	Three sheave	80kN	Φ12.5mm	9.6kg	
ZQLN1-100	Single sheave	100kN	Φ20mm	12.1kg	
ZQLN2-100	Dual sheave	100kN	Φ18.5mm	11.8kg	
ZQLN3-100	Three sheave	100kN	Φ15.5mm	13.2kg	
ZQLL1-10	Single sheave	10kN	Φ7.7mm	1.8kg	Aluminum sheave
ZQLL2-10	Dual sheave	10kN	Φ5.7mm	2.0kg	
ZQLL3-10	Three sheave	10kN	Φ5.7mm	2.1kg	
ZQLL1-20	Single sheave	20kN	Φ11mm	3.0kg	
ZQLL2-20	Dual sheave	20kN	Φ7.7mm	3.2kg	
ZQLL3-30	Three sheave	20kN	Φ7.7mm	4.0kg	
ZQLL1-30	Single sheave	30kN	Φ12.5mm	4.2kg	
ZQLL2-30	Dual sheave	30kN	Φ11mm	4.5kg	
ZQLL3-30	Three sheave	30kN	Φ7.7mm	5.6kg	
ZQLL1-50	Single sheave	50kN	Φ15.5mm	5.7kg	
ZQLL2-50	Dual sheave	50kN	Φ12.5mm	6.3kg	
ZQLL3-50	Three sheave	50kN	Φ11mm	7.7kg	
ZQLL1-80	Single sheave	80kN	Φ18.5mm	8.9kg	
ZQLL2-80	Dual sheave	80kN	Φ15.5mm	9.0kg	
ZQLL3-80	Three sheave	80kN	Φ12.5mm	10.0kg	
ZQLL1-100	Single sheave	100kN	Φ20mm	12.3kg	
ZQLL2-100	Dual sheave	100kN	Φ18.5mm	12.6kg	
ZQLL3-100	Three sheave	100kN	Φ15.5mm	14.0kg	

## Steel Hoisting Pulley for Coir Rope Use



- ▲ Apply to hoist operation with coir rope or nylon rope

Model	Rated Load	Type	Sheave Dia. x Sheave Width	Weight	Sheave Material
ZQZL-10A	10kN	Single wheel with opening hook	Φ100x31mm	2.2kg	Aluminum sheave
ZQZL-20A	20kN	Single wheel with opening ring	Φ120x35mm	3.4kg	
ZQZL-10B	10kN	Dual wheels with hook	Φ80x27mm	2.3kg	
ZQZL-20B	20kN	Dual wheels with ring	Φ80x27mm	3.0kg	
ZQZL-20C	20kN	Three wheels with hook	Φ100x31mm	4.5kg	
ZQZL-15	15kN	Three wheels with ring	Φ80x27mm	2.6kg	
ZQZN-10A	10kN	Single wheel with opening hook	Φ100x31mm	2.1kg	Nylon sheave
ZQZN-20A	20kN	Single wheel with opening ring	Φ120x35mm	3.3kg	
ZQZN-10B	10kN	Dual wheels with hook	Φ80x27mm	2.1kg	
ZQZN-20B	20kN	Dual wheels with ring	Φ80x27mm	2.8kg	
ZQZN-20C	20kN	Three wheels with hook	Φ100x31mm	4.1kg	
ZQZN-15	15kN	Three wheels with ring	Φ80x27mm	2.5kg	

## Point Steel Hoisting Pulley



- ▲ Fixing with hoist point on the A shape lattice structure holding Pole in order to instead of hoisting pulley
- ▲ It is easy to use with light weight and strong carrying capacity

Model	Rated Load	Sheave Diameter	Sheave Width	Weight
ZQD-30	30kN	126mm	32mm	5kg
ZQD-50	50kN	160mm	36mm	8kg
ZQD-80	80kN	190mm	42mm	12kg
ZQD-160	160kN	270mm	58mm	23kg

## Both Side Opening Hoisting Pulley With Dual Wheels



- ▲ Apply to assemble and erect the tower, line construction, hoist devices and other hoist operation
- ▲ Loading and unloading steel wire rope conveniently with double side opening
- ▲ Hook or ring type is need indicated when customer place order

Model	Rated Load	Applicable Rope Diameter	Weight	Hook	Ring
ZQS-20	20kN	≤Φ7.7mm	5.3kg	G	H
ZQS-30	30kN	≤Φ11.0mm	6.3kg	G	H
ZQS-50	50kN	≤Φ12.5mm	11.0kg	G	H
ZQS-80	80kN	≤Φ15.5mm	16.0kg	G	H
ZQS-100	160kN	≤Φ18.5mm	18.0kg	G	H

### One Draw Two Moving Boards

- ▲ Apply to tension stringing or mechanical traction stringing construction
- ▲ Size can be customized
- ▲ Conductor Independent



2 Bundled

Model	Rated Load	Applicable Stringing Block Sheave Width	Weight
SB2-80	80kN	75mm	17kg
SB2-80A	80kN	100mm	19kg
SB2-80B	80kN	110mm	19.5kg
SB2-130A	130kN	110mm	55kg

### One Draw Four Moving Boards

- ▲ Apply to tension stringing or mechanical traction stringing construction
- ▲ Size can be customized
- ▲ Conductor Independent



4 Bundled

Model	Rated Load	Applicable Stringing Block Sheave Width	Weight
SB4-130A	130kN	100mm	96kg
SB4-130B	130kN	100mm	65kg
SB4-180	180kN	110mm	95kg
SB4-250A	250kN	110mm	110kg
SB4-250B	250kN	110mm	88kg

### Ground Drill

- ▲ Apply to temporary anchoring on construction



Model	Rated Tension	Max Depth	Pole Diameter	Length	Weight
ZMZ-10	10kN	1000mm	Φ25mm	1300mm	9kg
ZMZ-30	30kN	1500mm	Φ30mm	1710mm	16kg
ZMZ-50	50kN	1500mm	Φ36mm	1710mm	21kg

### Conductor Lifter

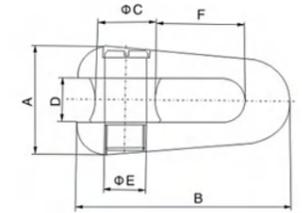
- ▲ Apply to temporary anchoring on construction



Model	Rated Load	Groove Length	Weight
STD-30	30kN	130mm	3.6kg
STD-55	55kN	172mm	6.7kg

### U-type Anti-bending Fixed Joint

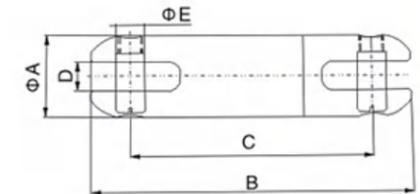
- ▲ Apply to connecting pulling steel rope and conductors
- ▲ Made of high quality steel with high strength and small size. It can pass over stringing pulley



Model	Rated Load	Main Size(mm)					Weight
		A	D	C	F	B	
SLU-10	10kN	36	10	18	29	68	0.2kg
SLU-30	30kN	37	12	20	31	76	0.3kg
SLU-50	50kN	45	20	22	45	97	0.6kg
SLU-80	80kN	50	22	25	48.5	107	0.9kg
SLU-100	100kN	57	24	28	52	119	1.2kg
SLU-130	130kN	61	26	28	58	128	1.5kg
SLU-150	150kN	64	27	30	62	136	1.7kg
SLU-180	180kN	68	29	32	65	144	2.1kg
SLU-250	250kN	78	33	38	75	166	3.2kg
SLU-320	320kN	85	38	40	85	182	4.0kg

### Swivel Joint

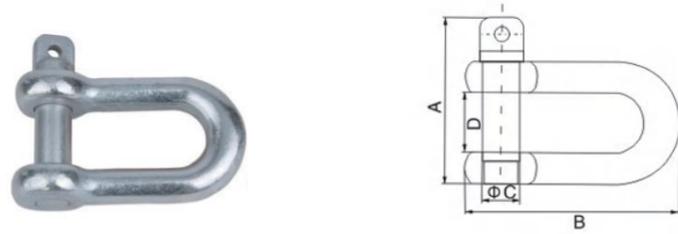
- ▲ Apply to connecting the conductor and ACSR with steel stranded rope in stringing construction. The product can release torsion strain accumulation of wire rope
- ▲ Product is made of high strength steel with small size. It can pass through the stringing Pulley



Model	Rated Load	Main Size(mm)				Weight
		A	B	D	E	
SLX-10	10kN	30	99	12	13	0.4kg
SLX-30	30kN	37	130	16	18	0.7kg
SLX-50	50kN	42	157	18	22	1.1kg
SLX-80	80kN	57	230	24	27	3.2kg
SLX-130	130kN	62	255	26	30	4.1kg
SLX-180	180kN	75	330	26	35	7.3kg
SLX-250	250kN	80	348	30	53	9.0kg

## High Strength Shackle

▲ Connecting Steel rope with loading operation



Model	Rated Load	Main Size(mm)				Weight
		A	B	C	D	
ZFX-10	10kN	57	78	11.5	19	0.2kg
ZFX-20	20kN	63	93	16	21	0.4kg
ZFX-30	30kN	82	121	19	33	0.7kg
ZFX-50	50kN	98	134	22	39	1.0kg
ZFX-50L	50kN	96	175	21	37	1.4kg
ZFX-80	80kN	117	168	25	49	1.7kg
ZFX-100	100kN	125	182	27	51	2.2kg
ZFX-120	120kN	129	203	29	46	2.7kg
ZFX-160	160kN	151	227	35	55	4.7kg
ZFX-200	200kN	155	222	38	57	5.0kg
ZFX-300	300kN	178	238	49	70	7.4kg

## High Voltage Cable Pulling Grip

▲ The mesh cover is made of galvanized steel wire rope, 304 stainless steel wire rope, and 316 stainless steel wire rope. Single, double, triple or double mesh sleeves can be selected according to the wire diameter. The handle part can choose to add a thimble



Model	Diameter Range	Mesh Length	Total Length	Ply Qty	Breaking
LL-16	12-16mm	680mm	750mm	2	8kN
LL-20	16-20mm	765mm	850mm	2	10kN
LL-25	20-25mm	865mm	950mm	2	15kN
LL-37	25-37mm	985mm	1100mm	2	18kN
LL-50	37-50mm	1180mm	1300mm	2	35kN
LL-60	50-60mm	1280mm	1400mm	2	45kN
LL-80	60-80mm	1440mm	1600mm	3	60kN
LL-100	80-100mm	1720mm	1900mm	3	90kN
LL-120	100-120mm	1970mm	2200mm	3	110kN
LL-150	120-150mm	2620mm	2900mm	3	140kN
LL-180	150-180mm	2620mm	2900mm	3	150kN
LL-220	180-220mm	2620mm	2900mm	3	180kN

## Double Handles Cable Pulling Grip

▲ Cables can be passed through the middle of the mesh, so that to be protected



Model	Diameter Range	Mesh Length	Total Length	Breaking
DLL-18	13-18mm	450mm	650mm	8kN
DLL-25	18-25mm	500mm	750mm	11kN
DLL-37	25-37mm	600mm	850mm	13kN
DLL-50	37-50mm	700mm	1000mm	24kN

## Closed Cable Pulling Grip

▲ The wire rope is of high flexibility and high elasticity, so cable is easier to pass through the bend



Model	Diameter Range	Mesh Length	Total Length	Breaking
CL-9	7-9mm	220mm	300mm	2kN
CL-12	9-12mm	550mm	650mm	3.5kN
CL-14	12-14mm	550mm	650mm	5kN
CL-18	15-18mm	650mm	750mm	10kN
CL-25	18-25mm	750mm	850mm	15kN
CL-37	25-37mm	900mm	1100mm	18kN
CL-50	37-50mm	950mm	1200mm	35kN
CL-63	50-63mm	1000mm	1300mm	45kN
CL-75	63-75mm	1150mm	1500mm	60kN
CL-90	75-90mm	1350mm	1700mm	70kN
CL-110	90-110mm	1600mm	2000mm	90kN
CL-130	110-130mm	1750mm	2150mm	110kN
CL-150	130-150mm	2100mm	2400mm	140kN

### Unilateral Cable Pulling Grip

- ▲ Cable head can be passed out, and the cable is easy to install and connect
- ▲ Suitable for mid-length cable traction, towing



Model	Dia. Range	Mesh Length	Total Length	Breaking
SL-9	7-9mm	220mm	350mm	2kN
SL-12	9-12mm	450mm	650mm	3.5kN
SL-14	12-14mm	450mm	650mm	4.5kN
SL-18	15-18mm	550mm	850mm	12kN
SL-25	18-25mm	650mm	950mm	16kN
SL-37	25-37mm	800mm	1200mm	18kN
SL-50	37-50mm	850mm	1300mm	36kN
SL-63	50-63mm	900mm	1400mm	48kN
SL-75	63-75mm	1050mm	1600mm	60kN
SL-90	75-90mm	1250mm	1800mm	75kN
SL-110	90-110mm	1500mm	2100mm	96kN
SL-130	110-130mm	1650mm	2250mm	110kN
SL-150	130-150mm	2000mm	2500mm	145kN

### Double Eyes Cable Pulling Grip

- ▲ Cables can be passed through the middle of the mesh, so that to be protected



Model	Dia. Range	Mesh Length	Total Length	Breaking
DL-14	12-14mm	450mm	650mm	4.5kN
DL-18	15-18mm	550mm	850mm	12kN
DL-25	18-25mm	650mm	950mm	16kN
DL-37	25-37mm	800mm	1200mm	18kN
DL-50	37-50mm	850mm	1300mm	35kN
DL-63	50-63mm	900mm	1400mm	48kN
DL-75	63-75mm	1050mm	1600mm	60kN
DL-90	75-90mm	1250mm	1800mm	70kN
DL-110	90-110mm	1500mm	2100mm	95kN
DL-130	110-130mm	1650mm	2250mm	110kN
DL-150	130-150mm	2000mm	2500mm	145kN

### Rotation Cable Pulling Grip

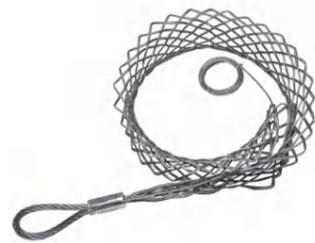
- ▲ The head can be rotated to release the torsion of the cable or wire rope when pulling the cable



Model	Dia. Range	Mesh Length	Total Length	Breaking
RL-18	15-18mm	650mm	750mm	10kN
RL-25	18-25mm	750mm	850mm	15kN
RL-37	25-37mm	900mm	1100mm	18kN
RL-50	37-50mm	950mm	1200mm	35kN
RL-63	50-63mm	1000mm	1300mm	45kN
RL-75	63-75mm	1150mm	1500mm	60kN
RL-90	75-90mm	1350mm	1700mm	70kN
RL-110	90-110mm	1600mm	2000mm	90kN

### Single Side Pull Wrap Cable Pulling Grip

- ▲ Can be set in any position of the cable. When using, open the net cover to pull the cable part, and then use the traction rope that comes with the net cover to wear the holes one by one like wearing shoes



Model	Dia. Range	Mesh Length	Total Length	Breaking
SW-14	12-14mm	450mm	650mm	5kN
SW-18	15-18mm	550mm	850mm	10kN
SW-25	18-25mm	650mm	950mm	15kN
SW-37	25-37mm	800mm	1200mm	18kN
SW-50	37-50mm	850mm	1300mm	35kN
SW-63	50-63mm	900mm	1400mm	45kN
SW-75	63-75mm	1050mm	1600mm	60kN
SW-90	75-90mm	1250mm	1800mm	70kN
SW-110	90-110mm	1500mm	2100mm	90kN
SW-130	110-130mm	1650mm	2250mm	110kN
SW-150	130-150mm	2000mm	2500mm	140kN

