



AOLAI RESCUE TECHNOLOGY CO.,LTD
奥来救援科技有限公司

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EMERGENCY RESCUE

—
应急救援装备

Focusing On Emergency Response
And Rescue

聚焦应急 专注救援

CONCRETE BREAKING TOOLS

—
混凝土破拆工具

Focusing on Emergency Response
And Rescue

聚焦应急·专注救援

WWW.AOLAIRESCUE.COM



COMPANY PROFILE

AOLAI-RESCUE

10 top ten categories

100 nearly a hundred products

- | | | |
|---------------------------|-------------------------------|---------------------------|
| 01/ Detection Instruments | 02/ Small Fire Station | 03/ Vehicle Modification |
| 04/ Robots | 05/ Hose and Accessories | 06/ Portable Rescue Tools |
| 07/ Orbital Rescue Tools | 08/ Shoring and Stabilization | |
| 09/ Demolition tools | 10/ Agent Products | |

AOLAI-RESCUE
奥来救援

COMPANY PROFILE | 企业简介

EMERGENCY
RESCUE
—
应急救援装备

Focusing On Emergency Response
And Rescue
聚焦应急 专注救援

We have

- EN 13204 Certificate, NFPA 1936 Certificate
- China Compulsory Certification
- ISO14001 Environmental Management System Certification
- OHSAS18001 Occupational Health and Safety Management System Certification
- GJB9001B-2009 Quality Management System Certification
- ISO9001 Quality Management System Certification

企业简介 COMPANY PROFILE

Aolai Rescue Technology Co., Ltd., founded in 2009, is a leading privately owned supplier of rescue equipment. The headquarter is located in Dezhou of Shandong province with convenient transportation. Focused on investment, production and best service of emergency rescue equipment, Aolai dedicates to providing innovative hydraulic equipment for rescue, industrial and special tactics applications worldwide. After the establishment, Aolai Rescue has been granted “China National High-Tech Industrial Enterprise”, “JMRH Enterprise” and other honors.

Aolai has “Provincial Engineering Laboratory”, Aolai Rescue is the Shandong Provincial National Economic Mobilization Center, Engineering Technology Research Center of Dezhou and the member of China Fire Protection Association.

300,000,000
Annual Output Value is nearly 300 million RMB.

40+
Sold to more than
40 countries.

2009
Established in 2009.

120+
>>>

Developed more than
120 new products.

50+
>>>

Applied for more than
50 patents in recent
years.

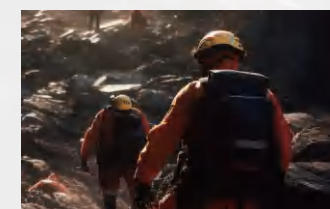
企业发展 DEVELOPMENT

Aolai Rescue has a professional R&D team and actively cooperates with the Institute of High Energy Physics of the Chinese Academy of Sciences, the Chongqing Research Institute of China Coal Science and Industry Group, Shandong University and other university research institutes to carry out industry-university-research cooperation. Aolai has jointly built an ultra-high-pressure hydraulic laboratory and a fire-fighting robot laboratory with Shandong University to achieve resource sharing, project cooperation and personnel training, laying a solid foundation for joint research on ultra-high-pressure hydraulic rescue equipment and fire-fighting robots. In recent years, Aolai has applied for more than 50 patents and developed more than 120 new products.

Sold in more than 40 countries around the world, Aolai rescue products have been tested in the Wenchuan earthquake rescue before the company was established, and played an important role in the Yushu earthquake rescue in Qinghai and the 4.25 Nepal earthquake rescue.

主导产品 LEADING PRODUCTS

Aolai Rescue's leading products cover nearly 100 categories including detection instruments, small fire stations, vehicle modifications, robots, hose accessories, mobile rescue tools, track rescue tools, Shoring system, demolition tools, and agency products. Aolai is currently a manufacturer with the highest industrial concentration and the most abundant product lines in the same industry in China. At present, the demolition series products rank first in the country and are always at the leading level among the peers. The company's annual output value is nearly 300 million yuan.



Rescue Simulation >>>



HYDRAULIC DEMOLITION TYPE

— 液压破拆类

Includes all new rescue equipment, spreaders, cutters, rams and motor pumps.



Rescue Equipment



Spreaders



Rams



Cutters



Motor Pumps

01.

Designed to improve rescue operation efficiency

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PAGE-003

GYJK-F2

Hydraulic Combi Tool

Main Features 主要特点

02-

It can dismantle the entire vehicle and cut off vehicle components, metal structural pipes, special-shaped steel materials and steel plates;

01-

Hydraulic Combi Tool can cut, spreading, pull and squeeze.

06-

Grip teeth on both blades for extra force when spreading and cutting, avoiding danger caused by slipping;

03-

The cutter is made of high-strength alloy product steel, which has long operating time and strong wearability;

05-

LED lighting at the handle facilitates rescue operation in dimly lit environments.

04-

The hand valve operation can fix the blade in any position when opening and closing, which can be self-locking. Opening and closing quickly, speeding up the rescue process;

Brief Introduction

液压剪扩器简介

Hydraulic Combi Tool connects to a motor or hand pump through a quick coupler to cut, spread, squeeze and pull. The hydraulic force pushes the piston, which is converted into the force of the tool through the connecting rod. The hand valve controls the opening and closing of the tool. When the hand valve is in the neutral position, the tool does not move and the oil return to the pump.

Technical Parameter

技术参数

01/Working pressure	72MPa(720bar)
02/opening distance	330mm
03/spreading force	53kN
04/Max. cutting capacity (Q235 material)	φ36mm(round steel) φ20mm(steel plate)
05/Max. spreading distance	405mm
06/Dimensions (L*W*H)	880*255*187mm
07/Weight	15.9kg(With expansion head)

GYJQ-E

Hydraulic Cutter

Aolai hydraulic cutter is specially designed to cut round bar, steel plate and cable.



● Technical Parameter
技术参数

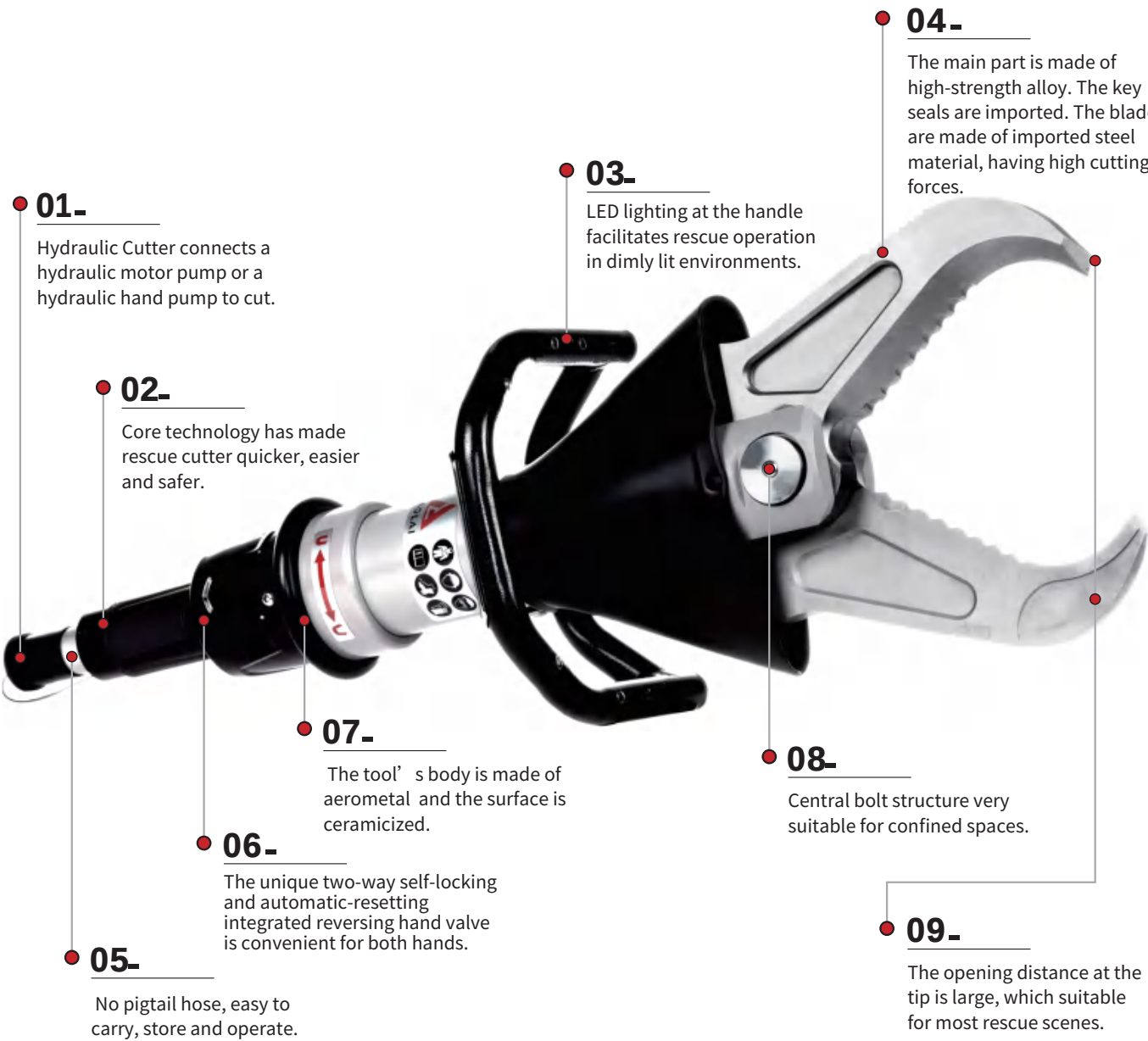
- Round bar
- Steel
- Cable

01/ Rated working pressure	72MPa(720bar)
02/ Max. opening distance at the blade tips	309mm
03/ Max. cutting capacity (Q235 material)	φ35mm(round steel) φ25mm(steel plate)
04/ Weight	14.9Kg
05/ Applicable temperature	-30°C-55°C
06/ Dimensions (L*W*H)	845*255*185mm

● Brief Introduction
液压剪切器简介

Hydraulic cutter works with a motor or hand pump through a quick coupler. The hydraulic force pushes the piston, which is converted into the force of the tool through the connecting rod, thereby cutting objects. The hand valve controls the opening and closing of the tool. When the hand valve is in the neutral position, the tool does not move and the oil return to the pump.

Hydraulic Cutters are specially designed to cut round bar, steel plate and cable. It cuts metal or non-metal structures, rescuing victims trapped in dangerous situations.