### Double Sides Pull Wrap Cable Pulling Grip

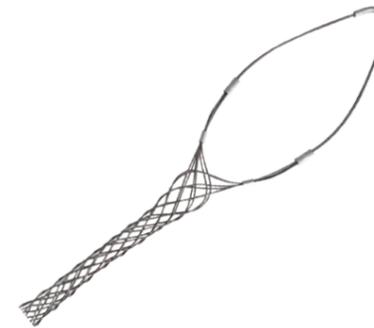
- ▲ Can be set in any position of the cable. When using, open the net cover to pull the cable part, and then use the traction rope that comes with the net cover to wear the holes one by one like wearing shoes



Model	Dia. Range	Mesh Length	Total Length	Breaking
DW-14	12-14mm	450mm	650mm	5kN
DW-18	15-18mm	550mm	850mm	10kN
DW-25	18-25mm	650mm	950mm	15kN
DW-37	25-37mm	800mm	1200mm	18kN
DW-50	37-50mm	850mm	1300mm	35kN
DW-63	50-63mm	900mm	1400mm	45kN
DW-75	63-75mm	1050mm	1600mm	60kN
DW-90	75-90mm	1250mm	1800mm	70kN
DW-110	90-110mm	1500mm	2100mm	90kN
DW-130	110-130mm	1650mm	2250mm	110kN
DW-150	130-150mm	2000mm	2500mm	140kN

### Feeder Cable Hoisting Grip

- ▲ Suitable for traction and fixing of large lamp column and signal tower



Model	Dia. Range	Mesh Length	Total Length	Breaking
FHL-9	7-9mm	200mm	400mm	220kN
FHL-12	9-12mm	220mm	420mm	350kN
FHL-14	12-14mm	220mm	420mm	350kN
FHL-18	15-18mm	260mm	500mm	420kN
FHL-25	18-25mm	310mm	550mm	580kN
FHL-30	25-30mm	360mm	600mm	700kN
FHL-35	30-35mm	400mm	650mm	800kN

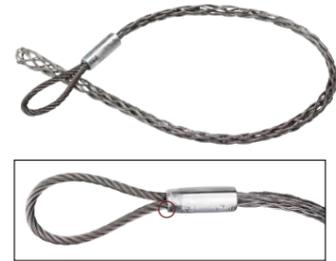
### Terminal Cable Pulling Grip



Model	Dia. Range	Mesh Length	Total Length	Breaking
TL-10	7.6-10.9mm	120.6mm	170mm	100kN
TL-14	10.1-14.2mm	152.4mm	203mm	120kN
TL-18	13.2-18.5mm	177.8mm	230mm	140kN
TL-21	17.8-21.6mm	215.9mm	270mm	160kN
TL-25	20.8-25.4mm	215.9mm	270mm	180kN
TL-31	23.9-31.8mm	266.7mm	320mm	200kN

### Closed Cable Pulling Grip With Taper Aluminium Sleeve

▲ The wire rope is of high flexibility and high elasticity, so cable is easier to pass through the bend. Made of 304 stainless steel, corrosion resistance, long life. The custom tapered aluminum sleeve is unique.



CLZ Series

Taper aluminium sleeve

Model	Dia. Range	Mesh Length	Total Length	Rated Tension Force
CLZ-15	10-15mm	550mm	650mm	10.0kN
CLZ-18	15-18mm	650mm	750mm	10.0kN
CLZ-25	18-25mm	750mm	850mm	15.0kN
CLZ-37	25-37mm	900mm	1100mm	18.0kN
CLZ-50	37-50mm	950mm	1200mm	35.0kN
CLZ-63	50-63mm	1000mm	1300mm	45.0kN
CLZ-75	63-75mm	1150mm	1500mm	60.0kN
CLZ-90	75-90mm	1350mm	1700mm	70.0kN
CLZ-110	90-110mm	1600mm	2000mm	90.0kN

### High Voltage Cable Pulling Grip With Taper Aluminium Sleeve

▲ The mesh cover is made of 304 stainless steel wire rope, corrosion resistance, long life. The custom tapered aluminum sleeve is unique.



LLZ Series

Taper aluminium sleeve

Model	Dia. Range	Mesh Length	Total Length	Rated Tension Force
LLZ-15	10-15mm	550mm	650mm	10.0kN
LLZ-18	15-18mm	650mm	750mm	10.0kN
LLZ-25	18-25mm	750mm	850mm	15.0kN
LLZ-37	25-37mm	900mm	1100mm	18.0kN
LLZ-50	37-50mm	950mm	1200mm	35.0kN
LLZ-63	50-63mm	1000mm	1300mm	45.0kN
LLZ-75	63-75mm	1150mm	1500mm	60.0kN
LLZ-90	75-90mm	1350mm	1700mm	70.0kN
LLZ-110	90-110mm	1600mm	2000mm	90.0kN

### Three In One Closed Cable Pulling Grip With Taper Aluminium Sleeve

Made of 304 stainless steel, corrosion resistance, long life. The custom tapered aluminum sleeve is unique. The 3-in-1 design can be adapted for special situation.



CLZ3 Series



Taper aluminium sleeve

3-in-1 design

Model	Dia. Range	Mesh Length	Total Length	Rated Tension Force
CLZ3-20	15-20mm	650mm	750mm	10.0kN
CLZ3-25	18-25mm	750mm	850mm	15.0kN
CLZ3-37	25-37mm	900mm	1100mm	18.0kN
CLZ3-50	37-50mm	950mm	1200mm	35.0kN
CLZ3-63	50-63mm	1000mm	1300mm	45.0kN

### Three In One High Voltage Cable Pulling Grip With Taper Aluminium Sleeve

The mesh cover is made of 304 stainless steel wire rope, corrosion resistance, long life. The custom tapered aluminum sleeve is unique. The 3-in-1 design can be adapted for special situation.



LLZ3 Series



Taper aluminium sleeve, 3-in-1 design

Model	Dia. Range	Mesh Length	Total Length	Rated Tension Force
LLZ3-18	15-18mm	650mm	750mm	10.0kN
LLZ3-25	18-25mm	750mm	850mm	15.0kN
LLZ3-37	25-37mm	900mm	1100mm	18.0kN
LLZ3-50	37-50mm	950mm	1200mm	35.0kN
LLZ3-63	50-63mm	1000mm	1300mm	45.0kN

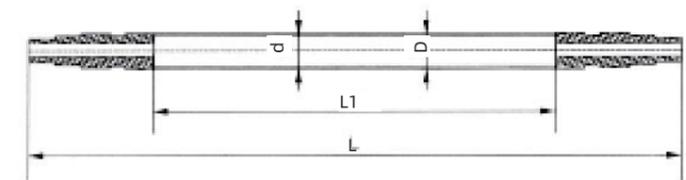
### Multiple Fission Conductor Lifer



Model	Rated Load	Groove Length	Weight	Remark
STF-2/12	2 x 12kN	120mm	13kg	Binary fission
STF-3/12	3 x 12kN	120mm	21kg	Trinary fission
STF-4/12	4 x 12kN	120mm	35kg	Quaternary fission
STF-6/25	6 x 25kN	160mm	70kg	Six fission
STF-8/25	8 x 25kN	160mm	120kg	Eight fission

### Splicing Sleeve Protector

- ▲ Apply to protecting wire pressure tube on ACSR releasing and make it avoid torsion accumulation when pass through pulleys
- ▲ Please indicate when the tube size is different from standards. The size can be made by customization



Model	Main Size(mm)				Applicable Conductor
	L	L1	D	d	
SJYB-240	850	530	Φ45	Φ38	ACSR240/55
SJYB-300	940	600	Φ51	Φ43	ACSR300/50
SJYB-400	995	655	Φ57	Φ47	ACSR400/50
SJYB-500	1080	740	Φ68	Φ56	ACSR500/65
SJYB-630	1180	800	Φ83	Φ63	ACSR630/55
SJYB-720	1180	800	Φ83	Φ63	ACSR720/50
SJYB-900	1190	816	Φ89	Φ73	ACSR900/75
SJYB-1000	1240	860	Φ89	Φ73	ACSR1000/80

## Duct Rodder

- ▲ Apply to underground conduits releasing
- ▲ Conduits length can be customized according to customer requirements

Model	Conduits Diameter	Conduits Length	Weight
SZC-1	Φ11mm	100~120m	31kg
SZC-2	Φ12mm	≤150m	37kg
SZC-3	Φ13mm	≤200m	45kg
SZC-4	Φ14mm	≤200m	54kg



## Anti-twisting Braided Steel Rope

- ▲ Instruction: steel rope length can be customized



Model	Structure	Nominal Dia.	Strand Dia.	Reference Weight (kg/100m)	Breaking Force	Standard Length
YL9-12X19W55	Hexagon X12 strands	9mm	2.0mm	26.69	55kN	1000m
YL11-12X19W80	Hexagon X12 strands	11mm	2.5mm	45.73	80kN	1000m
YL13-12X19W120	Hexagon X12 strands	13mm	3.0mm	57.96	120kN	1000m
YL16-12X19W158	Hexagon X12 strands	16mm	3.5mm	82.80	158kN	1000m
YL18-12X19W210	Hexagon X12 strands	18mm	4.0mm	103.82	210kN	1000m
YL20-12XT25Fi250	Hexagon X12 strands	20mm	4.5mm	129.62	250kN	800m
YL22-12XT25Fi320	Hexagon X12 strands	22mm	4.8mm	147.88	320kN	800m
YL24-12XT25Fi360	Hexagon X12 strands	24mm	5.0-5.2mm	160.23	360kN	800m
YL26-12XT25Fi420	Hexagon X12 strands	26mm	5.5-5.6mm	193.71	420kN	700m
YL28-12XT29Fi480	Hexagon X12 strands	28mm	6.0mm	230.50	480kN	500m
YL30-12XT29Fi540	Hexagon X12 strands	30mm	6.5mm	272.04	540kN	500m
YL20-18X19W300	Hexagon X18 strands	20mm	4.0mm	159.80	300kN	800m
YL22-18XT25Fi389	Hexagon X18 strands	22mm	4.2mm	189.80	389kN	800m
YL24-18XT25Fi440	Hexagon X18 strands	24mm	4.8mm	216.20	440kN	800m
YL26-18XT25Fi480	Hexagon X18 strands	26mm	5.2mm	276.80	480kN	700m
YL28-18XT29Fi540	Hexagon X18 strands	28mm	5.6mm	301.20	540kN	500m
YL30-18XT29Fi650	Hexagon X18 strands	30mm	5.6mm	361.60	650kN	500m
YL32-18XT29Fi780	Hexagon X18 strands	32mm	6.0mm	423.00	780kN	500m

## Steel Wire Rope Hand Wrenching Tackle Block

- ▲ Apply to tower erecting and cable erecting or tensioning

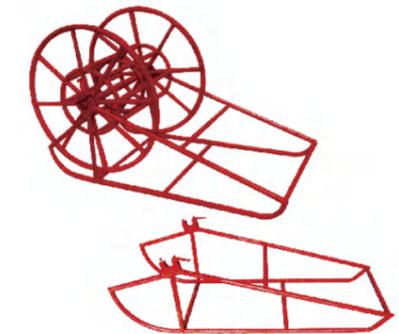


Model	Rated Load	Load Forward		Steel Wire Rope Diameter	Weight	
		Hand Wrenching at The Rate Load	Once Journey		Machining	Rop
SXG-8	8kN	284	≥52	Φ8.3mm	8.5kg	7.5kg
SXG-16	16kN	412	≥55	Φ11mm	15.5kg	11.0kg
SXG-32	32kN	441	≥28	Φ16mm	28.0kg	21.0kg

## Steel Rope Reel Stand

- ▲ Apply to loading steel rope

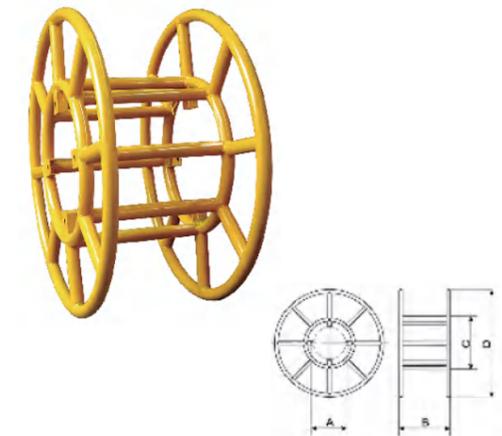
Model	Reel Stand Dimension	Weight	
		Reel	Stand
SRG-1	Φ480 x Φ220 x Φ340mm	13kg	12kg
SRG-2	Φ720 x Φ400 x Φ640mm	30kg	16kg
SRG-3	Φ850 x Φ400 x Φ640mm	40kg	16kg
SRG-4	Φ950 x Φ400 x Φ640mm	50kg	20kg
SRG-5	Φ1100 x Φ400 x Φ640mm	55kg	30kg
SRG-6	Φ1200 x Φ400 x Φ640mm	59kg	39kg



## Hydraulic Puller Dedicated Steel Rope Reel Stand

- ▲ Hydraulic puller dedicated steel rope reel stand apply to international standard

Model	Dimension (mm)				Internal Width	Weight
	A	B	C	D		
SRQ-1	420	560	570	850	450mm	40kg
SRQ-2	420	560	570	1100	450mm	65kg
SRQ-3	420	560	570	1250	450mm	75kg
SRQ-4	420	560 <td 570	1400	450mm	91kg	
SRQ-5	420	560	570	1600	450mm	120kg
SRQ-6	420	560	570	1900	450mm	135kg



**SBT-3A SBT-5A**  
**Adjustable Hydraulic Cable Drum Stand**

▲ Cable drum stand is high quality alloy steel, light and durable



Model	SBT-3A	SBT-5A
Max Axis Height	1100mm	1300mm
Rated Load	30kN	50kN
Weight	50kg	60kg

**SI-5 SI-10 SI-15**  
**Hydraulic Cable Drum Stand With Brake**

- ▲ Equipped with disc brake, which can be used to prevent the cable drum from rotating during shutdown
- ▲ Use hydraulic lifting and latch positioning
- ▲ Assembled structure, can be disassembled for transportation
- ▲ The bracket has casters for easy movement on site



Model	SI-5	SI-10	SI-15
Max Axis Height	1500mm	1700mm	1800mm
Rated Load	50kN	100kN	150kN
Weight	220kg	310kg	310kg

**SBT-5**  
**Mechanical Cable Drum Stand**

▲ The middle shaft core adopted bearing degree of seamless steel pipe



Model	SBT-5
Max Axis Height	1300mm
Rated Load	50kN
Weight	100kg

**SBT-10**  
**Hydraulic Cable Drum Stand**

▲ The middle shaft core adopted bearing degree of seamless steel pipe



Model	SBT-10
Max Axis Height	1500mm
Rated Load	100kN
Weight	160kg

**SBT-20**  
**Adjustable Hydraulic Cable Drum Stand**



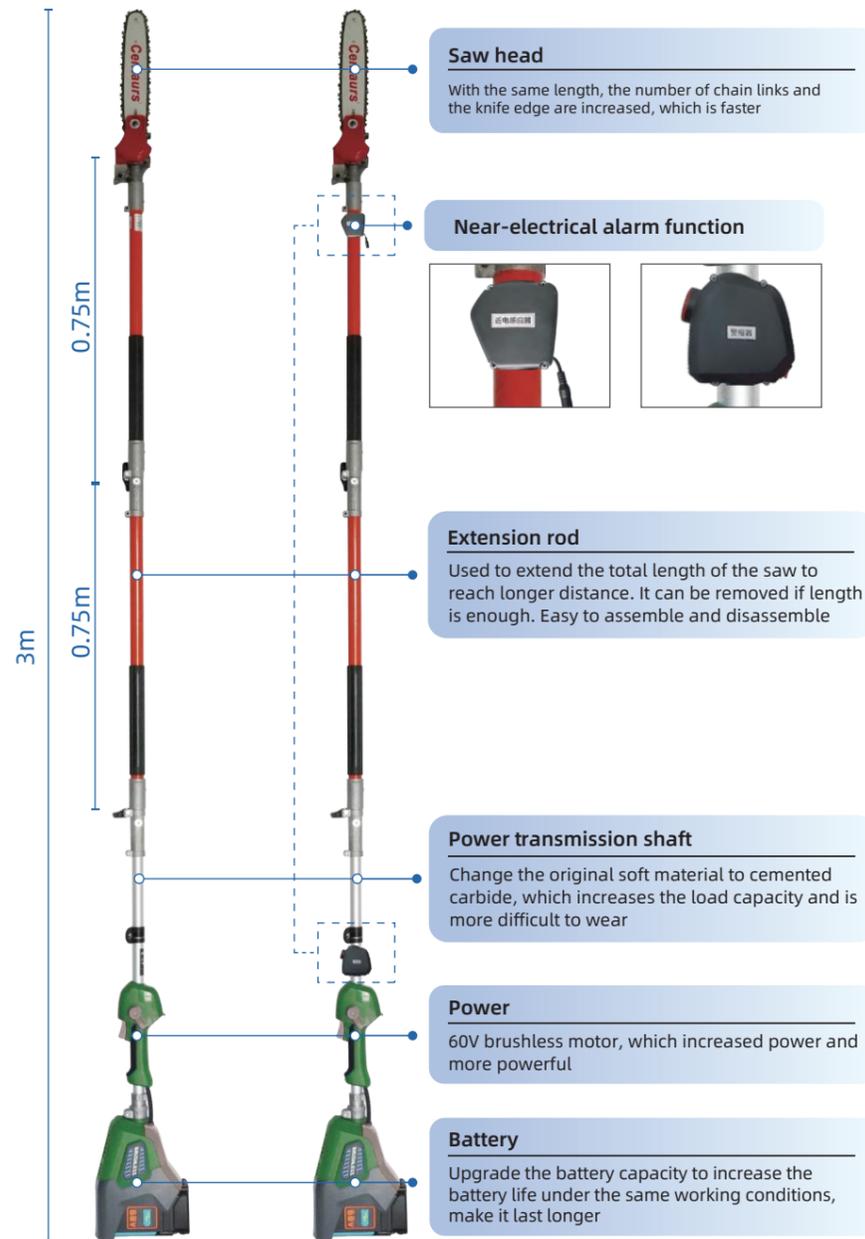
Model	SBT-20
Max Axis Height	1800mm
Rated Load	200kN
Weight	600kg

# Gardening Tools



## EPSJ6010LI-1 / EPSJ6010LI-2 Live Work Cleaning Saw

- 1 Can do live work with it. Equipped with an insulating operating rod, and has the type test and performance test report of the national authoritative department (Electrical Equipment Quality Inspection and Testing Center of the Power Industry)
- 2 Powered by rechargeable lithium battery
- 3 Safe and fast: suitable for various complex obstacle clearance, the transmission and operating rod parts are made of insulating materials, and have the type test and performance test report of the national authoritative testing department
- 4 Light and flexible: connecting parts of the whole machine are made of aviation aluminum. Transmission and operating rods are made of light and insulating epoxy resin, which makes the whole machine light and the operation more flexible
- 5 Quiet and environmentally friendly: powered by high-power lithium battery, which has the characteristics of strong power, low cost of use, cleanliness and quietness



Model	EPSJ6010LI-1 / EPSJ6010LI-2
Motor Voltage	60V
Cut Range	250mm (10")
Guide Bar Length	300mm (12")
Total Length	3m (2.25m length + 0.75m extension rod)
Battery Capacity	Li-ion battery 60V, 4.0Ah
Battery Weight	2kg
Total Weight	7.5kg
Applicable Voltage Rating	10-40kV
Withstand Voltage Test	45kV
Other Features	With near electrical alarm function (JYDG-2)

## ESP6010LI Lithium Battery Powered Pole Trimmer Saw

- ▲ High-performance brushless motor, large torque, low vibration and low noise
- ▲ Easy operation, easy maintenance, energy-saving and environment-friendly, adjustable speed, zero pollution, zero emission
- ▲ The operating handle is ergonomic and powered by removable lithium battery
- ▲ Adopt "OREGON" brand guide chain



Model	ESP6010LI
Rated Voltage	60V
Power	900-1500W
Rotating Speed	0-8000 rpm adjustable
Guide Plate Size	300mm (12")
Weight	6.8kg
Total Length	2.25m or 2.8m

## ECS6016LI Lithium Battery Powered Chain Saw

- ▲ High-performance brushless motor, large torque, low vibration and low noise
- ▲ Easy operation, easy maintenance, energy-saving and environment-friendly, adjustable speed, zero pollution, zero emission
- ▲ Powered by detachable lithium battery
- ▲ Double brake protection device, protective cover with brake design to ensure safety
- ▲ Adopt "OREGON" brand guide chain
- ▲ With LED lights, automatically turn on after booting



Model	ECS6016LI
Rated Voltage	60V
Rated Power	1500W
Maximum Power	2100W
Guide Plate Size	450mm (18")
Chain Pitch	3/8" / 9.525mm
Number of Link Bars	57 sections
Lubricating Oil Reservoir Capacity	190mL
Weight	6kg

# Hydraulic Puller and Tensioner Equipment

## SA-QY-50 Hydraulic Puller

- Mainly used for stringing and deployment of conductors, string ropes, OPGW, or AESS and other optical cables at 220kV and below
- Stringing and deployment for lines below 500kV

## SA-QY-80 Hydraulic Puller

- Mainly used for tension and deployment of conductors, string ropes, OPGW, or AESS and other optical cables at 220kV and below



	Model	SA-QY-50	SA-QY-80
Performance	Max intermittent pulling force	60kN	90kN
	Max continuous pulling force	50kN	80kN
	Corresponding speed	2.5km/h	2.5km/h
	Max continuous pulling speed	5km/h	5km/h
Structure	Corresponding pulling force	25kN	40kN
	Diameter of pulling wheel	450mm	540mm
	Max applicable wire rope diameter	18mm	21mm
	Electrical system	24V	24V
	Max wire drum diameter	1400mm	1400mm
	Vehicle weight	2830kg	3980kg
Main Configuration	Dimensions (L * W * H)	3260×2100×2000mm	4210×2250×2350mm
	Engine	Cummins/Weichai	Cummins/Weichai
	Main hydraulic pump	Rexroth/linde	Rexroth/linde
	Hydraulic motor	Rexroth	Rexroth
Optional	Reducer	Rexroth	Rexroth
	Digital control		
	Centralized control		
	IoT transmission function		
	Remote diagnosis system		
	Intelligent wiring system		

## SA-QY-150 Hydraulic Puller

- Mainly used for tension and deployment of conductors and string ropes at 500kV and below

## SA-QY-180 Hydraulic Puller

- Mainly used for tension and deployment of conductors and string ropes at 500kV and below



## SA-QY-250 Hydraulic Puller

- Mainly used for deployment of conductors and string ropes at 1000kV, ±800kV and below

## SA-QY-350 Hydraulic Puller

- Mainly used for tension and deployment of conductors and string ropes with large spans at 1000kV, ±800kV and below



	Model	SA-QY-150	SA-QY-180
Performance	Max intermittent pulling force	180kN	216kN
	Max continuous pulling force	150kN	180kN
	Corresponding speed	2.5km/h	2.5km/h
	Max continuous pulling speed	5km/h	5km/h
	Corresponding pulling force	75kN	90kN
Structure	Diameter of pulling wheel	750mm	750mm
	Max applicable wire rope diameter	30mm	30mm
	Electrical system	24V	24V
	Max wire drum diameter	1600mm	1600mm
	Vehicle weight	7500kg	8600kg
	Dimensions (L * W * H)	4680×2290×2600mm	4810×2290×2700mm
Main Configuration	Engine	Cummins/Weichai	Cummins/Weichai
	Main hydraulic pump	Rexroth/linde	Rexroth/linde
	Hydraulic motor	Rexroth	Rexroth
	Reducer	Rexroth	Rexroth
Optional	Digital control		
	Remote diagnosis system		
	Intelligent wiring system		
	Centralized control		
	IoT transmission function		

	Model	SA-QY-250	SA-QY-350
Performance	Max intermittent pulling force	280kN	380kN
	Max continuous pulling force	250kN	350kN
	Corresponding speed	2.5km/h	2.5km/h
	Max continuous pulling speed	5km/h	5km/h
	Corresponding pulling force	120kN	170kN
	Diameter of pulling wheel	960mm	960mm
Structure	Max applicable wire rope diameter	38mm	38mm
	Electrical system	24V	24V
	Max wire drum diameter	1600mm	1800mm
	Vehicle weight	16400kg	16000kg
	Dimensions (L * W * H)	5980×2300×2800mm	5990×2300×2800mm
	Engine	Cummins/Weichai	Cummins/Weichai
Main Configuration	Main hydraulic pump	Rexroth/linde	Rexroth/linde
	Hydraulic motor	Rexroth	Rexroth
	Reducer	Rexroth	Rexroth
Optional	Digital control		
	Remote diagnosis system		
	Intelligent wiring system		
	Centralized control		
	IoT transmission function		

## SA-ZY-2X40 Hydraulic Tensioner

- Mainly used for tension and deployment of conductors, string ropes, OPGW, or AEES and other optical cables with a cross-section of 500mm<sup>2</sup> and below

## SA-ZY-2X50 Hydraulic Tensioner

- Mainly used for tension and deployment of conductors and string ropes with a cross-section of 630mm<sup>2</sup> and below

## SA-ZY-2X60 Hydraulic Tensioner

- Mainly used for tension and deployment of conductors and string ropes with a cross-section of 1000mm<sup>2</sup> and below

## SA-ZY-2X80 Hydraulic Tensioner

- Mainly used for tension and deployment of conductors with a cross-section of 1250mm<sup>2</sup> and below



	Model	SA-ZY-2X40	SA-ZY-2X50
Performance	Max intermittent tension force	2×45kN or 1×90kN	2×60kN or 1×120kN
	Max continuous tension force	2×40kN or 1×80kN	2×50kN or 1×100kN
	Corresponding speed	2.5km/h	2.5km/h
	Max continuous pay-off speed	5km/h	5km/h
	Corresponding tension force	2×20kN or 1×40kN	2×25kN
	Max counter-pulling force	40kN	50kN
	Max continuous pulling speed	5km/h	4km/h
Structure	Tension wheel diameter	1500mm	1500mm
	Applicable max wire diameter	40mm	40mm
	Electrical system	24V	24V
	Hydraulic power output	Can connect to hydraulic wire tail car	Can connect to hydraulic wire tail car
	Vehicle weight	5350kg	6050kg
	Overall dimensions (L*W*H)	4520×2200×2550mm	4510×2200×2600mm
Main Configuration	Engine	Cummins/Weichai	Cummins/Weichai
	Main hydraulic pump	Rexroth/linde	Rexroth/linde
	Hydraulic motor	Rexroth	Rexroth
	Reducer	RR /Rexroth	RR /Rexroth
Optional	Digital control		
	Centralized control		
	IoT transmission function		
	Remote diagnosis system		

	Model	SA-ZY-2X60	SA-ZY-2X80
Performance	Max intermittent tension force	2×70kN or 1×140kN	2×100kN or 1×200kN
	Max continuous tension force	2×60kN or 1×120kN	2×80kN or 1×160kN
	Corresponding speed	2.5km/h	2.5km/h
	Max continuous pay-off speed	5km/h	5km/h
	Corresponding tension force	2×30kN or 1×60kN	2×40kN or 1×80kN
	Max counter-pulling force	2×60kN or 1×120kN	70kN
	Max continuous pulling speed	3km/h	3km/h
Structure	Tension wheel diameter	1700mm	1850mm
	Applicable max wire diameter	45mm	48.75mm
	Electrical system	24V	24V
	Hydraulic power output	Can connect to hydraulic wire tail car	Can connect to hydraulic wire tail car
	Vehicle weight	8100kg	9700kg
	Overall dimensions (L*W*H)	5090×2300×2700mm	5215×2300×2950mm
Main Configuration	Engine	Cummins/Weichai	Cummins/Weichai
	Main hydraulic pump	Rexroth/linde	Rexroth/linde
	Hydraulic motor	Rexroth	Rexroth
	Reducer	RR /Rexroth	RR /Rexroth
Optional	Digital control		
	Centralized control		
	IoT transmission function		
	Remote diagnosis system		

## SA-ZY-4X40 Hydraulic Tensioner

- Mainly used for tension and deployment of four-split conductors with a cross-section of 500mm<sup>2</sup> and below

## SA-ZY-4X60 Hydraulic Tensioner

- Mainly used for tension and deployment of conductors with a cross-section of 1000mm<sup>2</sup> and below



## SA-ZQY-40 Hydraulic Puller-Tensioner

- Mainly used for tension and deployment of conductors, traction ropes, OPGW, or AESS optical cables with a cross-section of 500mm<sup>2</sup> and below
- Traction operations for lines undergoing technological upgrades

## SA-ZQY-60 Hydraulic Puller-Tensioner

- Mainly used for tension and deployment of conductors and traction ropes with a cross-section of 630mm<sup>2</sup> and below
- Traction operations for lines undergoing technological upgrades



	Model	SA-ZY-4X40	SA-ZY-4X60
Performance	Max intermittent tension force	4×50kN or 2×100kN	4×70kN or 2×140kN
	Max continuous tension force	4×40kN or 2×80kN	4×60kN or 2×120kN
	Corresponding speed	2.5km/h	2.5km/h
	Max continuous pay-off speed	5km/h	5km/h
	Corresponding tension force	4×20kN or 2×40kN	4×30kN or 2×60kN
	Max counter-pulling force	35kN	60kN
	Max continuous pulling speed	3km/h	3km/h
Structure	Tension wheel diameter	1500mm	1700mm
	Applicable max wire diameter	40mm	45mm
	Electrical system	24V	24V
	Hydraulic power output	Can connect to hydraulic wire tail car	Can connect to hydraulic wire tail car
	Vehicle weight	11550kg	13400kg
Overall dimensions (L*W*H)	6710×2300×2650mm	6790×2300×2900mm	
Main Configuration	Engine	Cummins/Weichai	Cummins/Weichai
	Main hydraulic pump	Rexroth/linde	Rexroth/linde
	Hydraulic motor	Rexroth	Rexroth
	Reducer	RR /Rexroth	RR /Rexroth
Optional	Digital control		
	Centralized control		
	IoT transmission function		
	Remote diagnosis system		

	Model	SA-ZQY-40	SA-ZQY-60
Performance	Max intermittent tension force	45kN	70kN
	Max continuous tension force	40kN	60kN
	Corresponding speed	2.5km/h	2.5km/h
	Max continuous pay-off speed	5km/h	5km/h
	Corresponding tension force	20kN	30kN
	Max counter-pulling force	40kN	50kN
	Max continuous pulling speed	5km/h	5km/h
Structure	Tension wheel diameter	1500mm	1500mm
	Applicable max wire diameter	40mm	40mm
	Electrical system	24V	24V
	Vehicle weight	3060kg	4060kg
	Overall dimensions (L*W*H)	4430×2000×2500mm	4210×2250×2500mm
Main Configuration	Engine	Cummins/Weichai	Cummins/Weichai
	Main hydraulic pump	Rexroth/linde	Rexroth/linde
	Hydraulic motor	Rexroth	Rexroth
	Reducer	RR /Rexroth	RR /Rexroth
Optional	Digital control		
	Centralized control		
	IoT transmission function		
	Remote diagnosis system		
	Clamp function		