● Main Features
主要特点

- 01/Hydraulic Cutter connects a hydraulic motor pump or a hydraulic hand pump to cut.
- 02/The main part is made of high-strength alloy. The key seals are imported. The blades are made of imported steel material, having high cutting forces.
- 03/The tool's body is made of aerometal and the surface is ceramicized.
- 04/The unique two-way self-locking and automatic-resetting integrated reversing hand valve is convenient for both hands.
- 05/The opening distance at the tip is large, which suitable for most rescue scenes.
- 06/Seals are all imported from Europe and the United States, with better quality better reliability;
- 07/No pigtail hose, easy to carry, store and operate.
- 08/LED lighting at the handle facilitates rescue operation in dimly lit environments.
- 09/The integrated design of handle and switch greatly facilitates the operation of rescue personnel.

GYKZ-40P

Hydraulic Spreader

Hydraulic spreaders expand, pry open, support, separate, clamp and pull various material objects.



Technical Parameter

技术参数



Spread



Pry open



Separate



Pull

01/ Rated working pressure	72MPa
02/ Max. spreading distance	752mm
03/ Max. pulling force	65kN
04/ Weight	14.7kg
05/ Dimensions(L*W*H)	812*280*192mm
06/ Operating temperature	-30°C-+55°C

Hydraulic Spreader

液压扩张器

It is suitable for fire extinguishing, earthquakes, road traffic accidents and other sudden disasters. The coupler can be plugged and unplugged under pressure. Light weight, high efficiency, compact structure, high power, long life and easy maintenance. The sealing ring has high reliability, long service life and easy maintenance with patent.



Main Features

主要特点

- 01/ The hand valve is made of new materials, which makes the rescue operation more convenient and safer.
- 02/ No pigtail hose, easy to carry, store and operate.
- 03/ Made of high-strength alloy steel, lightweight but strong spreading force.
- 04/ The handle is convenient for both hands, and the moving parts are equipped with protective covers to protect operator.
- 05/ LED lighting at the handle facilitates rescue operation in dimly lit environments.

GYCD-E1

Hydraulic Ram



Technical Parameter

技术参数

01/ Rated working pressure	72MPa (720bar)
02/ Max. Pushing force	99.82kN
03/ Closed length	564mm
04/ Piston stroke	410mm
05/ Extended length	974mm
06/ Weight	10.7kg
07/ Dimensions	564*93*332mm
08/ Applicable temperature	-30°C-+55°C



Support



Pull



Stablize

Hydraulic Ram

液压撑顶器

The Hydraulic Ram is driven by high-pressure hydraulic oil to move the piston and provide powerful force. Hydraulic Ram connects a hydraulic motor pump or a hydraulic hand pump to support, pull, and keep heavy objects stable. Hydraulic Ram can be used to rescue trapped persons in accidents on roads, tracks, airports and buildings.

WN-4

Hydraulic Universal Compatible Coupling Converter

01_

The Interface Adapter has a pressure protection function. If the pipeline is connected incorrectly, it can automatically leak oil and alarm;

02_

This product achieves perfect matching of different hydraulic interface power sources and tools

03_

Single interface design, can operate under pressure;

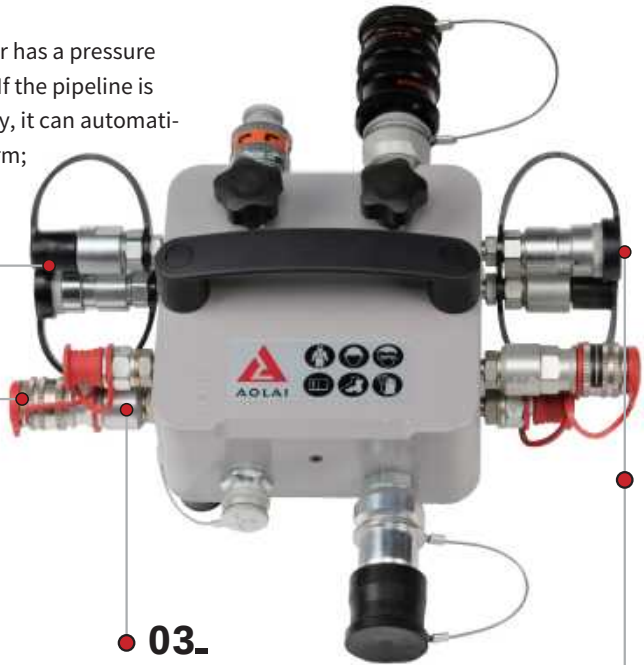
04_

Female-male couplers, double-tube flat couplers, double-tube single couplers and single-tube single couplers, suitable for most domestic and imported products;

05_

The Interface Adapter is made of high-strength aluminum alloy, is lightweight, and has an interface type that can be quickly connected;

Tubing
油管



Hydraulic Universal Compatible Coupling Converter

液压接口转换插排

Ultra-high-pressure hydraulic quick-change interface conversion strip, interface adapter, is a common rescue product. It is mainly used for oil circuit conversion between different rescue products and power sources during the rescue process, ensuring that rescue products with different hydraulic interfaces are compatible with The matching of power sources improves rescue efficiency.

Technical Parameter

技术参数

01/ Rated working pressure	72MPa
02/ Low pressure oil line overflow pressure	5MPa
03/ Applicable temperature	-30°C-+55°C
04/ Weight	9.56kg (Equipped with handle and shock-absorbing)
05/ Dimensions(L*W*H)	403*360*150mm

HYDRAULIC JACK

Hydraulic Jack

Hydraulic jacks are used with Aolai hydraulic hand pumps and are composed of three specifications. They are used to support heavy objects in accidents, thereby rescuing victims trapped in dangerous environments;



Technical Parameter 技术参数

01/ Max. supporting force	10t Operated by hand pump
02/ Closed height	109/129/169/249mm
03/ Stroke	24/44/84/164mm
04/ Max. extended height	133/173/253/413mm
05/ Weight	1.6kg/1.8kg/2.1kg/2.7kg



Hydraulic Jack 液压千斤顶

Hydraulic jacks are used with hydraulic hand pumps and are available in various specifications. It support heavy objects in accidents to rescue victims trapped in dangerous environments. The jack is supplied with oil by a hydraulic hand pump. Under the action of hydraulic pressure, the piston rod extends to lift the weight being supported to a certain height to increase the working space and facilitate the rescue of the victim.

A hydraulic hand pump is used to supply oil. Under the action of hydraulic pressure, the piston rod extends to lift the supported weight to a certain height to increase the working space and facilitate the rescue of the trapped persons; The oil cylinder is made of high strength and lightweight alloy and equipped with a special metal base. The seals are all imported from Germany with better quality.



01. The cylinder is made of high-strength lightweight alloy, resistant to high pressure and lightweight in structure;

02. All seals are imported, with reliable sealing and stable quality.

03. Equipped with a special metal anti-slip base, the lifting process is stable;



Main Features 主要特点

- 01/ The cylinder is made of high-strength lightweight alloy, resistant to high pressure and lightweight in structure;
- 02/ All seals are imported, with reliable sealing and stable quality.
- 03/ Equipped with a special metal anti-slip base, the lifting process is stable;

ELECTRIC DEMOLITION TOOLS

电动破拆工具

02.

Designed to improve rescue
operation efficiency

www.aolairescue.com
PAGE-023



Rescue Equipment



Spreaders



Rams



Cutters

Includes all new rescue
equipment, spreaders,
cutters, rams and motor
pumps.

GYKZD-40P

Battery Spreader

Main Features 主要特点

01.

The handle is convenient for left and right hand

03.

Made of high-strength lightweight alloy steel,
light weight and large spreading force

05.

The product is designed with LED lighting, which can be
operated accurately even in dim light conditions.

02.

No external oil pipe, easy to
operate, carry and store

04.

Two-way hydraulic lock and automatic reset control
valve can self-lock, with high operating safety

Battery Spreader 电动扩张器

Battery Spreader is used to spread, pry open, support heavy objects, separate and clamp, and pull objects of various materials. It is suitable for fire extinguishing, earthquakes, road traffic accidents and other sudden disasters. Light weight, high efficiency, compact structure, high power, long life and easy maintenance. The world's top sealing ring brand and patented sealing structure have high reliability, long service life and easy maintenance.

Technical Parameter 技术参数

01/	Max.working pressure	720 bar / 72 MPa
02/	Expanding tension force	65KN
03/	Maximum opening distance of blade end	750mm
04/	Pulling distance	605mm
05/	Battery capacity	24V 5AH
06/	Weight	20 kg(Without battery)
07/	Dimensions (L x W x H)	920x 275x 298 mm

GYJKD-A1

Battery Combi Tool

The Battery Combi Tool mainly cuts plates or round steel and can spread, pull and squeeze, etc.



● Technical Parameter
技术参数

- Spread
- Pull
- Squeeze
- Cut round bar

01/ Rated working pressure	72MPa (720bar)
02/ Expansion distance	355mm
03/ Maximum expansion tension	58kN
04/ Shearing capacity	Φ32mm (round steel)
05/ Maximum shear opening	260mm
06/ Maximum expansion opening	373mm
07/ Weight	18.5kg (without battery)
08/ Traction distance	265mm
09/ Dimensions (L*W*H)	927*258*283mm

● Battery Combi Tool
电动剪扩器

Since it does not require an external power supply, it is also the first choice rescue product for rescue teams, police, civil defense and other emergencies. This product can be used to demolish metal or non-metal structures. It can cut hinges, door beams, roof beams and other structures after traffic accidents to rescue the injured.

It can be used to shear, expand and move the object of operation. In any case, the object to be operated must be sufficiently supported to prevent danger caused by collapse, etc. When using it, note that only the force arm can work underwater. Do not place the electric combi tool in a wet environment when storing.



● Main Features
主要特点

- 01/ Configure lights to provide lighting, Night work below;
- 02/ LED indicator show the dump energy of battery, avoiding insufficient power, affecting rescue.
- 03/ Ergonomic carrying handle makes the operation more convenient and precise.
- 04/ Using high capacity battery, long relay time.
- 05/ One key switch, instant start.
- 06/ Multiple circuit and mechanical protection measures, securing the product and operator;
- 07/ The blades made of high-strength materials are very durable.
- 08/ The machine serves several purposes, with shear, expansion, traction, extrusion a variety of functions.

GYJQD-A1

Battery Cutter

Battery Cutters is a special battery-hydraulic cutter toll. No external power source, compact and convenient to use.