## SA-ZQY-2X40 Hydraulic Puller-Tensioner

- Mainly used for tension and deployment of conductors, string ropes, OPGW, or AESS and other optical cables with a cross-section of 500mm<sup>2</sup> and below, as well as pulling operations for lines undergoing technological upgrades

## SA-ZQY-2X50 Hydraulic Puller-Tensioner

- Mainly used for tension and deployment of conductors and string ropes with a cross-section of 630mm<sup>2</sup> and below, as well as pulling operations for lines undergoing technological upgrades



## SA-ZQY-2X60 Hydraulic Puller-Tensioner

- Mainly used for tension and deployment of conductors and string ropes with a cross-section of 900mm<sup>2</sup> and below, as well as pulling operations for lines undergoing technological upgrades

## SA-ZQY-2X90 Hydraulic Puller-Tensioner

- Mainly used for tension and deployment of conductors and string ropes with a cross-section of 1000mm<sup>2</sup> and below, as well as pulling operations for lines undergoing technological upgrades



	Model	SA-ZQY-2X40	SA-ZQY-2X50
Performance	Max intermittent tension force	2×45kN or 1×90kN	2×60kN or 1×120kN
	Max continuous tension force	2×40kN or 1×80kN	2×50kN or 1×100kN
	Corresponding speed	2.5km/h	2.5km/h
	Max continuous pay-off speed	5km/h	5km/h
	Corresponding tension force	2×20kN or 1×40kN	2×25kN or 1×50kN
	Max intermittent pulling force	2×45kN or 1×90kN	2×55kN or 1×110kN
	Max continuous pulling force	2×40kN or 1×80kN	2×50kN or 1×100kN
	Corresponding pulling speed		2.5km/h
	Max continuous counter-pulling force		5km/h
	Corresponding pulling force		2×25kN or 1×50kN
Structure	Tension wheel diameter	1500mm	1500mm
	Applicable max wire diameter	40mm	40mm
	Electrical system	24V	24V
	Hydraulic power output	Can connect to hydraulic wire tail car	Can connect to hydraulic wire tail car
	Vehicle weight	6560kg	7000kg
	Overall dimensions (L*W*H)	4680×2200×2550mm	47150×2200×2600mm
Main Configuration	Engine	Cummins/Weichai	Cummins/Weichai
	Main hydraulic pump	Rexroth/linde	Rexroth/linde
	Hydraulic motor	Rexroth	Rexroth
	Reducer	RR /Rexroth	RR /Rexroth
Optional	Digital control		
	Centralized control		
	IoT transmission function		
	Remote diagnosis system		
	Clamp function		

	Model	SA-ZQY-2X60	SA-ZQY-2X90
Performance	Max intermittent tension force	2×70kN or 1×140kN	2×100kN or 1×200kN
	Max continuous tension force	2×60kN or 1×120kN	2×90kN or 1×180kN
	Corresponding speed	2.5km/h	2.5km/h
	Max continuous pay-off speed	5km/h	5km/h
	Corresponding tension force	2×30kN or 1×60kN	2×45kN or 1×90kN
	Max intermittent pulling force	2×70kN or 1×140kN	2×100kN or 1×200kN
	Max continuous pulling force	2×60kN or 1×120kN	2×90kN or 1×180kN
	Corresponding pulling speed	2.5km/h	2.2km/h
	Max continuous counter-pulling force	5km/h	5km/h
	Corresponding pulling force	2×30kN or 1×60kN	2×40kN or 1×80kN
Structure	Tension wheel diameter	1600mm	1700mm
	Applicable max wire diameter	40mm	45mm
	Electrical system	24V	24V
	Hydraulic power output	Can connect to hydraulic wire tail car	Can connect to hydraulic wire tail car
	Vehicle weight	9400kg	11080kg
	Overall dimensions (L*W*H)	5690×2300×2700mm	5990×2300×2700mm
Main Configuration	Engine	Cummins/Weichai	Cummins/Weichai
	Main hydraulic pump	Rexroth/linde	Rexroth/linde
	Hydraulic motor	Rexroth	Rexroth
	Reducer	RR /Rexroth	RR /Rexroth
Optional	Digital control		
	Centralized control		
	IoT transmission function		
	Remote diagnosis system		
	Clamp function		

## Sightseeing Cable Car Installation Equipment

Auxiliary Equipment for Power Grid Construction

- Mainly used for installing support cables of aerial sightseeing cable cars, capable of tension and deployment support cables in various terrains such as mountainous and hilly areas
- Advanced technical performance, strong adaptability to terrain, high level of intelligence, and convenient and quick operation



Sightseeing Cable Car Installation Equipment		
Performance	Max intermittent tension force	100kN
	Max continuous tension force	80kN
	Corresponding speed	5km/h
	Max continuous pay-off speed	5km/h
	Corresponding tension force	40kN
	Max counter-pulling force	40kN
	Max counter-pulling speed	3km/h
	Structure	Tension wheel diameter
Wheel groove		6×75
Applicable max cable diameter		70mm
Electrical system		12V
Overall dimensions (L*W*H)		4600×2100×2600mm
Main Configuration	Engine	Cummins/Weichai
	Main hydraulic pump	Rexroth/linde
	Hydraulic motor	Rexroth
	Reducer	Bonfiglioli
Optional	Digital control	
	IoT transmission function	
	Remote diagnosis system	

## Hydraulic Winch

Auxiliary Equipment for Power Grid Construction

- Equipped with pull and tension preset functions and digital display of equipment parameters
- An intelligent, digital control system with both wireless remote control and mechanical dual control systems is adopted, enabling human-machine separation for safer usage
- Equipped with an IoT module, allowing for viewing of device location and all equipment parameters, and with real-time monitoring and storage functions. The winch has a split structure, easy for transportation



Hydraulic Winch		
Performance	Max pulling force	60kN
	Rated pulling force	50kN
	Rated pulling speed	8m/min
	Common speed	16m/min
	Common pulling force	25kN
	Max tension force	25kN
	Rated tension force	20kN
	Max pay-off speed	16m/min
Structure	Pulling wheel diameter	300mm
	Wheel groove no.	6
	Groove spacing	38mm
	Applicable max pulling rope diameter	16.5mm
	Electrical system	12V
	Transmission system	Closed hydraulic transmission with control and cooling device
Main Configuration	Structure	Split type
	Engine	Gasoline engine
	Main hydraulic pump	International brand
	Hydraulic motor	International brand
Optional	Reducer	International brand
	Digital control	
	Centralized control	
	IoT transmission function	

# Hydraulic Puller and Tensioner Equipment

Electrical Construction Tools

## Centralized Control Box

Auxiliary Equipment for Power Grid Construction

- The centralized control box comes in two variants, one-control-one and one-control-two, both adaptable to pullers and tensioners of different capacities. It features four operating modes: puller control, tensioner control, parallel machine (control of multiple tensioners), and mutual control of pull and tension fields, meeting the operational requirements for pulling, tensioning, and mutual control of pull and tension fields, with functions nearly identical to the centralized control room
- The centralized control box connects to machines via cables and can automatically identify the type of connected machine, thereby activating the corresponding control buttons. For example, if a puller is connected, the control section for the puller module will be activated. Compared to the centralized control room, the centralized control box is smaller, does not require hoisting or vehicle transportation, is easier for operators to carry, and can be applied to a wider range of construction conditions



## Centralized Control Room

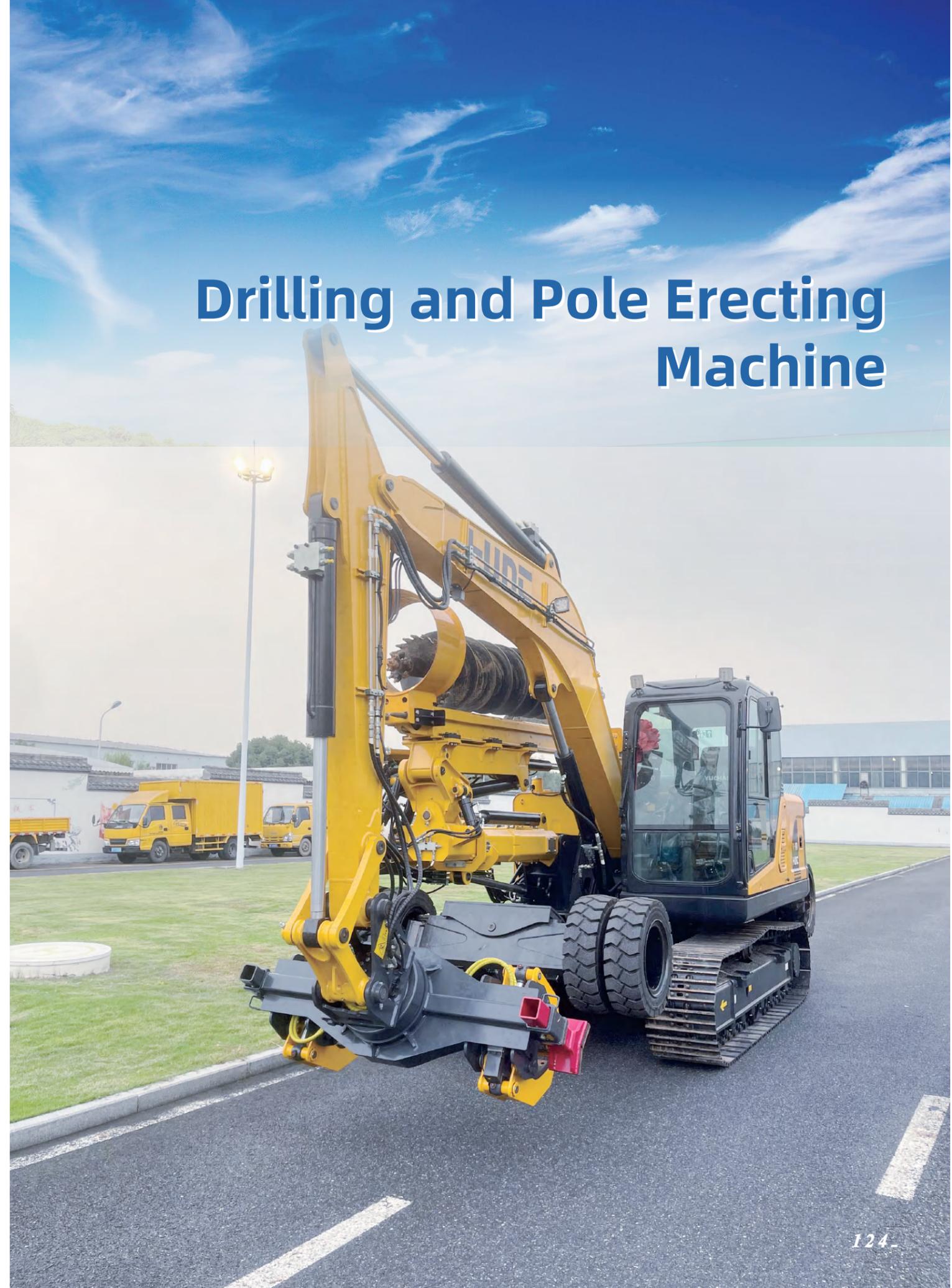
Auxiliary Equipment for Power Grid Construction

- The centralized control room serves as a universal control room for pull and tension fields, and its control system complies with the "Puller and Tensioner Equipment Control Protocol V1.4". The centralized control room is designed with four sets of puller and tensioner machine operation devices, capable of connecting to pullers and tensioners of any specification
- The centralized control room enables digital and intelligent control of puller and tensioner machines and data intercommunication and mutual control of puller and tensioner fields, effectively resolving issues related to coordinated synchronization and uniformity in multi-operator equipment during tension and deployment of lines, reducing the workload of operators and high-altitude workers, and lowering construction safety risks
- The centralized control room features heat insulation and noise reduction layers on all four walls, equipped with lighting, heating and cooling air conditioning, windows with retractable sunshades, video monitoring, and reserved 220VAC power supply. Equipped with a diesel generator set
- The centralized control room is connected to the main unit via a 30m cable and aviation plug for quick plug-and-play connections.
- The centralized control room and main unit use CAN bus technology for data transmission, ensuring electrical signals are free from attenuation and interference, meeting outdoor usage conditions
- The control system fully complies with the State Grid Electric Power Research Institute's requirements for intelligent and visualized equipment retrofitting and control



Inside the Centralized Control Room

# Drilling and Pole Erecting Machine



## MUL-1503i-II Drilling And Pole Erecting Machine



### Application

Applicable to the whole process of mechanized construction and pole erection of distribution network in complex environments such as hills, rice fields and plains



### Function

Excavation, drilling, transporting poles, erecting poles, tamping earth, etc.



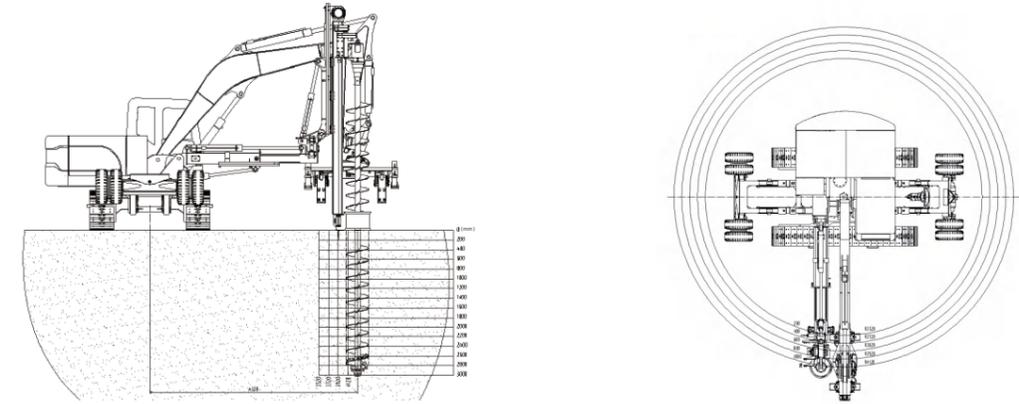
▲ This drilling and pole erecting machine is mainly composed of a special chassis, main arm, auxiliary arm, pole grabber, hydraulic system, electronic control system, etc. The all-terrain wheel-track integrated chassis can adapt to field hilly and rice field construction, and can also be transferred autonomously over short distances. It has patented guide rail spiral drilling technology and intelligent auxiliary control system, which completely solves the safety hazards of hoisting operations and backfill ramming quality problems in traditional pole erection.

▲ The main arm can dig and erect poles, working accessories can be quickly replaced. Pole erection is a visual intelligent operation. Pole erection gripper has an intelligent vertical adjustment function and a verticality monitoring function. Operator can observe the verticality of pole through display screen, making operation simpler and safer.

▲ The auxiliary arm is rail-type high-torque drilling design, which can achieve drilling under different height differences. The tungsten alloy steel drill teeth have greatly improved cutting ability and wear resistance. Drill arm has been re-optimized and upgraded to effectively improve the drilling and excavation capabilities. Advanced sensing technology allows operators to grasp the hole depth and verticality in real time, which fully meets the distribution network construction process and operation safety requirements.