Technical Parameter 技术参数

01/ Max.working pressure	720 bar / 72 MPa
02/Max.blade opening distance	259 mm
03/Cutting capacity (Q235 Round bar ϕ):	32 mm
04/Weight(w/battery)	17.71kg (without battery)
05/Dimensions (L x W x H)	905 x 257x 285mm



Earthquake



Building collapse

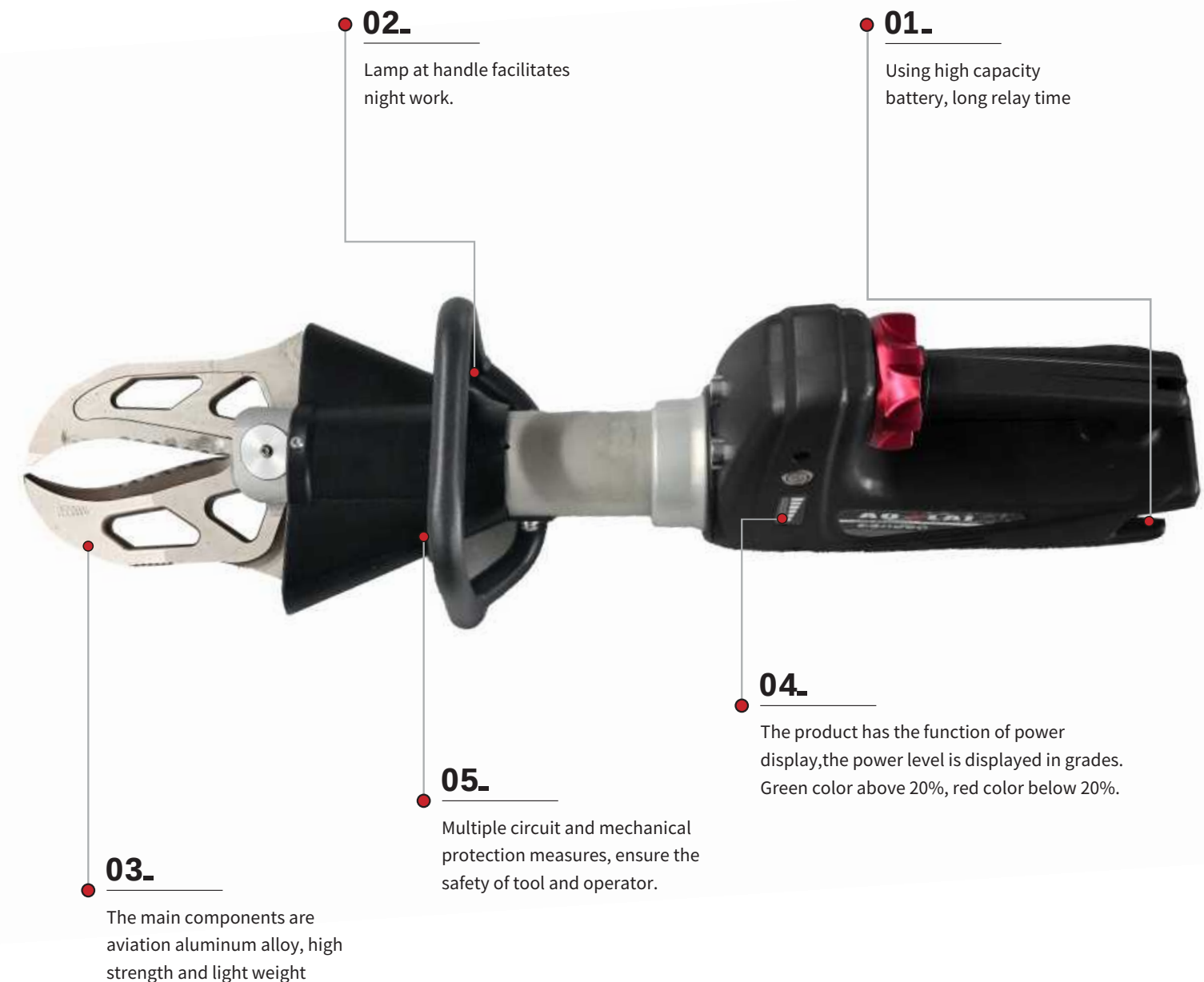


Break the metal



Battery Cutter 电动剪切器

Battery cutters is the preferred rescue product for rescue teams, police and civil defense teams. It's used for breaking metal or non-metal structure, widely used in a variety of accident traffic accidents, earthquake, building collapse and other disaster rescue.



Main Features 主要特点

- 01/ Using high capacity battery, long relay time
- 02/ Lamp at handle facilitates night work.
- 03/ The main components are aviation aluminum alloy, with high strength and light weight

- 04/ The product has the function of power display, the power level is displayed in grades. Green color above 20%, red color below 20%.
- 05/ Multiple circuit and mechanical protection measures to ensure the safety of tools and operators;

POWER SOURCE

动力源

03.

Designed to improve rescue operation efficiency

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PAGE-031



Hand pump



Battery pump



Motor pump

BS-H

Hydraulic Hand Pump

01 -

Compact and small in appearance, it takes up little space; light in weight and easy to move, effectively reducing the physical consumption of rescuers;

02 -

Equipped with high and low voltage automatic conversion function, rescue is more convenient.

03 -

Adopting high-strength aluminum alloy cylinder with central bolts inside the cylinder, the firmness and service life of the equipment exceeds that of similar products by more than 50%;

04 -

Adopt concentric axis single tube single interface design, can be quickly connected, with pressure insertion and extraction, operation is more safe and convenient.

50%

Firmness and service life are more than 50% of similar products.

Brief Introduction

液压手动泵简介

Hydraulic hand pump is a special rescue device. Provide power for the rescue product, let the rescue product work normally in the event of an accident. Rescue the victims trapped in dangerous environment.



Main Features

主要特点

- 01/ Equipped with high strength aluminum alloy cylinder and bolt in center. Exceed similar products more than 50% in firmness and service life.
- 02/ The seals are all imported from foreign countries, with better quality better reliability;
- 03/ Small size, light weight, easy to carry and no fuel oil.
- 04/ Simple operation, exert the pressure when open the valve , no complex operation
- 05/ Large hydraulic oil tank capacity. The oil label is convenient to check, effectively avoid the lack of oil due and make it used normally.
- 06/ The function of high and low pressure automatic conversion, improve work efficiency, shorten the rescue time and reduce the physical consumption of rescue personnel.



Hydraulic fluid



Degree of rigidity



Life length

Technical Parameter

BS-H技术参数

01/ Output pressure	72MPa
02/ Weight	7.38kg (With hydraulic oil, full of oil)

Technical Parameter

BS-H2技术参数

01/ Output pressure	72MPa
02/ Weight	6.81 kg(With hydraulic oil, full of oil)

Technical Parameter

BS-F技术参数

01/ Output pressure	72MPa
02/ High pressure output flow	1.5mL/per time
03/ Low pressure output flow	30mL/per time
04/ Volume of hydraulic oil tank	1.5L
05/ Weight	6.7kg



Hydraulic fluid



Weight

BJD-A Battery Pump

01 -

No oil pipe, easy operation, easy carrying and storage

02 -

Handle is convenient for left and right hand operation;

03 -

One key switch, instant start.

04 -

With LED lighting, can be accurately operated in the case of dim light.

Zero emission, low noise, energy saving and environmental;

Introduction of the Battery Hydraulic Pump

电动液压泵简介

Battery hydraulic pump is mainly to provide power for the product work, with light weight, large force, high efficiency . The electric hydraulic pump use the hydraulic power source to dismantle it with other products in the components.

- 01/ No oil pipe, easy operation, easy carrying and storage
- 02/ Handle is convenient for left and right hand operation;
- 03/ One key switch, instant start.
- 04/ With LED lighting, can be accurately operated in the case of dim light.
- 05/ Zero emission, low noise, energy saving and environmental;

Technical Parameter

技术参数

01 / Weight	9.9kg
02 /Rated working pressure	72MPa
03 /High pressure flow	0.6L/min
04 /Low pressure flow	2.2L/min
05 /Battery capacity	45Wh
06 /Working hours	60min
07 /Volume of hydraulic oil tank	1.5L
08 /Power	800W

BJQ-F

Motor Pump

72

Rated output pressure

3.5L

Volume of hydraulic oil tank

Technical Parameter

技术参数

01/ Oil pump type / output type	Dual stage plunger/dual output pump
02/ Rated output pressure	72MPa (720bar)
03/ Rated working speed	3200 ±200 rpm
04/ Power	2.6kW
05/ Weight	23.5kg
06/ Hydraulic oil capacity	3.5L

Doubled flow function. Two pumps output hydraulic oil at the same time in normal operation. At rated working pressure of 72MPa the flow rate is 0.70 L/min. When the low pressure working pressure is 5MPa, the output flow rate of each channel is 2.85L/min. When the flow doubling function is opened, according to the spin the pointing of the button, the original 2 output combined into the only 1 output of the machine, rated working pressure 72MPa, the output flow rate is 1.35 L/min, Low-pressure work pressure of the 5MPa, the output flow rate is 5.60 L/min.

Introduction of Double Speed Output Motor Pump

倍速式双输出机动泵介绍

The double speed output motor pump has high and low pressure output, and the pressure flow can be automatically converted to speed up the rescue process; Using single pipe single interface connection mode can realize the pressure replacement tool ". The upper "type metal control valve block can not only control two tools to work at the same time, but also has the" double speed valve " technology, which can double the rescue efficiency of one tool.

-  Automatic conversion
-  Pressure output
-  Double speed valve

Double Speed Valve Technology

倍速阀技术

The control valve switch makes the growth rate possible, in which either of the two connected devices can provide double flow by the control valve switch. When the control valve switch is pushed to one side, the oil supply to the other side of the device, that is, double the output flow to the directed side to double the operation speed.



Main Features

主要特点

- 01/** The motor pump has both high and low pressure pressure output, and the pressure flow can be automatically converted to speed up the rescue process.
- 02/** Single pipe and single joint connection mode can realize the replacement product with pressure
- 03/** "Upper" type metal control valve block, not only can control two products work at the same time, but also has "speed valve" technology, can double the rescue efficiency of one product;
- 04/** The motor pump adopts advanced aviation hydraulic oil, which can be worked in -30~55 environment;
- 05/** Compaction and small space; Light weight, mobile convenience, effectively reduce the physical consumption of rescue workers;
- 06/** Adopt high quality single connector imported from abroad, with locking function and dust-proof device; single joint and double output design, can connect two products and work at the same time, with double speed technology; concentric shaft single joint design, single joint can be. With pressure plug and pull

AMPHIBIOUS HYDRAULIC DISMANTLING TOOL SET

—
水陆两用
液压破拆工具组

04.

Designed to improve rescue
operation efficiency

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PAGE-037



Battery pump



Spreader



Cutter



Ram

PCDS-SX

Amphibious Hydraulic Breaking Tool
Set Double-acting

Amphibious Hydraulic Battery Pump



Amphibious hydraulic battery pump

72

72Mpa Rated working pressure



Technical Parameter

技术参数

01/ Rated working pressure	72MPa
02/ Underwater working depth	110m
03/ Lithium battery capacity	14Ah
04/ Weight	18.9kg

3.0

3.0 (5Mpa) Low-pressure flow rate



JQ-SX-B

Amphibious Hydraulic Cutter



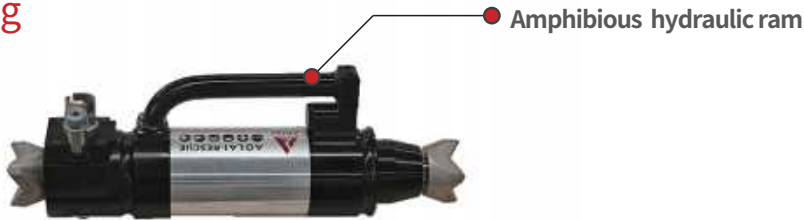
Technical Parameter

技术参数

01/ Rated working pressure	72MPa
02/ Opening distance	165mm
03/ Underwater working depth	110m
04/ Cutting capacity(Q235A)	Can cut 30mm round bar、16mm plate.
05/ Weight(kg)	13.3kg

CD-SX-B

Amphibious hydraulic jacking and spreading device



927

927mmSpreading distance

Technical Parameter

技术参数

01/ Rated working pressure	72MPa
02/ First-stage jacking force	155.48kN
03/ Second-stage jacking force	70.79kN
04/ First-stage jacking length	687mm
05/ Second-stage jacking length	927mm
06/ Retracted length	487mm
07/ Jacking stroke	The jacking stroke of the first stage is 200 millimeters and the jacking stroke of the second stage is 240 millimeters.

KZ-SX-B

Amphibious Hydraulic Spreader



Technical Parameter

技术参数

01/ Rated working pressure	72MPa
02/ Maximum spreading force	65.42kN
03/ Minimum spreading force	55.43kN
04/ Spreading distance	330mm

Introduction Of The Amphibious Tool Group

水陆两用工具组介绍

The amphibious tool group was originally developed and produced to solve the practical difficulties faced by rescue organizations around the world. The amphibious demolition tools group break traditional hydraulic demolition tools can not be land and underwater dual-use work rescue imprisonment, the whole set of tools consists of underwater battery pump, underwater cutter, underwater spreader and underwater jacking device which can dive into the deep water area for shear, expansion and roof the rescue operation.



Main Features

主要特点

- 01/ The main part is made of high strength alloy, with high strength and light weight
- 02/ All the seals are come from the original import, with better quality.
- 03/ Light weight, large force, high efficiency, simple operation.
- 04/ Equipped with a buoyancy device to ensure the relative buoyancy and flexibility of the tool

RESCUE SUPPORT TOOLS

救援支撑工具

05.

Designed to improve rescue
operation efficiency

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PAGE-041



Tripod



The
four-legge
d frame



Shoring

ZJS(A-JYSJJ-SJJ) Tripod

01 -

The product material uses high strength aviation aluminum alloy material, high strength, light weight.

02 -

All aluminum alloy parts are treated at high temperature to increase strength and durability.

03 -

Its different lengths and stents enable the system to be applied in various environments.

04 -

The lock ring is treated by mechanical embossing to prevent hand slip.

03 -

Simple and easy to use, including fixation, connection, supporting and locking.



Rescue Support Introduction

救援支架介绍

Rescue support is a borderline hazardous environmental rescue system. Provide ultimate users a wide range configuration option. Complete multi-function bracket system includes: lifting rod, armrest bracket, A type frame, slippery wheel bracket type A frame, steering A type frame, tripod, the four-legged frame, bridge support. Through a hinge-like group installation method, add or remove the die head quick plug assembly can be very quickly assembled into different structures.

The form of the structure adapt to most of the harsh conditions of the emergency rescue, it can show a strong working ability in the cliff operating, deeping pit work industry and flat working environment. Match with rope and winch mechanism to maximize rescue benefits and increase stability.

The versatility of the system makes it an ideal system for the following industries system, fire rescue and emergency services industry, construction industry, military field, irrigation industry, motor drive line industry, communication industry, mining industry, film industry and maintenance industry.

Main Features

主要特点

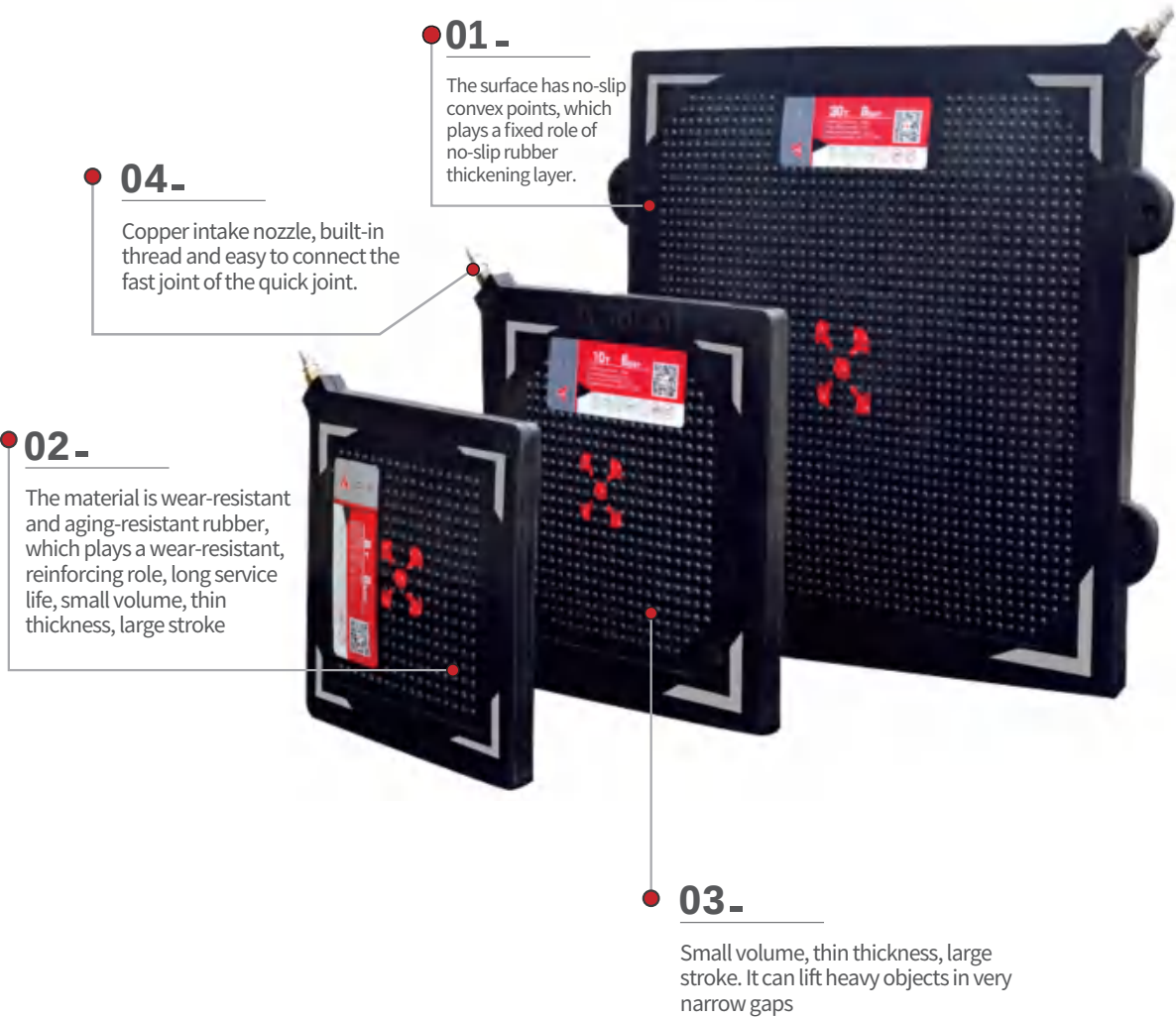
- 01/ The product material uses high strength aviation aluminum alloy material, high strength, light weight.
- 02/ All aluminum alloy parts are treated at high temperature to increase strength and durability.
- 03/ Its different lengths and stents enable the system to be applied in various environments.
- 04/ The lock ring is treated by mechanical embossing to prevent hand slip.
- 05/ Simple and easy to use, including fixation, connection, supporting and locking.

Technical Parameter

技术参数

01/ Contraction length	1623mm
02/ Spreading height	2940mm
03/ Rated load mass	180kg
04/ Breaking tensile force of steel wire rope	22KN
05/ Weight	40kg (include all parts)

AIR LIFTING BAGS



-  Fixed anti-skid
-  Wear resistance and reinforcement
-  Connection

Main Features

主要特点

- 01/** The surface has no-slip convex points, which plays a fixed role of no-slip rubber
- 02/** Thickening layer. The material is wear-resistant and aging-resistant rubber, which plays a wear-resistant, reinforcing role, long service life
- 03/** Small volume, thin thickness, large stroke. It can lift heavy objects in very narrow gaps
- 04/** Copper intake nozzle, built-in thread and easy to connect the fast joint of the quick joint.