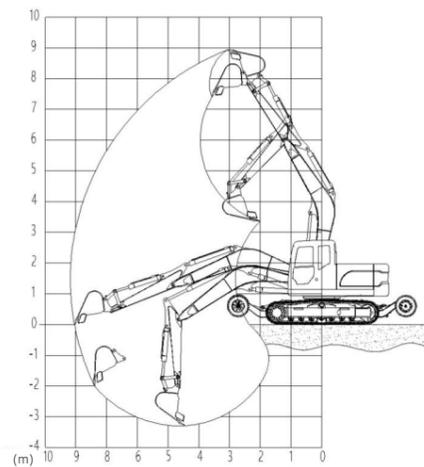
▲ On paved roads, tires are used for fast transfer, with a driving speed of >10Km/h. On unpaved roads, tracks are used for off-road driving, with a climbing ability of >70%.

### Drilling range diagram

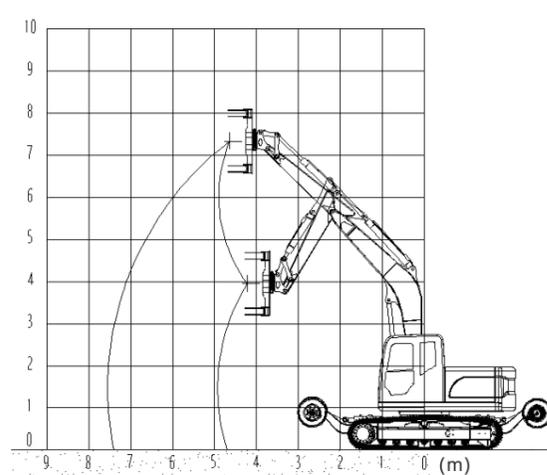


No.	Contents	Unit	Parameters
1	Engine Standards	/	National IV
2	Rated Power	kW	92
3	Lower track ground clearance (wheeled walking)	mm	200
4	Front/rear wheel ground clearance (tracked walking)	mm	500/500
5	Approach angle	(°)	20
6	Departure angle	(°)	20
7	Max operation range	mm	6500
8	Max drilling depth	mm	3000
9	Max drilling distance (from rotation center)	mm	4300
10	Spiral drill outer diameter	mm	Φ500
11	Tracked travel speed (high/low gear)	km/h	5/3
12	Wheeled travel speed (high/low gear)	km/h	15/9
13	Gradeability (tracked)	/	70%

### Excavation scope diagram



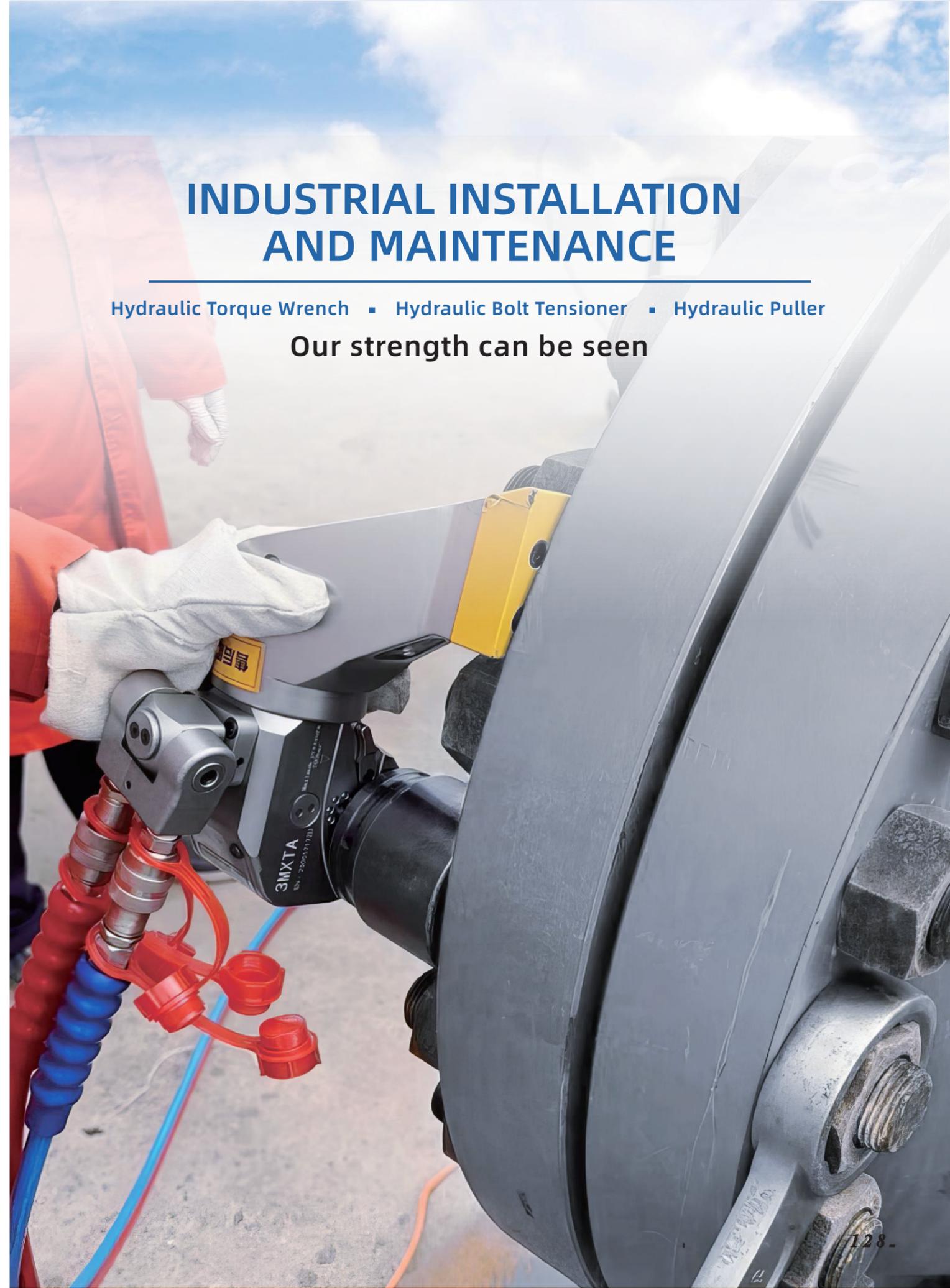
### Pole erection range diagram



# Drilling and Pole Erecting Machine

Electrical Construction Tools

Parameters	15m wheel-track integrated drilling and pole erecting machine	15m double arm tracked drilling and pole erecting machine	15m single arm tracked drilling and pole erecting machine	12m single arm tracked drilling and pole erecting machine	Multifunctional drilling and pole erecting machine
	MUL-1503i- II	SBLG-1503i- I	DBLG-1503- I	DBLG-1202- I	DGLG-1503- I
Size(mm)	9300x2680x3300	8400x2680x3300	10600x2680x3100	9400x2300x3150	8600x2680x3300
Weight(kg)	18,900	17,700	15,000	11,000	16,000
Rated Power(kW)	92	92	92	35.9	92
Emission standards	National IV	National IV	National IV	National IV	National IV
Chassis					
Wheel-track integrated/ Tracked	Wheel-track integrated	Tracked	Tracked	Tracked	Tracked
Arm					
Double/single	Double	Double	Single	Single	Single (attachments replaced available)
Drill arm					
Fixed rail drill/ Modular rail drill	Fixed	Fixed	Fixed	Fixed	Modular
Driving speed					
Wheeled driving(km/h)	12	-	-	-	-
Tracked driving(km/h)	4.8	4.8	4.8	4.3	4.8
Pole erection capacity					
Working radius(mm)	6500	6500	6500	5650	6500
Pole specifications (m/t)	15/2.3	15/2.3	15/2.3	12/1.5	15/2.3
Drilling capacity					
Drilling depth (m)	3	3	2.5	2.2	3
Drilling strength	Tightening coefficient: $F \geq 4.0$	Tightening coefficient: $F \geq 4.0$	Tightening coefficient: $F \geq 4.0$	Tightening coefficient: $F \geq 4.0$	Tightening coefficient: $F \geq 4.0$
	Drilling capacity: Class VI soil and rock	Drilling capacity: Class VI soil and rock	Drilling capacity: Class VI soil and rock	Drilling capacity: Class VI soil and rock	Drilling capacity: Class VI soil and rock
Drilling diameter (mm)	500	500	500	500	500
Control system					
Automatic vertical adjustment(when erecting)	Yes	Yes	Yes	Yes	Yes
Quick change system					
Quick change of attachments	Optional	Optional	-	-	Yes
Adaptable terrain					
All terrain/Plains/Roads	All terrain	All terrain	Plains / Roads	Plains / Roads	All terrain



## INDUSTRIAL INSTALLATION AND MAINTENANCE

Hydraulic Torque Wrench ■ Hydraulic Bolt Tensioner ■ Hydraulic Puller

Our strength can be seen

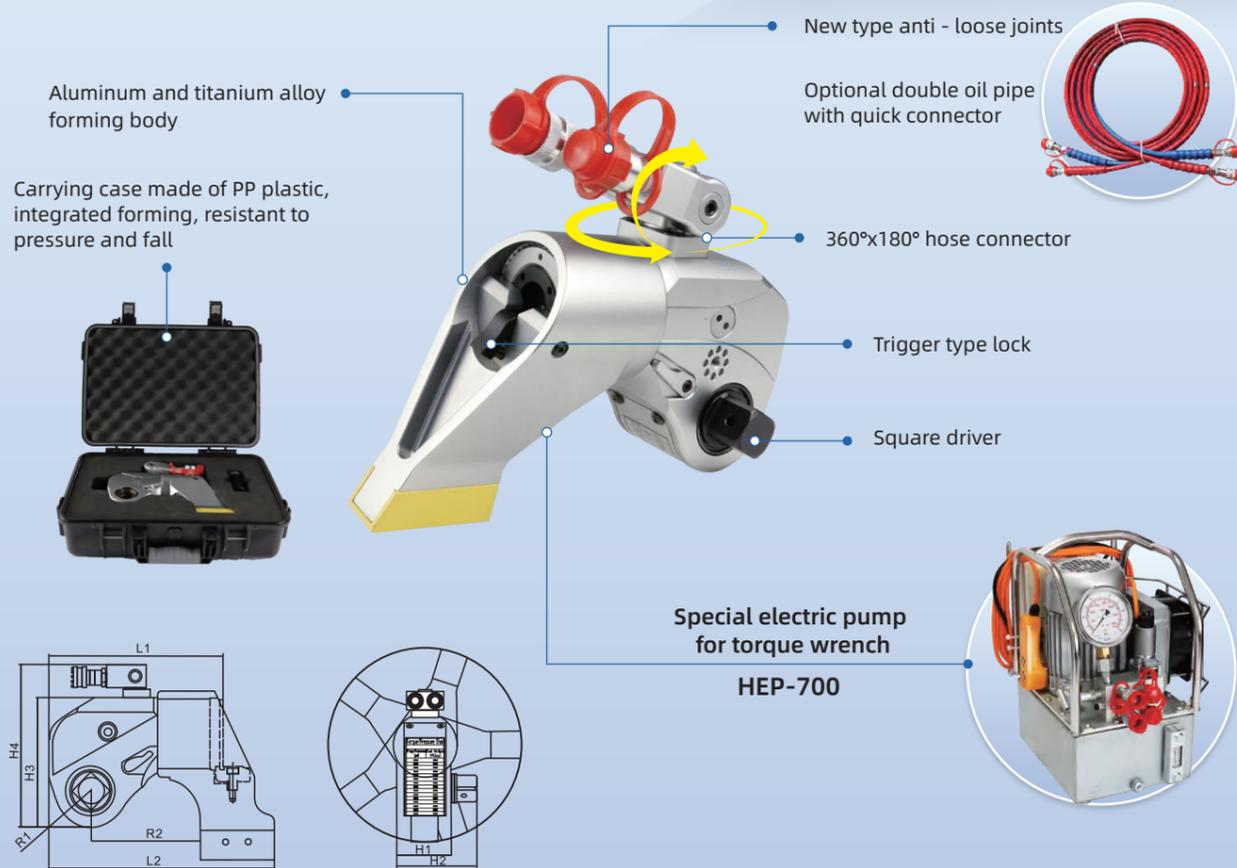
# MXTA Series of Driving Type Hydraulic Torque Wrench

- ▲ Max working pressure up to 70Mpa, accuracy up to ±3%
- ▲ Full range models from 112Nm to 72000Nm which can cover all size bolts in the market
- ▲ Hose connector rotates 360° x180°, used without limited space
- ▲ Square driver connects with high strength sockets, bolts used for a wide range of applications
- ▲ The trigger type lock can place the 360° fine-tuning type reaction arm on any fixed fulcrum
- ▲ Aluminum and titanium alloy forming body, high strength, high toughness
- ▲ New type anti-loose joints to ensure the oil flows smoothly