Standard Configuration 标配介绍



Introduction of the Square Air Lifting Bags 起重气垫套组介绍

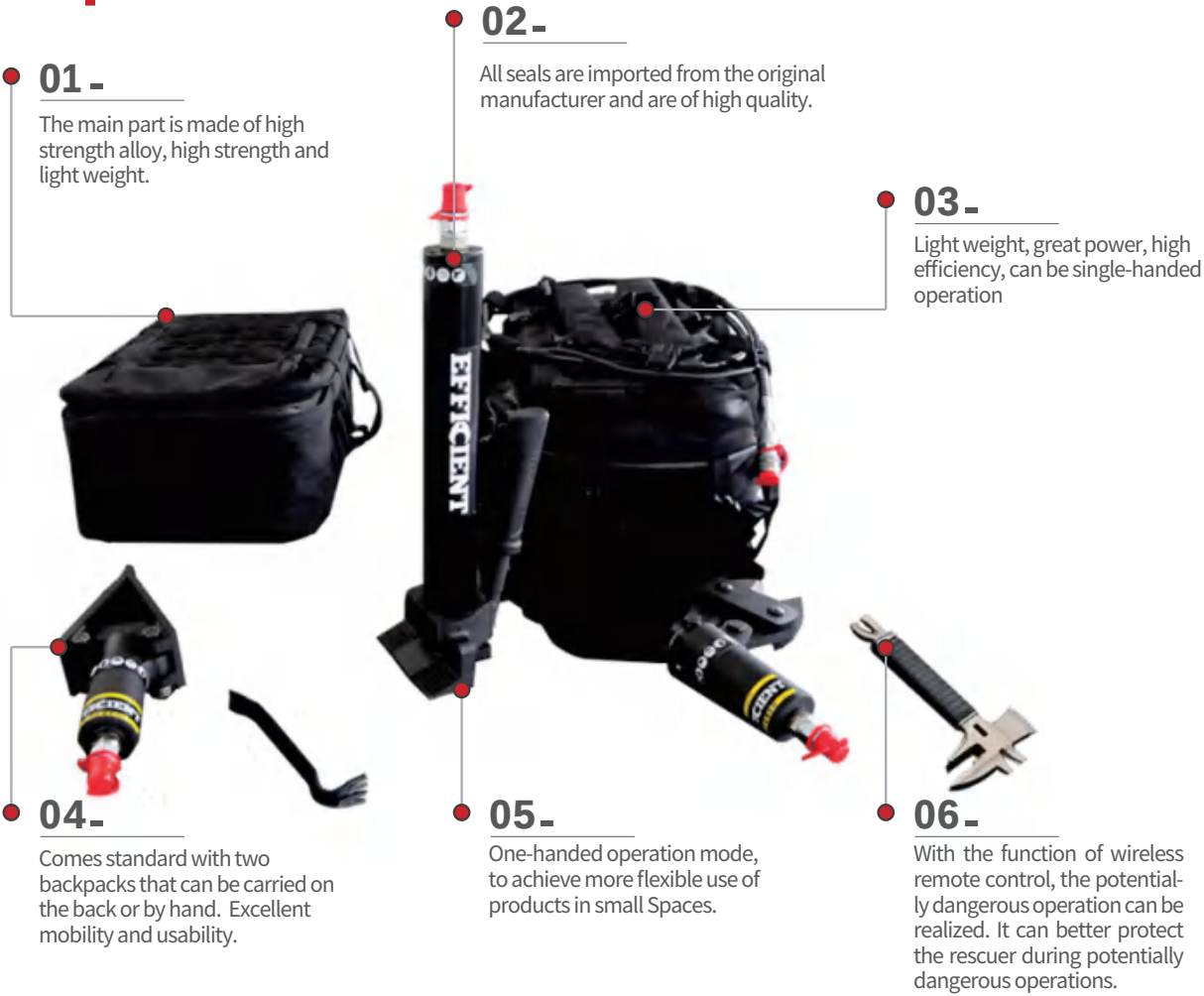
Lifting air bags is a rescue aid lifting product powered by compressed gas, which can lift weights in extremely narrow bag. It has remarkable characteristics of thickness thin, large travel, short lifting time, strong adaptability.

Technical Parameter 技术参数

Square lifting air bags	Size (cm)			Weight	Working pressure	Demand for gas	Max. lifting tonnage	Max. lifting height
Model /Specification	Length	Width	Height	kg	bar	L	T	cm
QQD3-5/0.8(5T)	30	30	2.5	2.4	8	42	5.5	16
QQD5-10/0.8(10T)	38	38	2.5	4.2	8	86	10.1	21
QQD7-10/0.8(15T)	45	45	2.5	6	8	152	13.5	25
QQD10-15/0.8(20T)	55	55	2.5	8.5	8	296	21.6	30
QQD15-15/0.8(30T)	61	61	2.5	11.5	8	416	27.8	34
QQD23-20/0.8(45T)	78	78	2.7	19.1	8	921	45	42
QQD27-20/0.8(55T)	87	87	2.7	23.9	8	1305	55	47
QQD27-20/0.8(68T)	95	95	2.7	26.5	8	1408.1	65	53

EHK-5B

Battery Hydraulic Rescue Backpack EHK-5B



- Main Features**
主要特点
- 01/ The main part is made of high strength alloy, high strength and light weight.
 - 02/ All seals are imported from the original manufacturer and are of high quality.
 - 03/ Light weight, great power, high efficiency, can be single-handed operation
 - 04/ Comes standard with two backpacks that can be carried on the back or by hand. Excellent mobility and usability.
 - 05/ One-handed operation mode, to achieve more flexible use of products in small Spaces.
 - 06/ With the function of wireless remote control, the potentially dangerous operation can be realized. It can better protect the rescuer during potentially dangerous operations.

Brief Introduction
EHK-5B介绍

The Remote Control Battery Rescue Backpack EHK-5A1 set is composed of: electric pump, micro-door opener, micro-spreader, micro-cutter, Rebar cutter, crowbar and other products. It is characterized by light weight, great strength and high efficiency. It is often used in demolition work, especially for concrete demolition. It is a single-tube, single-handed operation machine that can be operated by a single hand. It is a miniature hydraulic rescue product with a single hose that can be operated manually.

DOOR OPENER

微型开门器



Technical Parameter
技术参数

01/ Rated working pressure	50MPa
02/ Max. spreading force	63.58kN
03/ Spreading distance	260mm
04/ Closed length	460mm

MICRO SPREADER

微型扩张器



Technical Parameter
技术参数

01/ Rated working pressure	50MPa
02/ Max. spreading distance	90mm
03/ Spreading force	31.3kN

MICRO CUTTER

微型剪切器



Technical Parameter
技术参数

01/ Rated working pressure	50MPa
02/ Cutting capacity (treated steel)	Can cut 20mm round bar
03/ Opening distance	35mm

BATTERY PUMP

电动泵



Technical Parameter
技术参数

01/ Hydraulic oil tank capacity	1L
02/ Engine power	450W
03/ Chargeable Battery	24V、 5Ah
04/ Weight	14.28kg
05/ Operation type	Wired controller

MANUAL DISMANTLING TOOL

手动破拆工具

07.

Designed to improve rescue
operation efficiency

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PAGE-061



Hand pump



Combi tools



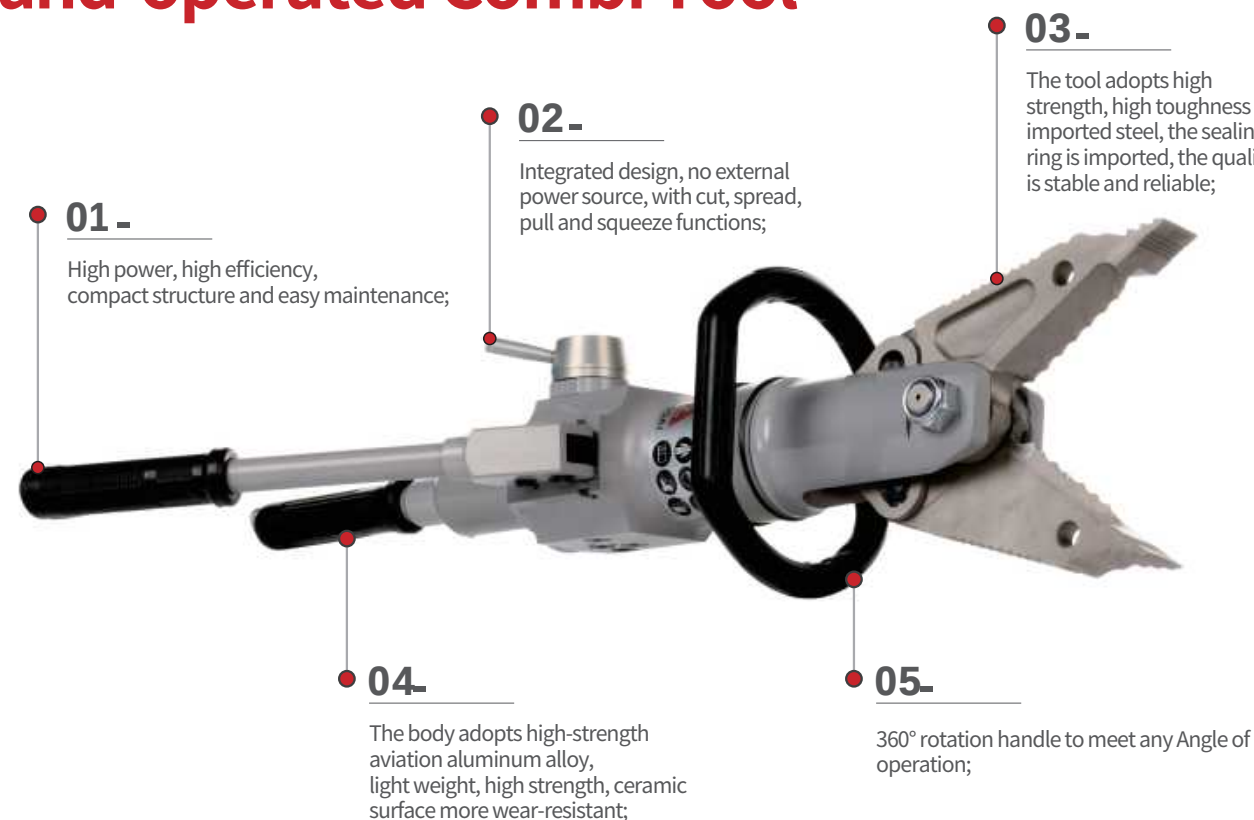
Extension strut



Working head

BJK-A

Hand-operated Combi Tool



Brief Introduction

便携式的剪扩器A介绍

The pump, fuel tank and tools are integrated together, the weight is only 10kg, and it has many functions such as spreading, cutting, squeezing and pulling. Lightweight, easy to carry, transport and use, No external power source and hose required, the portable hydraulic rescue combi tool can work independently. The assembly part for cutter and hand pump can be freely rotates 360° so it is always in the ideal working position.

Usually used in firefighting, earthquake rescue, traffic rescue and other emergency rescue scenarios.

Main Features

主要特点

- 01/** High power, high efficiency, compact structure and easy maintenance;
- 02/** Integrated design, no external power source, with cut, spread, pull and squeeze functions;
- 03/** The tool adopts high strength, high toughness imported steel, the sealing ring is imported, the quality is stable and reliable;
- 04/** The body adopts high-strength aviation aluminum alloy, light weight, high strength, ceramic surface more wear-resistant;
- 05/** 360° rotation handle to meet any Angle of operation;

Technical Parameter

技术参数

01/ Rated working pressure	63Mpa
02/ Max. cutting force	392KN
03/ Spreading distance	≥160mm
04/ Spreading force	31.4~33.3KN
05/ Cutting capacity (Round bar)	10mm(Steel plate) φ20mm(round steel)
06/ Weight	10.2kg
07/ Applicable temperature	-30℃~55℃
08/ Dimensions (L*W*H)	735*212*146mm



Appropriate for any type of operation

PAGE-062

FDMP-7

Door Breaking Kit (6)

01 -

The main body is made of high-strength alloy, which is strong and lightweight. High strength and light weight.

02 -

All seals are imported from Europe and the United States.The quality is better and the reliability is better.

03 -

Powerful, efficient, and simple one-handed operation. Simple, single-handed operation.

04 -

Flexible use in small spaces.



Main Features

主要特点

Brief Introduction

便携式防盗门破拆工具组介绍

- 01/** The main body is made of high-strength alloy, which is strong and lightweight. High strength and light weight.

02/ All seals are imported from Europe and the United States.The quality is better and the reliability is better

03/ Powerful, efficient, and simple one-handed operation.Simple, single-handed operation.

04/ Flexible use in small spaces.
- The tool set is mainly used for breaking open roll-up curtains and metal burglary alarms, and includes: hydraulic manual pumps, door openers, Mini spreader, Mini cutter, rebar cutter, and multi-function axes, etc., and single-hose, single-hand-operated, lightweight and miniaturized hydraulic rescue equipment.

FDMP-7

Multi-function axe



GYKZ-42/150-W

Mini spreader



Technical Parameter

技术参数

01/ Weight	2.07kg
02/ Length	307mm

Technical Parameter

技术参数

01/ Spreading distance	150mm
02/ Spreading force	48.5kN
03/ Weight	3.25kg

BS63/0.8-B

Hand pump



Technical Parameter

技术参数

01/ Rated working pressure	72MPa
02/ Rated flow rate	0.83ml/per time
03/ Low pressure flow rate	7.5ml/ per time
04/ Hydraulic oil tank capacity	0.7L
05/ Max handle force	260N
06/ Weight	2.92kg
07/ Dimensions (L x W x H)	400*115*150mm

GYSD-63-14/28-A

Rebar cutter



Technical Parameter

技术参数

01/ Rated working pressure	72MPa
02/ Max opening distance	22mm
03/ Cutting capacity	Q235 Round bar φ18mm
04/ Weight	2.6kg
05/ Dimensions (L x W x H)	300*60*55mm

GYJQ-63-18/60

Mini cutter



Technical Parameter

技术参数

01/ Opening distance	62mm
02/ Cutting capacity	Q235 Round bar φ18mm
03/ Weight	2.91kg

GYKM-63-60/100-W

Door opener



Technical Parameter

技术参数

01/ Max. spreading distance on toe	180mm (Including thread extension length,hydraulic cylinder stroke is 100.0)
02/ Max. opening force on saddle	51.73kN
03/ Weigh	3.92kg

CJS6000-B

Manual Breaking Tool Kit (8)

01 -

The impact head is made of high-strength tool steel.
The impact head is made of high-strength tool steel for strength, toughness and durability;

02 -

The moving parts are equipped with protective cover, shear anti-splash, automatic reset manual steering valve, etc., to provide safety assurance for the operator;

03 -

High strength steel forging, coated with anti-rust and anti-corrosion coating is easy to maintain

04 -

The special design makes the operation force completely concentrated on the breaking point, in order to achieve the purpose of saving time and labor and high efficiency;

05 -

It does not require a lot of swinging operation space, especially suitable for use when there are many people around or in the dark.

Brief Introduction

手动破拆工具组介绍

Aolai series manual breaking tools does not need power, are rescue tools carried carried by one person for manual operation, equipped with chisel, cutting, smashing, prying and other working methods of the working head. Especially suitable for the initial earthquake rescue work, can break wall buildings, floors, windows and doors of vehicles, locks, etc., in the case of other rescue equipment can not be deployed, can quickly rescue trapped people.



Technical Parameter

技术参数

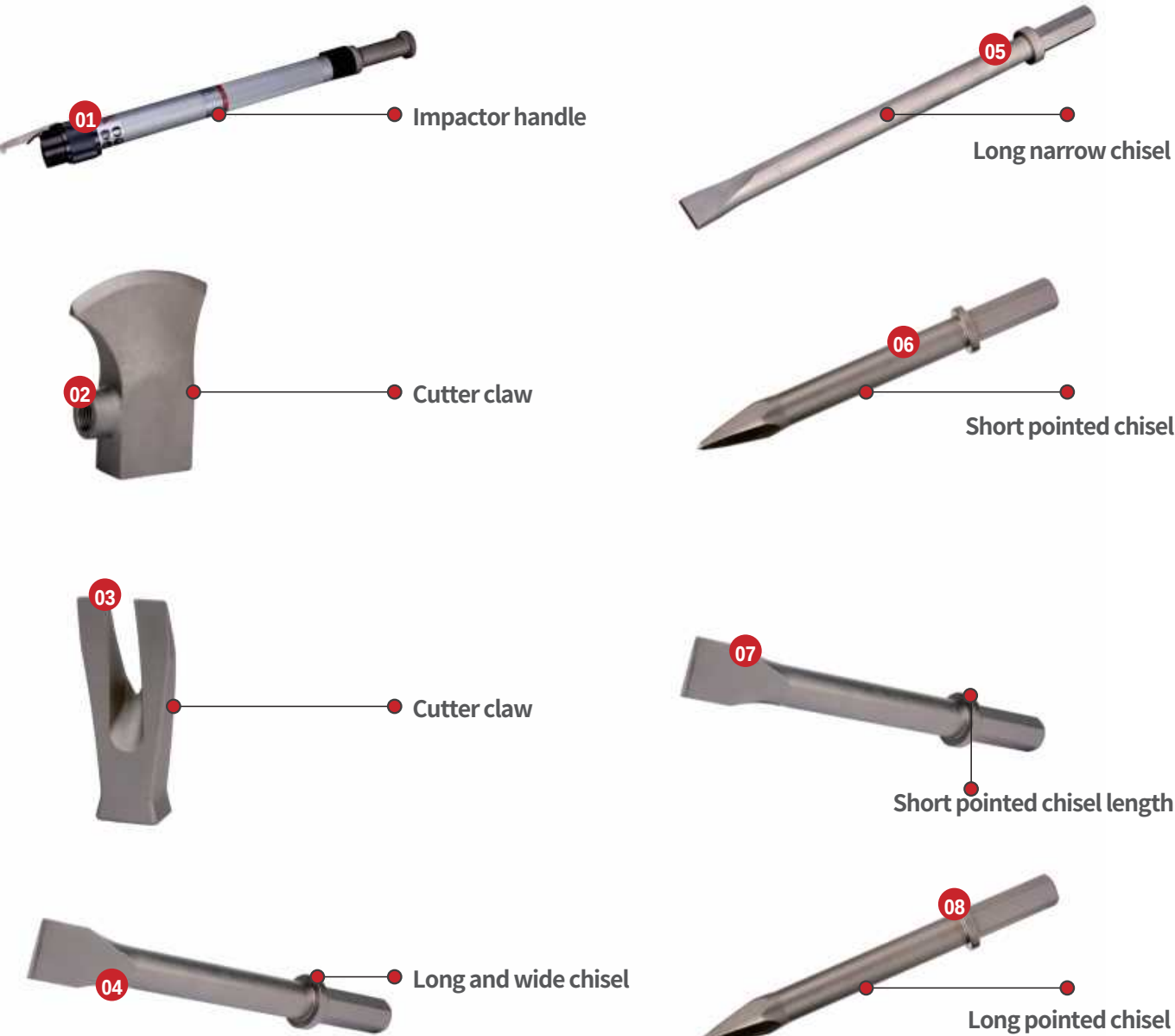
01/ Distance between the impactor jack and the side	24.4mm	02/ Distance to the side of the jack of the working head	23.8mm	03/ Cutter claw length	465mm
04/ Length of nail puller claw	454mm	05/ Long and wide chisel length	462mm	06/ Long narrow chisel length	455mm
07/ Long pointed chisel length	460mm	08/ Short narrow chisel claw length	230mm	09/ Short pointed chisel length	228mm
10/ Total weight	18.72kg	10/ Hardness	506HBW5/750		

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PAGE-065

Standard Configuration

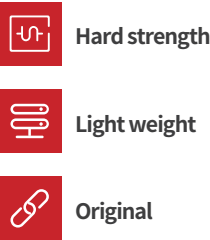
标配介绍



Main Features

主要特点

- 01/ The impact head is made of high-strength tool steel. The impact head is made of high-strength tool steel for strength, toughness and durability;
- 02/ The moving parts are equipped with protective cover, shear anti-splash, automatic reset manual steering valve, etc., to provide safety assurance for the operator;
- 03/ High strength steel forging, coated with anti-rust and anti-corrosion coating is easy to maintain
- 04/ The special design makes the operation force completely concentrated on the breaking point, in order to achieve the purpose of saving time and labor and high efficiency;
- 05/ It does not require a lot of swinging operation space, especially suitable for use when there are many people around or in the dark.



PAGE-066

RESCUE ROBOT

Fire Robot



08.

Safe and efficient, emergency rescue,
one machine multi-purpose

RXR-MC80BD Fire Robot

Main Features

主要特点

01-

The water cannon adopts electronically controlled fire water cannon with a flow rate of 80L/s.

02-

The electric chassis has a range of up to 8h and is equipped with a water cannon and a detector.

03-

The gas detection module integrates the camera, gas detector and pickup on the same lift-down head, providing the operator and decision maker with clear images and sound collection of the rescue scene, and also can detect harmful gases such as flammable and explosive.

04-

The Fire Extinguishing Robot is a remote-controlled robot that can assist in fire rescue.