MXTA- wrench pressure & Torque -comparison table

Model	07MXTA	1MXTA	3MXTA	5MXTA	8MXTA	10MXTA	15MXTA	20MXTA	25MXTA	35MXTA	50MXTA
mpa	N.m	N.m	N.m	N.m	N.m	N.m	N.m	N.m	N.m	N.m	N.m
7	112	183	451	752	1078	1551	2062	2666	3472	4866	7200
8	128	209	515	860	1232	1773	2356	3047	3968	5561	8229
9	144	236	580	967	1386	1994	2651	3428	4464	6256	9257
10	160	262	644	1075	1540	2216	2946	3809	4960	6952	10286
11	176	288	709	1178	1694	2438	3240	4190	5456	7647	11314
12	192	314	773	1290	1848	2659	3535	4571	5952	8342	12343
13	208	341	838	1397	2002	2881	3829	4952	6448	9037	13371
14	224	367	902	1505	2156	3103	4124	5332	6945	9733	14400
15	240	393	967	1612	2310	3324	4419	5713	7441	10428	15429
16	256	419	1031	1720	2464	3546	4713	6094	7937	11123	16457
17	272	446	1096	1828	2618	3768	5008	6475	8433	11818	17486
18	288	472	1160	1935	2772	3989	5302	6856	8929	12514	18514
19	304	498	1225	2043	2926	4211	5597	7237	9425	13209	19543
20	320	524	1289	2150	3080	4433	5891	7618	9921	13904	20571
21	336	551	1353	2258	3234	4654	6186	7999	10417	14599	21600
22	352	577	1418	2365	3388	4876	6481	8380	10913	15295	22629
23	368	603	1482	2473	3542	5098	6775	8761	11409	15990	23657
24	384	629	1547	2580	3696	5319	7070	9142	11905	16685	24686
25	400	656	1611	2688	3850	5541	7364	9523	12401	17380	25714
26	416	682	1676	2796	4004	5763	7659	9903	12898	18076	26743
27	432	708	1740	2903	4158	5984	7953	10284	13394	18771	27771
28	448	734	1805	3011	4312	6206	8248	10665	13890	19466	28800
29	464	761	1869	3118	4466	6428	8543	11046	14386	20161	29829
30	480	787	1934	3226	4620	6649	8837	11427	14882	20856	30857
31	496	813	1998	3333	4774	6871	9132	11808	15378	21552	31886
32	512	839	2063	3441	4928	7093	9426	12189	15874	22247	32914
33	528	866	2127	3548	5082	7314	9721	12570	16370	22942	33943
34	544	892	2191	3656	5236	7536	10015	12951	16866	23637	34971
35	560	918	2256	3764	5390	7758	10310	13332	17362	24333	36000
36	576	944	2320	3871	5544	7979	10605	13713	17858	25028	37029
37	592	971	2385	3979	5698	8201	10899	14094	18354	25723	38057
38	608	997	2449	4086	5852	8423	11194	14475	18850	26418	39086
39	624	1023	2514	4194	6006	8644	11488	14855	19347	27114	40114
40	640	1049	2578	4301	6160	8866	11783	15236	19843	27809	41143
41	656	1076	2634	4409	6314	9088	12077	15617	20339	28504	42171
42	672	1102	2707	4516	6468	9309	12372	15998	20835	29199	43200
43	688	1128	2772	4624	6622	9531	12667	16379	21331	29895	44229
44	704	1154	2836	4732	6776	9753	12961	16760	21827	30590	45257
45	720	1181	2900	4839	6930	9974	13256	17141	22323	31285	46286
46	736	1207	2965	4947	7084	10196	13550	17522	22819	31980	47314
47	752	1233	3029	5054	7238	10418	13845	17903	23315	32676	48343
48	768	1259	3094	5162	7392	10639	14139	18284	23811	33371	49371
49	784	1286	3158	5269	7546	10861	14434	18665	24307	34066	50400
50	800	1312	3223	5377	7700	11083	14729	19046	24803	34761	51429
51	816	1338	3287	5484	7854	11304	15023	19427	25299	35456	52457
52	832	1364	3352	5592	8008	11526	15318	19807	25796	36152	53486
53	848	1391	3416	5700	8162	11748	15612	20188	26292	36847	54514
54	864	1417	3481	5807	8316	11969	15907	20569	26788	37542	55543
55	880	1443	3545	5915	8470	12191	16201	20950	27284	38237	56571
56	896	1469	3610	6022	8624	12413	16496	21331	27780	38933	57600
57	912	1496	3674	6130	8778	12634	16791	21712	28276	39628	58629
58	928	1522	3738	6237	8932	12856	17085	22093	28772	40323	59657
59	944	1548	3803	6345	9086	13078	17380	22474	29268	41018	60686
60	960	1574	3867	6452	9240	13299	17674	22855	29764	41714	61714
61	976	1601	3932	6560	9394	13521	17969	23236	30260	42409	62743
62	992	1627	3996	6668	9548	13743	18263	23617	30756	43104	63771
63	1008	1653	4061	6775	9702	13964	18558	23998	31252	43799	64800
64	1024	1679	4125	6883	9856	14186	18853	24378	31749	44495	65829
65	1040	1706	4190	6990	10010	14408	19147	24759	32245	45190	66857
66	1056	1732	4254	7098	10164	14629	19442	25140	32741	45885	67886
67	1072	1758	4319	7205	10318	14851	19736	25521	33237	46580	68914
68	1088	1784	4383	7313	10472	15073	20031	25902	33733	47276	69943
69	1104	1811	4448	7420	10626	15294	20325	26283	34229	47971	70971
70	1120	1837	4512	7528	10780	15516	20627	26664	34725	48666	72000



Model	Torque Range(N.m)	Bolt Spec.(M)	Weight(kg)	L1	L2	H1	H2	H3	H4	R1	R2	Drive Shaft
07 MXTA	112-1120	14-30	1.8	110.8	139.3	42	65.8	76.2	108.1	20.5	68.3	¾"
1 MXTA	183-1837	16-36	2	130	182	50	72	99	144	26	99	¾"
3 MXTA	451-4512	22-48	4	166	241	68	95	130	176	34	134	1"
5 MXTA	752-7528	27-56	7	198	281	80	123	155	198	39	152	1-½"
8 MXTA	1078-10780	30-64	9.1	213	308	90	130	171	216	47	171	1-½"
10 MXTA	1551-15516	36-72	13.1	231	336	100	141	187	230	51	174	1-½"
15 MXTA	2062-20627	39-80	18	270	400	110	179	201	244	55	195	2-½"
20 MXTA	2666-26664	42-90	25	295	443	120	182	228	268	59	250	2-½"
25 MXTA	3472-34725	48-100	31	314	464	137	200	255	295	67	251	2-½"
35 MXTA	4866-48666	64-120	45	355	489	153	217	290	330	79	271	2-½"
50 MXTA	7200-72000	72-125	85	386	516	161	223	307	352	81	259	2-½"

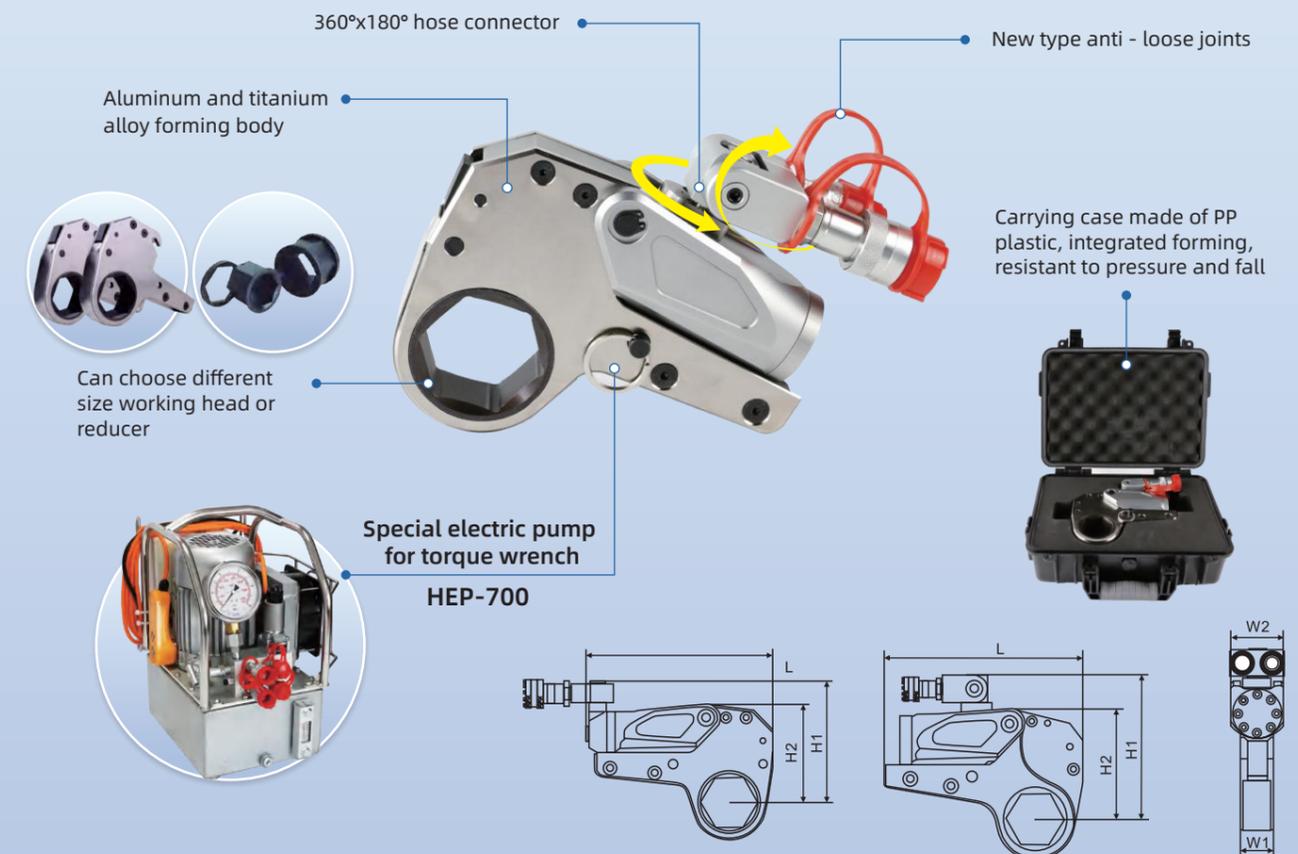
Notes: all kinds of special specifications of drive shafts, drive wheels and reaction arms can be customized.

### MXTA- wrench pressure & Torque -comparison table

Model	07MXTA	1MXTA	3MXTA	5MXTA	8MXTA	10MXTA	20MXTA	25MXTA	35MXTA	50MXTA
psi	ft.lbs									
1000	81	134	328	547	783	1127	1937	2523	3535	5230
1200	97	161	394	656	940	1352	2324	3028	4242	6276
1400	111	188	459	766	1096	1578	2712	3532	4949	7322
1600	130	215	525	875	1253	1803	3099	4037	5656	8368
1800	146	242	590	985	1409	2029	3487	4541	6363	9414
2000	162	268	656	1094	1566	2254	3874	5046	7070	10460
2200	179	295	721	1203	1723	2480	4261	5550	7777	11506
2400	195	322	787	1313	1879	2705	4649	6055	8485	12552
2600	211	349	852	1422	2036	2931	5036	6559	9192	13598
2800	228	376	918	1532	2193	3156	5424	7064	9899	14644
3000	244	403	984	1641	2349	3381	5811	7568	10606	15690
3200	260	430	1049	1750	2506	3607	6198	8073	11313	16736
3400	276	457	1115	1860	2662	3832	6586	8577	12020	17782
3600	293	483	1180	1969	2819	4058	6973	9082	12727	18828
3800	309	510	1246	2079	2976	4283	7361	9586	13434	19874
4000	325	537	1311	2188	3132	4509	7748	10091	14141	20920
4200	341	564	1377	2297	3289	4734	8135	10595	14848	21966
4400	358	591	1443	2407	3446	4959	8523	11100	15555	23012
4600	374	618	1508	2516	3602	5185	8910	11604	16262	24058
4800	390	645	1574	2626	3759	5410	9298	12109	16970	25104
5000	407	672	1639	2735	3915	5636	9685	12613	17677	26150
5200	423	698	1705	2844	4072	5861	10072	13118	18384	27196
5400	439	725	1770	2954	4229	6087	10460	13622	19091	28242
5600	455	752	1836	3063	4386	6312	10847	14127	19798	29288
5800	472	779	1901	3173	4542	6538	11235	14631	20505	30334
6000	488	806	1967	3282	4699	6763	11622	15136	21212	31380
6200	504	833	2033	3391	4855	6988	12009	15641	21919	32426
6400	521	860	2098	3501	5012	7214	12397	16145	22626	33472
6600	537	887	2164	3610	5168	7439	12781	16650	23333	34518
6800	553	914	2229	3720	5325	7665	13172	17154	24040	35564
7000	569	940	2295	3829	5482	7890	13559	17659	24747	36610
7200	586	967	2360	3938	5638	8116	13946	18163	25454	37656
7400	602	994	2426	4048	5795	8341	14334	18668	26162	38702
7600	618	1021	2491	4157	5951	8567	14721	19172	26869	39748
7800	635	1048	2557	4267	6108	8792	15109	19677	27576	40794
8000	651	1075	2623	4376	6265	9017	15496	20181	28283	41840
8200	667	1102	2688	4485	6421	9243	15883	20686	28990	42886
8400	683	1129	2754	4595	6578	9468	16271	21190	29697	43932
8600	700	1155	2819	4704	6735	9694	16658	21695	30404	44978
8800	716	1182	2885	4814	6891	9919	17046	22199	31111	46024
9000	732	1209	2950	4923	7048	10145	17433	22704	31818	47070
9200	748	1236	3016	5032	7204	10370	17820	23208	32525	48116
9400	765	1263	3082	5142	7361	10595	18208	23713	33232	49162
9600	781	1290	3147	5251	7518	10821	18595	24217	33939	50208
9800	797	1317	3213	5361	7674	11046	18983	24722	34647	51254
10000	811	1344	3278	5470	7831	11272	19370	25226	35354	52300

## LOW Series of Hollow Hydraulic Torque Wrench

- ▲ Max working pressure up to 70MPa, accuracy up to ±3%
- ▲ A total of six models from 232- 44593Nm
- ▲ 360°x180°and 360°x360°rotation hose connectors optional, used without limited space
- ▲ Integrated lengthen design, longer arm, reliability enhanced
- ▲ Aluminum and titanium alloy forming body, high strength, high toughness
- ▲ New type anti - loose joints to ensure the oil flows smoothly
- ▲ Anti-stop pawl design can prevent the wrench ratchet from reversing, higher work efficiency and torque accuracy
- ▲ Hollow design, wrench directly acts on the nut, more accurate torque and lighter



Model	Torque Range(N.m)	A/F(mm)	Drive Head Weight(kg)	Working Head Weight(kg)	L	H1	H2	W1	W2
2LOW	232-2328	19-55	0.9	1.5	196	126	102	32	51
	242-2414	60	0.9	1.5	196	129	105	32	51
4LOW	585-5858	34-65	1.7	3.4	258	163	136	42	66
	647-6474	70-80	1.7	3.4	263	173	146	42	66
8LOW	1094-10941	41-95	3.0	6.3	300	192	168	53	83
	1177-11774	100-105	3.1	6.3	311	201	177	53	83
14LOW	1852-18521	50-117	4.6	11.4	360	225	204	64	99
18LOW	2695-26958	65-130	6.5	14.3	388	264	231	71	109
30LOW	4188-41882	110-155	10.4	20.5	430	303	272	85	131
	4459-44593	160-175	10.4	20.5	441	315	285	85	131

Notes: all kinds of special specifications of drive shafts, drive wheels and reaction arms can be customized.

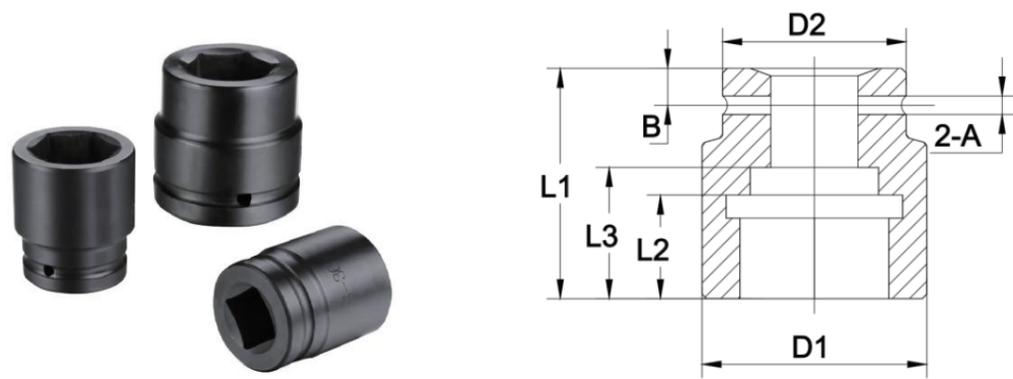
## LOW- wrench pressure & Torque -comparison table