Technical Parameter

技术参数

01/ Working pressure (MPa)	0.8~1.2	07/ Working time (h)	2~8	12/ Brake mode	Electromagnetic brake
02/ Range (m)	88	08/ Speed (km/h)	5.8	13/ Protection level	IP 67
03/ Flow rate (L/s)	80	09/ Barrier height (mm)	200	14/ Battery	48、120
04/ Horizontal movement angle (°)	-90~+90	10/ Gradeability	Traverse side slopes 45°; Ascend slopes Side slope 35°	15/ Weight (kg)	560
05/ Vertical movement angle (°)	-15~+90	11/ Remote control distance (m)	1200	16/ Dimensions (mm) (L*W*H)	1370x840x1220
06/ Water supply interface (mm)	80x2				

Strong Fire Extinguishing Ability

灭火能力强

Adopt the Amiron electronic control fire water cannons the flow can up to 80L/s, have a better fire fighting ability. Equipped with Amiron 3482 water cannon, the robot has straight stream and fog two modes: straight stream mode for solid fire extinguish. Fog mode can also be used for cooling and fire rescue.

Self-defense water curtain protection can make sure that the robot work in high temperature environment.

Strong Investigative Ability

侦检能力强

The gas detection module integrates the camera, gas detector and pickup on the same lift-down head, providing the operator and decision maker with clear images and sound collection of the rescue scene, and also can detect harmful gases such as flammable and explosive. The gas detection module is loaded on a platform with camera, microphone and detector, can provide the photos, voice and the data of dangerous gas to rescuers. The detector can analysis six kinds of different dangerous gas, then rescuers can choose the best way for the rescue operation. Besides, it can also detect and track the heat source through the equipped hot eye detection platform.

POWER STATION

动力站



AL18 动力站
AL13 单回路液压动力站
AL27-TWIN 双回路液压动力站



液压动力



路面抢修



道路施工



市政维保

AL18

HYDRAULIC POWER STATION

Product Features 产品特点

04.

One-button on/off design, full range of electronic control design, one-button on/off of hydraulic oil, easy and fast operation

03.

The new shock-absorbing design cuts off the high-frequency vibration of the gasoline engine at the source, greatly reducing the risk of cracking of the fuel tank and frame.

02.

Compact structure, light weight, easy to transport

01.

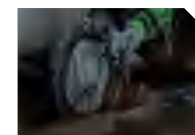
Stable and reliable performance, imported engine, large capacity hydraulic oil radiator



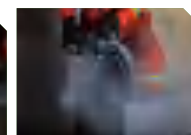
Product Introduction

AL18 简介

The standard hydraulic power station provides a convenient and reliable power source for various hydraulic tools, and is suitable for work scenarios such as road repair and road construction.



路面抢修



道路施工



市政维保

Technical Parameter

技术参数

01/ Gasoline Engine	18HP Briggs & Stratton 18HP
02/ Maximum hydraulic system pressure	16Mpa
03/ Hydraulic flow	2*20/1*40lpm
04/ Dimensions	980*560*800mm
05/ Bare Metal Weight	140kg
06/ Hydraulic oil tank capacity	18L
07/ Fuel tank capacity	20L
08/ Starting method	Electric
09/ Oil circuit and control method	Electronic Control



AL13

SINGLE CIRCUIT HYDRAULIC POWER STATION

Product Features 产品特点



Product Introduction AL13 简介

A small, portable, low-medium pressure hydraulic power source. It provides a convenient and reliable power source for various hydraulic tools and is suitable for work scenarios such as road repair, road construction, and municipal maintenance.

Technical Parameter 技术参数

01/ Gasoline Engine	13HP
02/ Maximum hydraulic system pressure	16Mpa
03/ Hydraulic flow	18-30lpm(Adjustable)
04/ Starting method	Electric start/pull rope start
05/ Oil circuit control method	Manual Control
06/ Number of oil return lines	one
07/ Noise level	90db

AL27-TWIN

DUAL CIRCUIT HYDRAULIC POWER STATION

Product Features 产品特点



Product Introduction AL27-TWIN 简介

The dual-circuit hydraulic power station has the function of displaying pressure and working time. It is convenient for real-time monitoring of pressure conditions and is also conducive to rapid troubleshooting and handling of faults. Equipped with a microcomputer controller, it adjusts the engine output power in real time according to the load conditions to achieve the best fuel utilization rate.



Pressure and working time
display function

Technical Parameter 技术参数

01/ Output Interface	High voltage dual interface output,
02/ Hydraulic power take-off	low voltage dual interface output
03/ Engine power	27hp
04/ Low pressure output pressure (bar)	165bar
05/ High pressure output pressure (bar)	638bar
06/ Low pressure maximum flow output (lpm)	60.3lpm
07/ High pressure minimum flow output (lpm)	2.4lpm
08/ Starting method	Electric start

CONCRETE TOOLS

混凝土工具

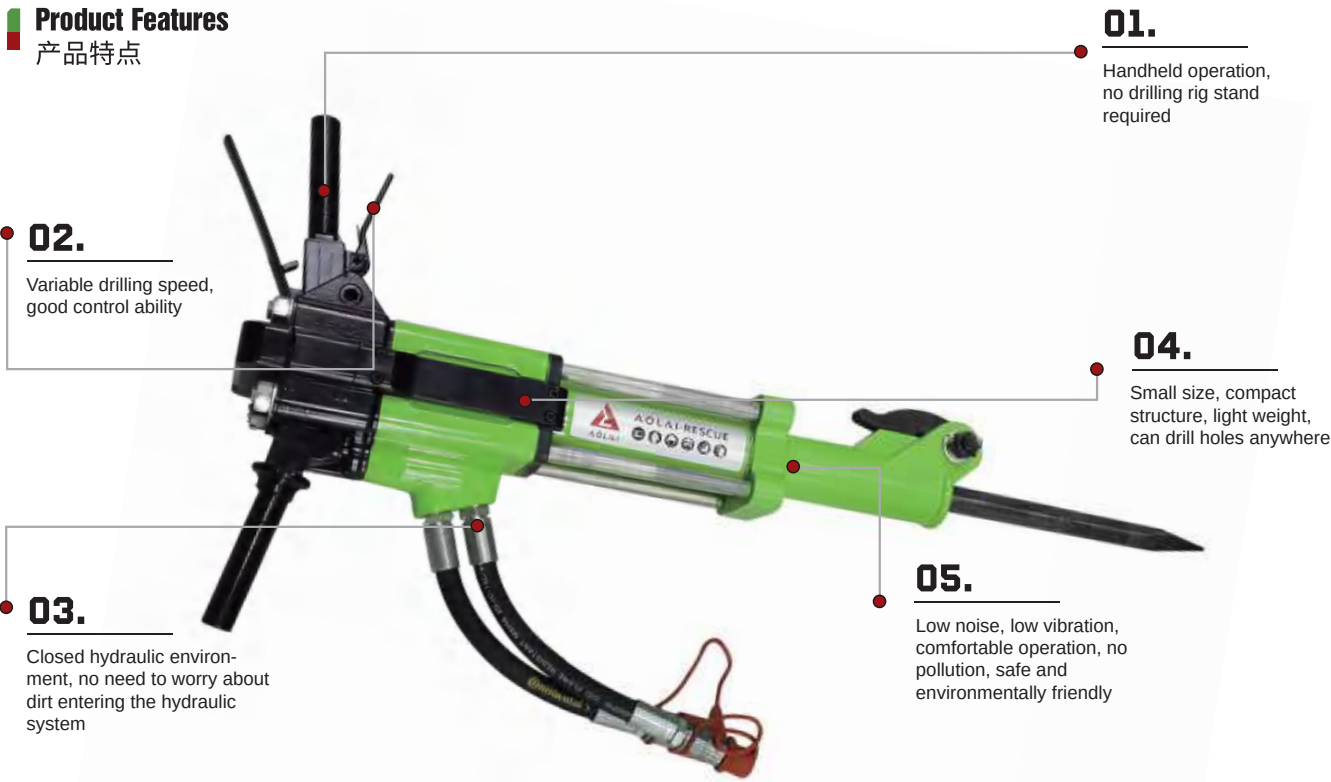


为破碎混凝土、岩石、沥青、
冻土、砖墙等而设计制造。

ALHB-20

HEAVY HYDRAULIC BREAKER

Product Features 产品特点



Product Introduction ALHB-20 简介

ALHB-20 hydraulic breaker is specially designed and manufactured for crushing concrete, rock, asphalt, frozen soil, brick wall, etc. It has a compact structure and a wide range of applications. Although it is light in weight, it can complete various tough crushing tasks. The equipment is an integral or shock-absorbing handle, and the

Technical Parameter 技术参数

01/	Weight	21.8 KG
02/	Flow	30.1 lpm
03/	Impact rate	1515bpm
04/	Work Pressure	165bar
05/	Vibration intensity (m/s²)	6.5m/s²



Concrete



Rock



Asphalt



Frozen Soil



Brick Wal

HYDRAULIC DISC SAW

Product Features 产品特点



Product Introduction 液压圆盘锯简介

Hydraulic circular saw is a commonly used hydraulic power cutting tool. It can be used to cut concrete, masonry, pipes, structural steel beams and guardrails with different saw blades. This equipment has the advantages of high efficiency, low noise, high reliability, small size and light weight, and is very suitable for various engineering and emergency rescue.



Technical Parameter 技术参数

01/	Saw blade diameter	355mm
02/	Maximum cutting depth	132mm
03/	Maximum speed of return plate	4630rpm
04/	Workflow	20~40L/min(Adjustable)
05/	Maximum working pressure	165bar
06/	Vibration acceleration (vibration level)	2.2m/s
07/	Weight	12.1kg

HYDRAULIC ROCK DRILL

Product Features 产品特点



Product Introduction 液压岩石钻简介

It is widely used in the demolition and partial reconstruction of various reinforced concrete foundations (such as steel furnaces, various heavy equipment, tower cranes, dams, hydraulic structures of hydropower stations, bridge piers, etc.); demolition of reinforced concrete floors/walls; demolition of indoor or narrow room concrete structures.

Technical Parameter 技术参数

01/ Working Mode	Rotation, impact mode
02/ Slag cleaning mode	Built-in integrated air compressor
03/ Impact frequency (times/minute)	1520 /min
04/ Flow rate (lpm)	40lpm
05/ Maximum working pressure (bar)	160bar
06/ Maximum drilling diameter (mm)	55mm
07/ Maximum drilling depth (m)	3.006m
08/ Weight(kg)	19.2kg

ALHB-10

LIGHT HYDRAULIC BREAKER

Product Features 产品特点



Product Introduction ALHB-10 简介

Light hydraulic breaker is specially designed and manufactured for crushing concrete, rock, asphalt, frozen soil, brick wall, etc. It is widely used in highway, municipal, gas, highway, electric power, telecommunications, railway, fire protection and construction industries. This product is an integral shock-absorbing handle with compact structure and light weight, and the operation mode is vertical downward operation.