Model A/F(mm)	2LOW		4LOW		8LOW		14LOW	18LOW	30LOW	
	19-55	60	34-65	70-80	41-95	100-105	50-117	65-130	110-155	150-175
Mpa	N.m	N.m	N.m	N.m	N.m	N.m	N.m	N.m	N.m	N.m
7	232	241	585	647	1094	1177	1852	2695	4188	4459
8	265	275	669	739	1250	1345	2117	3081	4786	5096
9	299	310	752	832	1407	1513	2381	3466	5385	5733
10	332	344	836	924	1563	1682	2646	3851	5983	6370
11	365	379	920	1017	1719	1850	2910	4236	6581	7007
12	398	413	1003	1109	1876	2018	3175	4621	7180	7644
13	432	448	1087	1202	2032	2186	3440	5006	7778	8281
14	465	482	1171	1294	2188	2354	3704	5392	8376	8918
15	498	517	1255	1387	2344	2523	3969	5777	8975	9555
16	531	551	1338	1479	2501	2691	4233	6162	9573	10192
17	565	586	1422	1572	2657	2859	4498	6547	10171	10829
18	598	620	1506	1664	2813	3027	4762	6932	10769	11467
19	631	655	1589	1757	2970	3195	5027	7317	11368	12104
20	665	689	1673	1849	3126	3364	5292	7702	11966	12741
21	698	724	1757	1942	3282	3532	5556	8087	12564	13378
22	731	758	1840	2034	3439	3700	5821	8473	13163	14015
23	764	793	1924	2127	3595	3868	6085	8858	13761	14652
24	798	827	2008	2219	3751	4037	6350	9243	14359	15289
25	831	862	2092	2312	3907	4205	6615	9628	14958	15926
26	864	896	2175	2404	4064	4373	6879	10013	15556	16563
27	897	931	2259	2497	4220	4541	7144	10398	16154	17200
28	931	965	2343	2589	4376	4709	7408	10783	16753	17837
29	964	1000	2426	2682	4533	4878	7673	11168	17351	18474
30	997	1034	2510	2774	4689	5046	7938	11553	17949	19111
31	1030	1069	2594	2867	4845	5214	8202	11939	18548	19748
32	1064	1103	2677	2959	5002	5382	8467	12324	19146	20385
33	1097	1138	2761	3052	5158	5550	8731	12709	19744	21022
34	1130	1172	2845	3144	5314	5719	8996	13094	20343	21659
36	1164	1207	2929	3237	5470	5887	9260	13864	20941	22296
36	1197	1241	3012	3329	5627	6055	9525	13864	21539	22933
37	1230	1276	3096	3422	5783	6223	9790	14249	22138	23570
38	1263	1310	3180	3514	5939	6391	10054	14634	22736	24207
39	1297	1345	3263	3607	6096	6560	10319	15019	23334	24845
40	1330	1379	3347	3699	6252	6728	10583	15405	23932	25482
41	1363	1414	3431	3792	6408	6896	10848	15790	24531	26119
42	1396	1448	3514	3884	6565	7064	11113	16175	25129	26756
43	1430	1483	3598	3977	6721	7232	11377	16560	25727	27393
44	1463	1517	3682	4069	6877	7401	11642	16945	26326	28030
45	1496	1552	3766	4162	7033	7569	11906	17330	26924	28667
46	1530	1586	3849	4254	7190	7737	12171	17715	27522	29304
47	1563	1621	3933	4347	7346	7905	12436	18100	28121	29941
48	1596	1655	4017	4439	7502	8073	12700	18485	28719	30578
49	1629	1690	4100	4532	7659	8242	12965	18871	29317	31215
50	1663	1724	4184	4624	7815	8410	13229	19256	29916	31852
51	1696	1759	4268	4717	7971	8578	13494	19641	30514	32489
52	1729	1793	4351	4809	8128	8746	13758	20026	31112	33126
53	1762	1828	4435	4902	8284	8914	14023	20411	31711	33763
54	1796	1862	4519	4994	8440	9083	14288	20796	32309	34400
55	1829	1897	4603	5087	8596	9251	14552	21181	32907	35037
56	1862	1931	4686	5179	8753	9419	14817	21566	33506	35674
57	1895	1966	4770	5272	8909	9587	15081	21952	34104	36311
58	1929	2000	4854	5364	9065	9756	15346	22337	34702	36948
59	1962	2035	4937	5457	9222	9924	15611	22722	35301	37585
60	1995	2069	5021	5549	9378	10092	15875	23107	35899	38223
61	2029	2104	5105	5642	9534	10260	16140	23492	36497	38860
62	2062	2138	5188	5734	9691	10428	16404	23877	37095	39497
63	2095	2173	5272	5827	9847	10597	16669	24262	37694	40134
64	2128	2207	5356	5919	10003	10765	16933	24647	38292	40771
65	2162	2242	5440	6012	10169	10933	17198	25032	38890	41408
66	2195	2276	5523	6104	10336	11101	17463	25418	39489	42045
67	2228	2311	5607	6197	10502	11269	17727	25803	40087	42682
68	2261	2345	5691	6289	10674	11438	17992	26188	40685	43319
69	2295	2380	5774	6382	10846	11606	18256	26573	41284	43956
70	2328	2414	5858	6474	11018	11774	18521	26958	41882	44593

## LOW- wrench pressure & Torque -comparison table

Model A/F(mm)	2LOW		4LOW		8LOW		14LOW	18LOW	30LOW	
	19-55	60	34-65	70-80	41-95	100-105	50-117	65-130	110-155	160-175
psi	ft.lbs	ft.lbs	ft.lbs	ft.lbs	ft.lbs	ft.lbs	ft.lbs	ft.lbs	ft.lbs	ft.lbs
1000	169	175	426	470	795	855	1346	1988	3043	3240
1200	203	210	511	564	954	1026	1615	2386	3652	3888
1400	237	245	596	658	1113	1197	1884	2784	4260	4536
1600	270	280	681	752	1272	1368	2153	3181	4869	5184
1800	304	315	766	846	1431	1539	2422	3579	5477	5832
2000	338	350	852	940	1590	1710	2692	3977	6086	6480
2200	372	385	937	1034	1749	1881	2961	4374	6694	7127
2400	406	421	1022	1128	1908	2052	3230	4772	7303	7775
2600	440	456	1107	1222	2067	2223	3499	5170	7911	8423
2800	473	491	1192	1317	2226	2395	3768	5568	8520	9071
3000	507	526	1277	1411	2385	2566	4037	5965	9128	9719
3200	541	561	1362	1505	2544	2737	4306	6363	9737	10367
3400	575	596	1447	1599	2703	2908	4575	6760	10345	11015
3600	609	631	1533	1693	2861	3079	4844	7158	10954	11663
3800	642	666	1618	1787	3020	3250	5113	7556	11562	12311
4000	676	701	1703	1881	3179	3421	5383	7954	12171	12959
4200	710	736	1788	1975	3338	3592	5652	8351	12779	13606
4400	744	771	1873	2069	3497	3763	5921	8749	13388	14254
4600	778	806	1958	2163	3656	3934	6190	9147	13996	14902
4800	812	842	2043	2257	3815	4105	6459	9544	14605	15550
5000	845	877	2128	2351	3974	4276	6728	9942	15213	16198
5200	879	912	2214	2445	4133	4447	6997	10340	15822	16846
5400	913	947	2299	2539	4292	4618	7266	10737	16430	17494
5600	947	982	2384	2633	4451	4789	7535	11135	17039	18142
5800	981	1017	2469	2727	4610	4960	7804	11533	17647	18790
6000	1015	1052	2554	2822	4769	5132	8074	11930	18256	19438
6200	1048	1087	2639	2916	4928	5303	8343	12328	18865	20085
6400	1082	1122	2724	3010	5087	5474	8612	12726	19473	20733
6600	1116	1157	2809	3104	5246	5645	8881	13123	20082	21381
6800	1150	1192	2894	3198	5405	5816	9150	13521	20690	22029
7000	1184	1227	2980	3292	5564	5987	9419	13919	21299	22677
7200	1217	1262	3065	3386	5723	6158	9688	14317	21907	23325
7400	1251	1298	3150	3480	5882	6329	9957	14714	22516	23973
7600	1285	1333	3235	3574	6041	6500	10226	15112	23124	24621
7800	1319	1368	3320	3668	6200	6671	10495	15509	23733	25269
8000	1353	1403	3405	3762	6359	6842	10765	15907	24341	25917
8200	1387	1438	3490	3856	6518	7013	11034	16305	24950	26564
8400	1420	1473	3575	3950	6677	7184	11303	16703	25558	27212
8600	1454	1508	3661	4044	6835	7355	11572	17100	26167	27860
8800	1488	1543	3746	4138	6994	7526	11841	17498	26775	28508
9000	1522	1578	3831	4232	7153	7697	12110	17895	27384	29156
9200	1556	1613	3916	4326	7312	7868	12379	18293	27992	29804
9400	1589	1648	4001	4421	7471	8040	12648	18691	28601	30452
9600	1623	1683	4086	4515	7630	8211	12917	19089	29209	31100
9800	1657	1719	4171	4609	7789	8382				

**Special Sockets for MXTA Series of Driving Type Hydraulic Torque Wrench (Cr-mo Sockets)**



Parameters of metric sockets

Thread Spec.	3/4"(MXTA)								1"(MXTA)								1"-1/2"(MXTA)								2"-1/2"(MXTA)							
	A/F	A	B	L1	L2	L3	D1	D2	A	B	L1	L2	L3	D1	D2	A	B	L1	L2	L3	D1	D2	A	B	L1	L2	L3	D1	D2			
M16	24	6.3	10	54	31	32	40	40																								
M18	27	6.3	10	54	32	32	42	42																								
M20	30	6.3	10	54	33	33	46	44	8	14	59	32	32	54	54																	
M22	34	6.3	10	54	33	33	52	44	8	14	59	32	32	58	58																	
M24	36	6.3	10	57	33	33	54	44	8	14	62	32	32	59	59	8	16	85	44	44	74	74										
M27	41	6.3	10	58	33	33	60	44	8	14	65	38	38	67	54	8	16	85	44	44	74	74										
M30	46	6.3	10	63	38	38	60	44	8	14	65	38	38	67	54	8	16	85	44	44	74	74										
M33	50	6.3	10	65	40	40	71	44	8	14	70	43	43	79	60	8	16	90	45	45	79	79										
M36	55	6.3	10	70	45	45	77	54	8	14	80	42	52	84	60	8	16	90	45	45	84	84	8	18	100	57	57	86	114			
M39	60								8	14	85	45	57	89	60	8	16	100	45	57	94	75	8	18	100	52	52	119	119			
M42	65								8	14	85	45	57	98	70	8	16	100	45	57	98	80	8	18	100	52	52	119	119			
M45	70								8	14	90	50	62	104	70	8	16	105	50	62	104	80	8	18	120	67	67	128	128			
M48	75								8	14	95	50	65	108	70	8	16	110	50	65	118	85	8	18	120	67	67	128	128			
M52	80								8	16	115	55	72	118	85	8	18	120	67	67	128	128										
M56	85								8	16	125	60	77	128	90	8	18	130	71	71	129	129										
M60	90								8	16	125	60	77	139	90	8	18	140	61	73	139	139										
M64	95								8	16	130	65	85	139	90	8	18	140	66	73	139	139										
M68	100								8	16	135	70	87	144	90	8	18	140	71	81	148	130										
M72	105								8	16	135	70	87	149	90	8	18	150	77	89	156	130										
M76	110								8	16	135	70	87	158	90	8	18	150	72	90	158	130										
M80	115								8	16	135	70	87	159	95	8	18	150	82	98	168	130										
M85	120								8	16	135	70	87	168	95	8	18	150	82	98	178	130										
M90	130								8	16	155	93	105	189	95	8	18	170	93	114	189	130										
M95	135								8	18	170	93	114	198	130																	
M100	145								8	18	170	98	122	210	152																	
M105	150								8	18	190	100	140	216	152																	
M110	155								8	18	190	100	140	229	152																	
M115	165								8	18	190	100	140	241	152																	

**LOW Working Head Series Hollow Hydraulic Torque Wrench Working Head**

Each type of LOW hollow torque wrench power has a set of working head corresponding to it, they cover this type of power head that can provide all sizes of bolts within the torque range. When selecting the appropriate working head for the bolt, note that the distance between the bolt and the wall is greater than the distance between the hexagonal edge of the working head and the outer edge of the working head. Pay special attention to whether there is enough space between bolt and bolt. The R and A in the following table can help you choose the right head.



**Interchangeable reducer**  
Interchangeable reducer cooperates with LOW series working head, so that a single working head can match multiple bolt size, which can greatly improve the adaptability of different conditions.



Standard working head selection table of hollow torque wrench

Bolt Dia.	A/F	2LOW		4LOW		8LOW		14LOW		18LOW		30LOW	
		R(mm)	A(mm)										
12	19	27	16										
14	22	27	14										
18	27	27	11										
20	30	29	12										
	32	29	11										
22	34	31	11	36	16								
24	36	31	10	36	15								
27	41	34	10	39	15	50	26						
30	46	37	10	42	15	50	23						
33	50	40	11	44	15	50	21	66	37				
36	55	43	11	46	14	50	18	66	34				
39	60	46	11	50	15	55	20	66	31				
42	65			53	15	55	17	66	28	62	23		
45	70			56	15	60	20	66	25	65	23		
48	75			59	15	60	17	66	22	67	22		
52	80			61	15	66	19	66	19	70	22		
56	85					66	16	72	22	72	23		
60	90					71	19	72	20	74	22		
64	95					71	16	77	22	77	23	89	34
68	100					78	20	77	19	79	22	89	31
72	105					78	17	83	22	82	23	89	38
76	110							83	19	84	22	89	25
80	115							87	20	89	24	95	28
	117							87	19	89	23	95	27
85	120									92	23	95	25
	125									95	23	104	32
90	130									98	23	104	29
95	135											104	26
	140											110	29
100	145											110	26
105	150											116	29
110	155											116	26
	160											128	36
115	165											128	33
120	170											128	30
	175											128	27

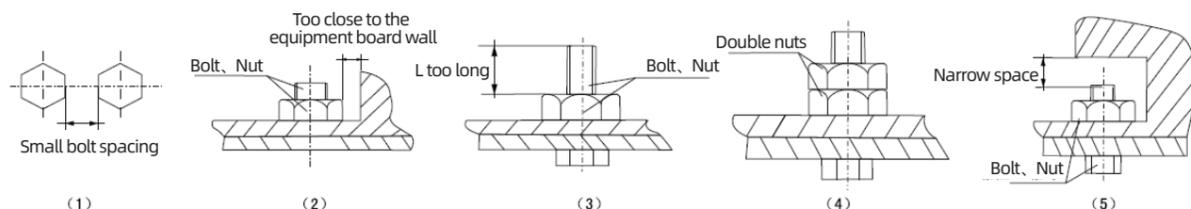
**Hydraulic Torque Wrench Select Bolt And Nut Maximum Torque Recommended Values Chart**

Strength grade		4.8		6.8		8.8		10.9		12.9	
Min breaking strength		392Mpa		588Mpa		784Mpa		941Mpa		1176Mpa	
Material		General structural steel		Mechanical structural steel		Cr-Mo alloy steel		Ni-Cr-Mo alloy steel		Ni-Cr-Mo alloy steel	
Bolt		Torque value		Torque value		Torque value		Torque value		Torque value	
M(mm)	A/F	KGM	N.m	KGM	N.m	KGM	N.m	KGM	N.m	KGM	N.m
14	22	7	69	10	98	14	137	17	165	23	225
16	24	10	98	14	137	21	206	25	247	36	363
18	27	14	137	21	206	39	284	35	341	49	480
20	30	18	176	28	296	41	402	58	569	69	680
22	34	23	225	34	333	55	539	78	765	93	911
24	36	32	314	48	470	70	686	100	981	120	1176
27	41	45	441	65	637	105	1029	150	1472	180	1764
30	46	60	588	90	882	125	1225	200	1962	240	2352
33	50	75	735	115	1127	150	1470	210	2060	250	2450
36	55	100	980	150	1470	180	1764	250	2453	300	2940
39	60	120	1176	180	1764	220	2156	300	2943	370	3626
42	65	155	1519	240	2352	280	2744	390	3826	470	4606
45	70	180	1764	280	2744	320	3136	450	4415	550	5390
48	75	230	2254	350	3430	400	3920	570	5592	680	6664
52	80	280	2744	420	4116	480	4704	670	6573	850	8330
56	85	360	3528	530	5149	610	5978	860	8437	1050	10290
60	90	410	4018	610	5978	790	7742	1100	10791	1350	13230
64	95	510	4998	760	7448	900	8820				
68	100	580	5684	870	8526	1100	10780				
72	105	660	6468	1000	9800	1290	12642				
76	110	750	7350	1100	10780	1500	14701				
80	115	830	8143	1250	12250	1850	18130				
85	120	900	8820	1400	13720	2250	22050				
90	130	1080	10584	1650	16170	2500	24500				
100	145	1400	13720	2050	20090						
110	155	1670	16366	2550	24990						
120	175	2030	19894	3050	29890						

- Above is the German industry standard, torque value in the chart is measured when the bolt reaches 90% of the yield limit.
- Suggested locking torque: the values in the chart x 90%. Eg.: the locking torque of M52, 8.8 grade bolts is 4704 x 90%=4233.6N.m
- Releasing torque is 1.5 to 2 times of locking torque. Eg.: the locking torque of the last example is 4233.6N.m, then its releasing torque is 4233.6 x (1.5 ~ 2) = 6350.4 ~ 8467.2N.m

**Spatial location considerations**

Due to a number of factors on the scene, pay attention to the position of working space when choose a wrench.



In the event similar to above situations, when the driving wrench cannot work properly, you can choose hollow hydraulic torque wrench.

**HTE Series Multi-stage Bolt Tensioner For Wind Power**

- ▲ With advantages of light, fast, efficient and accurate
- ▲ Small outside diameter with strong force, suitable to use in narrow spaces
- ▲ Spring automatic recovery, with over stroke protection, suitable for frequent use
- ▲ 700-1500 bar working pressure
- ▲ Can work with ultra-high pressure electric stretch pump



Model	Bolt Size (M)	A/F (S)	Stretch Force (kN)	Cylinder Area (mm <sup>2</sup> )	Stroke (mm)	Outside Diameter (mm)	Height (mm)	Pressure (MPa)
HTE-M30-FD14	30*4	46	656	4373	8	82	200	150
HTE-M36-FD1	36*4	55	741	4945	10	82.5	410	150
HTE-M36-FD2	36*4	55	741	4945	8	82.5	360	150
HTE-M36-FD3	36*4	55	741	5766	10	89.15	260	150
HTE-M36-FD4	36*4	55	741	4945	10	82.5	445	150
HTE-M36-FD6	36*4	55	865	5766	10	92	274	150
HTE-M36-FD10	36*4	55	741	4945	10	82.5	480	150
HTE-M36-FD11	36*4	55	741	4945	8	82.5	480	150
HTE-M36-FD13	36*4	55	662	4906	8	92	210	135
HTE-M36-FD17	36*4	55	741	4945	8	82.5	350	150
HTE-M36-FD19	36*4	55	925	6856	10	98	400	135
HTE-M39-FD9	39*4	55	845	5639	10	91	428	150
HTE-M42-FD7	42*4.5	65	965	6434	10	98	300	150
HTE-M45-FD15	45*4.5	70	1149	8513	10	112	279	135
HTE-M48-FD5	48*4.5	75	1277	8517	10	112	300	150
HTE-M52-FD18	52*5	80	2196	16269	12	122	314	135
HTE-M56-FD21	56*5.5	85	1543	11429	12	131	358	135
HTE-M64-FD16	64*6	95	2196	16269	12	148	350	135

## HEP-700 Special Electric Pump For Torque Wrench

- ▲ Three kinds of pressure, three kinds of flow output automatic switch, maximize efficiency
- ▲ Standard configuration drives two hydraulic wrenches (Also can be configured to drive four wrenches at the same time)
- ▲ Aluminum and titanium alloy manufacturing tank and pump, light weight, easy to carry
- ▲ Φ100 high density pressure gauge, ensuring higher torque accuracy
- ▲ Adjust the output pressure freely in the range of 40-700 bar
- ▲ With a radiator, can work continuously for 24 hours
- ▲ A variety of voltage / frequency motors available upon request



- ① Al metal frame, easy to carry, protect machine body
- ② External pressure regulator, built-in relief valve protection
- ③ System pressure release button, release pressure when pump stopped and power failure.
- ④ Lightweight design body, reducing weight, easy to carry

Model	HEP-700	
Power Source	AC power	
Tank Capacity	8L	
Oil Flow	Low Pressure	7L/min
	Medium Pressure	1.6L/min
	High Pressure	0.8L/min
Output Pressure	40-700bar	
Input Power Supply	220V/50Hz	
Power	1.1kW	
Weight	26.7kg	

## REH-200R Special Electric Hydraulic Pump For Bolt Stretcher

- ▲ Light weight, easy to carry
- ▲ With remote control handle, safe and easy to operate
- ▲ With high precision pressure gauge for accurate pressure regulation
- ▲ Buckle type quick joint, connection is quick and convenient
- ▲ Two-stage plunger pump, compact structure, solid and reliable
- ▲ Optional high performance radiator, to ensure continuously work for a long time
- ▲ Single and double action optional, suitable for various application
- ▲ Motor power 1.5kW, strong power, large flow
- ▲ Suitable for bolt stretcher, also for wind power, ships and other industries



Model	REH-200R
Oil Delivery at High Pressure	0.4L/min
Oil Delivery at Low Pressure	2L/min
High Pressure	150Mpa
Low Pressure	30Mpa
Motor Power	1.5kW
Reservoir Capacity	8L
Input Power Supply	220V/50Hz
Net Weight	22kg
Dimensions	426x262x440mm

## REW-700 Air Pump For Torque Wrench

- ▲ Maximum working pressure 700bar
- ▲ Input gas source 4-8bar
- ▲ Three-stage flow rate design, flow rate automatic switching, high working efficiency
- ▲ No electronic control system, can be used in explosion-proof applications
- ▲ Aluminum fuel tank, light weight, external cooling system, can work for a long time
- ▲ Optional 4 wrenches working at the same time

Model	REW-700	
Tank Capacity	6L	
Flux	Low Pressure	8L/min
	Medium Pressure	1.7L/min
	High Pressure	0.85L/min
Power	3kW	
Pressure	Low Pressure	7MPa
	Medium Pressure	28MPa
	High Pressure	70MPa
Input Air Source	4-8bar	
Input Interface	NPT 1/4	
Weight	22kg	



## SWR-8 Hydraulic Flange Spreader

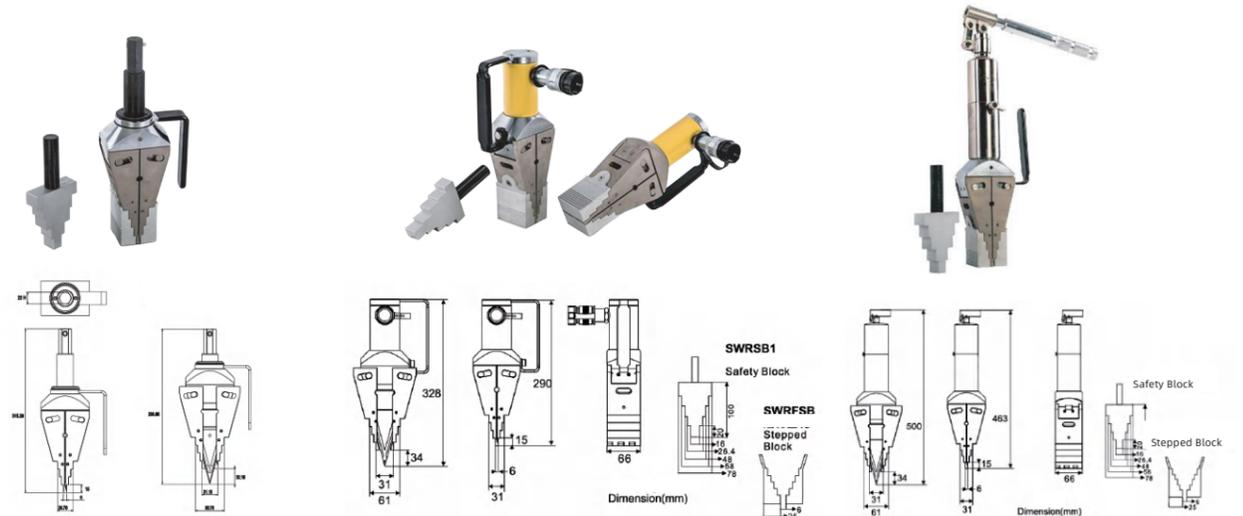
- ▲ Only 0.24 (6mm) gap
- ▲ No first-step bending and anti-slip design
- ▲ Automatic retraction

## SWR-40 Hydraulic Flange Spreader

- ▲ Only 0.24 (6mm) gap
- ▲ No first-step bending and anti-slip design
- ▲ Automatic retraction

## SWR-401 Hydraulic Flange Spreader

- ▲ Only 0.24 (6mm) gap
- ▲ No first-step bending and anti-slip design
- ▲ Automatic retraction



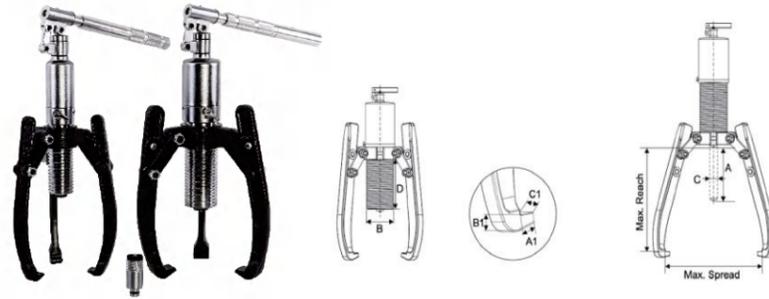
Model	SWR-8
Stretch Force	8t(72kN)
Top Gap	6mm
Stretch Distance	81mm
Weight	6.5kg

Model	SWR-40
Stretch Force	14t(125kN)
Top Gap	6mm
Stretch Distance	81mm
Oil Requirement	78cm <sup>3</sup>
Weight	7.1kg

Model	SWR-401
Stretch Force	15t(134kN)
Top Gap	6mm
Stretch Distance	81mm
Oil Requirement	152cm <sup>3</sup>
Weight	8.0kg

### Three Jaws Hydraulic Puller

- ▲ High strength alloy steel forged
- ▲ Four sections foldable and removable handle, easy to operate
- ▲ 360° swivel seat
- ▲ Puller body is equipped with a safety valve
- ▲ Hydraulic cylinder hard chrome treatment to strengthen hardness
- ▲ Claw load is more than 120% of the rated load



Model	Force(t)	Stroke (A)(mm)	Pressure Area (cm <sup>2</sup> )	Claw Depth (mm)	Claw Distance (mm)	Top(mm)			Claw End(mm)			Weight (kg)
						B	C	D	A1	B1	C1	
HSP-600	6	70	8.04	245	330	45	23	91	13	10	22	6.2
HSP-800	8	85	11.34	230	350	55	26	112	11	10	25	8.2
HSP-1200	12	85	14.45	260	375	60	28	118	14	10	29	9.5
HSP-2000	20	111	28.26	350	520	80	40	162	20	27	33	34.5
HSP-3000	30	111	42	435	550	98	50	155	20	27	38	36

### Two Jaws Hydraulic Puller

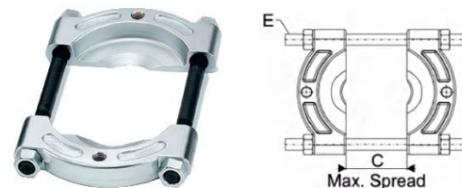
Model	Force (t)	Stroke (A)mm	Claw Depth (mm)	Claw Distance(mm)		Top(mm)			Weight (kg)
				A	B	D	E	F	
HSP-610	6	70	270	95	180	45	23	92	11
HSP-810	8	85	270	95	220	50	25	122	14.3
HSP-1210	12	85	381	120	290	60	28	118	23.8



### Pulling Sets

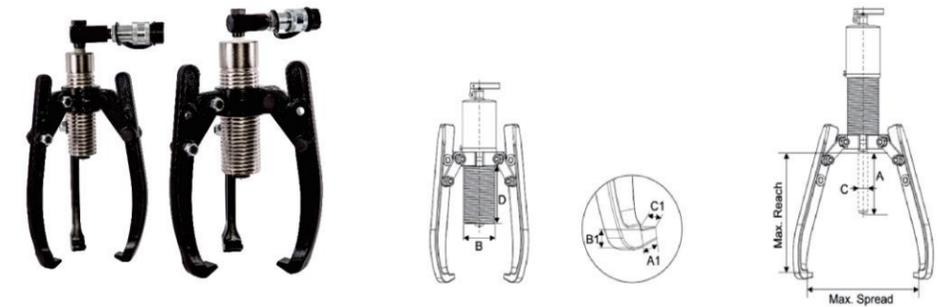
- ▲ High strength alloy steel forged
- ▲ Surface chrome-plating, heat treatment, rust proof treatment to increase service life

Model	Stretch Range(C)mm	Bolt (E)mm	Weight (kg)
BT-9000	30-50	3/8"-24T-L120mm	14
BT-9005	50-70	1/2"-20T-L135mm	18
BT-9015	75-105	5/8"-18T-L165mm	26
BT-9025	105-150	3/4"-16T-L275mm	25
BT-9035	150-200	1"-12T-L350mm	20



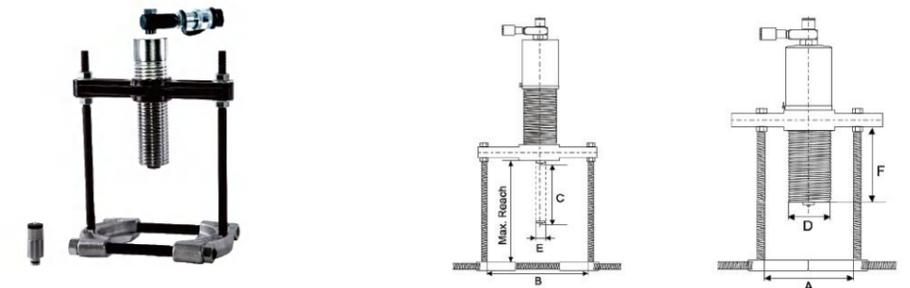
### Separated Three-jaw Hydraulic Puller

- ▲ High strength alloy steel forged
- ▲ Four foldable and removable handles for easy operation
- ▲ 360° swivel seat
- ▲ Puller body is equipped with a safety valve
- ▲ Hydraulic cylinder hard chrome treatment to strengthen hardness
- ▲ Center nut spring can bear load easy to use
- ▲ 2/3 claw top collar surface blackened, durable use and rust proof
- ▲ Heat-treated alloy steel forging connection bolt and surface blackened claw, prevent rust, increase service life
- ▲ Claw load is more than 120% of the rated load



Model	Force(t)	Stroke (A)mm	Pressure Area (cm <sup>2</sup> )	Claw Depth (mm)	Claw Distance (mm)	Top (mm)			Claw End (mm)			Weight (kg)
						B	C	D	A1	B1	C1	
ESP-600	6	70	8.04	245	330	45	23	91	13	10	22	5.5
ESP-800	8	85	11.34	230	350	55	26	112	11	10	25	7.5
ESP-1200	12	85	14.45	260	375	60	28	118	14	10	29	9.5
ESP-2000	20	111	28.26	350	520	80	40	162	20	27	33	23.5
ESP-3000	30	111	42	435	550	98	50	155	20	27	38	34

### Separated Two-jaw Hydraulic Puller



Model	Force(t)	Stroke (A)mm	Claw Depth (mm)	Claw Distance(mm)		Top(mm)			Weight (kg)
				A	B	D	E	F	
ESP-810	8	85	270	95	220	50	25	122	22.2
ESP-1210	12	85	381	120	290	60	28	118	29.5