Technical Parameter 技术参数

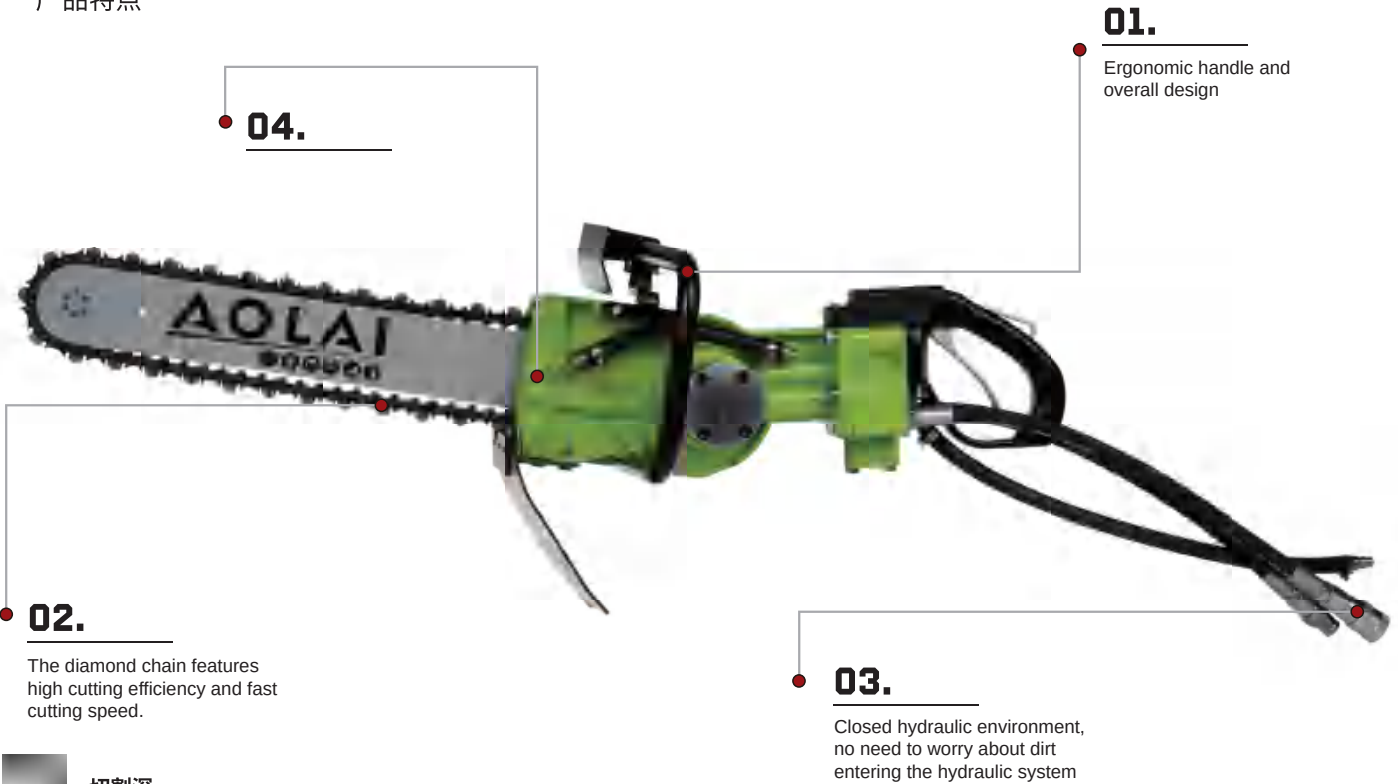
01/ Flow	20lpm
02/ Impact frequency (times/minute)	2120/min
03/ Vibration intensity	9.6m/s ²
04/ Weight	9.6kg



ALDS-3

HYDRAULIC CHAIN SAW

Product Features 产品特点



- 切割深
- 重量轻
- 效率高
- 结构紧凑
- 功率高
- 寿命长
- 易保养

Product Introduction ALDS-38 简介

Hydraulic diamond chain saw can be used for cutting rock, concrete, etc., with a deeper cutting depth. Light weight, high efficiency, compact structure, high power, long life and easy maintenance.

Technical Parameter 技术参数

01/ Weight	9.7KG
02/ Cutting Depth	382mm
03/ Chain plate size	504mm
04/ Working pressure	174bar
05/ Flow	31.8lpm

Ergonomic

ALRS-40

HYDRAULIC ANNULAR SAW

Product Features 产品特点



Product Introduction ALRS-40 简介

Hydraulic circular saw is the perfect tool for cutting mixed meal, brick wall, asphalt, etc. The equipment is small in size, light in weight, and deep in cutting. The cutting depth of the hydraulic circular saw is more than 1.5 times that of the traditional disk saw, and this kind of product has been widely pushed by emergency rescue personnel, and the application field is constantly expanding.



Technical Parameter 技术参数

01/ Bare weight	10.2kg
02/ Flow	20-40 lpm
03/ Maximum working pressure	163bar
04/ Maximum cutting depth	300mm
05/ Saw blade diameter	400mm
06/ Rotation speed	1750-2350 rpm
07/ Vibration intensity	< 2.5m/s ²

ALRP-90

HANDHELD CONCRETE SPLITTER

Product Features

产品特点



Product Introduction

ALRP-90 简介

The concrete handheld hydraulic splitter is a hydraulic driven rock splitting equipment. The product uses high pressure hydraulic oil as the power source, cleverly applies the oblique wedge doubling principle, the splitting force of the rock reaches hundreds of tons, or even thousands of tons, and the splitter can easily split the boulder in a few seconds, so that the hard ore is separated from the mountain.

Technical Parameter

技术参数

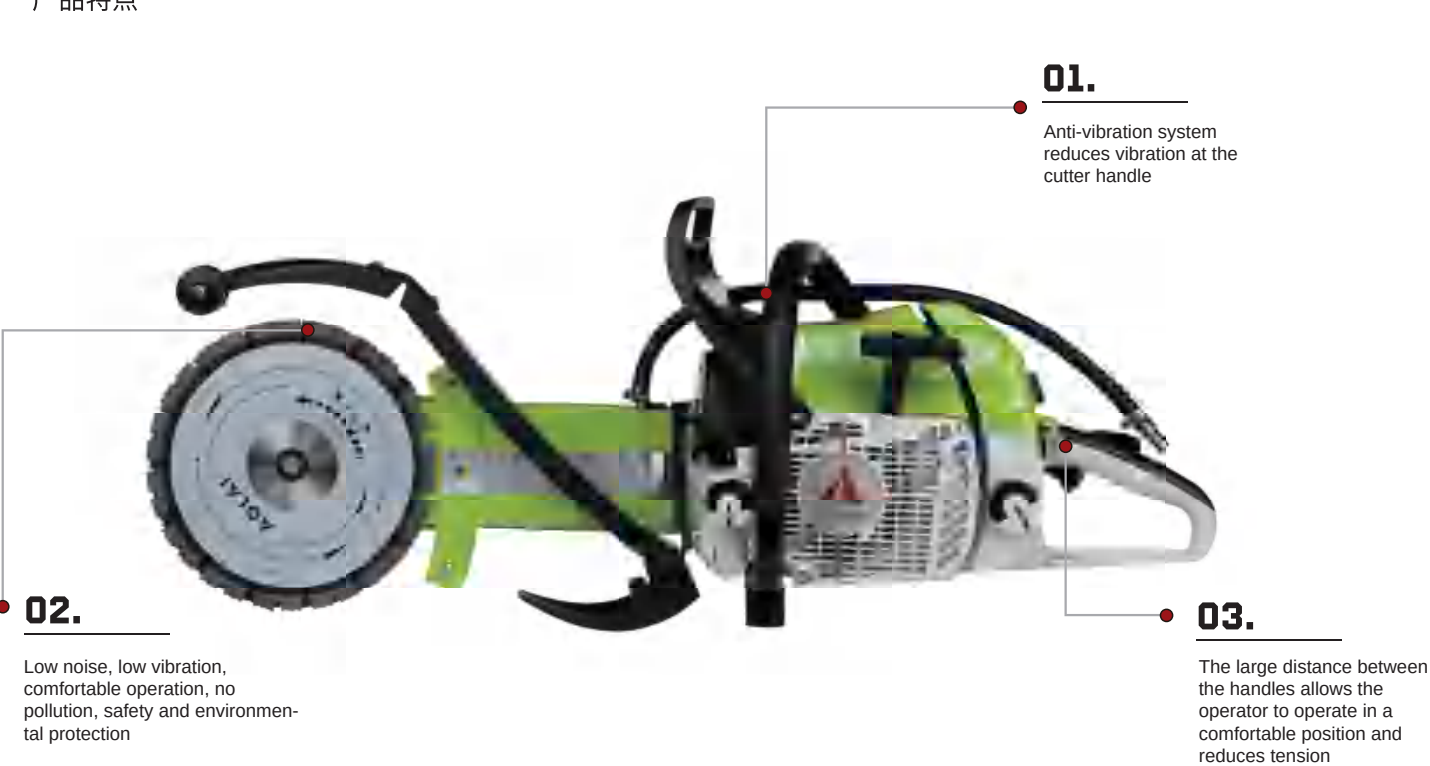
01/ Aperture (mm)	45-48mm
02/ Splitting force (t)	375.2t
03/ Max hole depth (mm)	608mm
04/ Crack width (mm)	72mm
05/ Split length (mm)	1035mm
06/ Length of wedge (mm)	245mm
07/ Weight (kg)	29kg

ALCB-74

DOUBLE-BLADE INTERNAL COMBUSTION CUTTING SAW

Product Features

产品特点



Product Introduction

ALCB-74 简介

Double-blade internal combustion cutting saw engine does not need an external power source to operate strong power, in the industry, it can complete a very difficult to complete the work, small size, light weight and easy to carry, double saw blade cutting saw effect is higher, there are traditional cutting saw can not replace the advantages.



Technical Parameter

技术参数

01/ Engine	Air cooling 2 stroke
02/ power (kw)	3.7kw
03/ Maximum cutting depth (mm)	402mm
04/ Saw blade maximum speed (rpm)	5924rp
05/ Displacement (cc)	74cc
06/ Ultimate peripheral speed (m/s)	80.6 m/s
07/ Weight (kg)	11.6kg

SLURRY PUMP

SLURRY PUMP

Product Features

产品特点



Product Introduction

渣浆泵简介

Using cast aluminum shell, light weight, high efficiency, compact structure, light weight, high work, long life, easy to maintain, the world's top sealing ring brand with patent seal structure, high reliability, long service life, easy to maintain.

Technical Parameter

技术参数

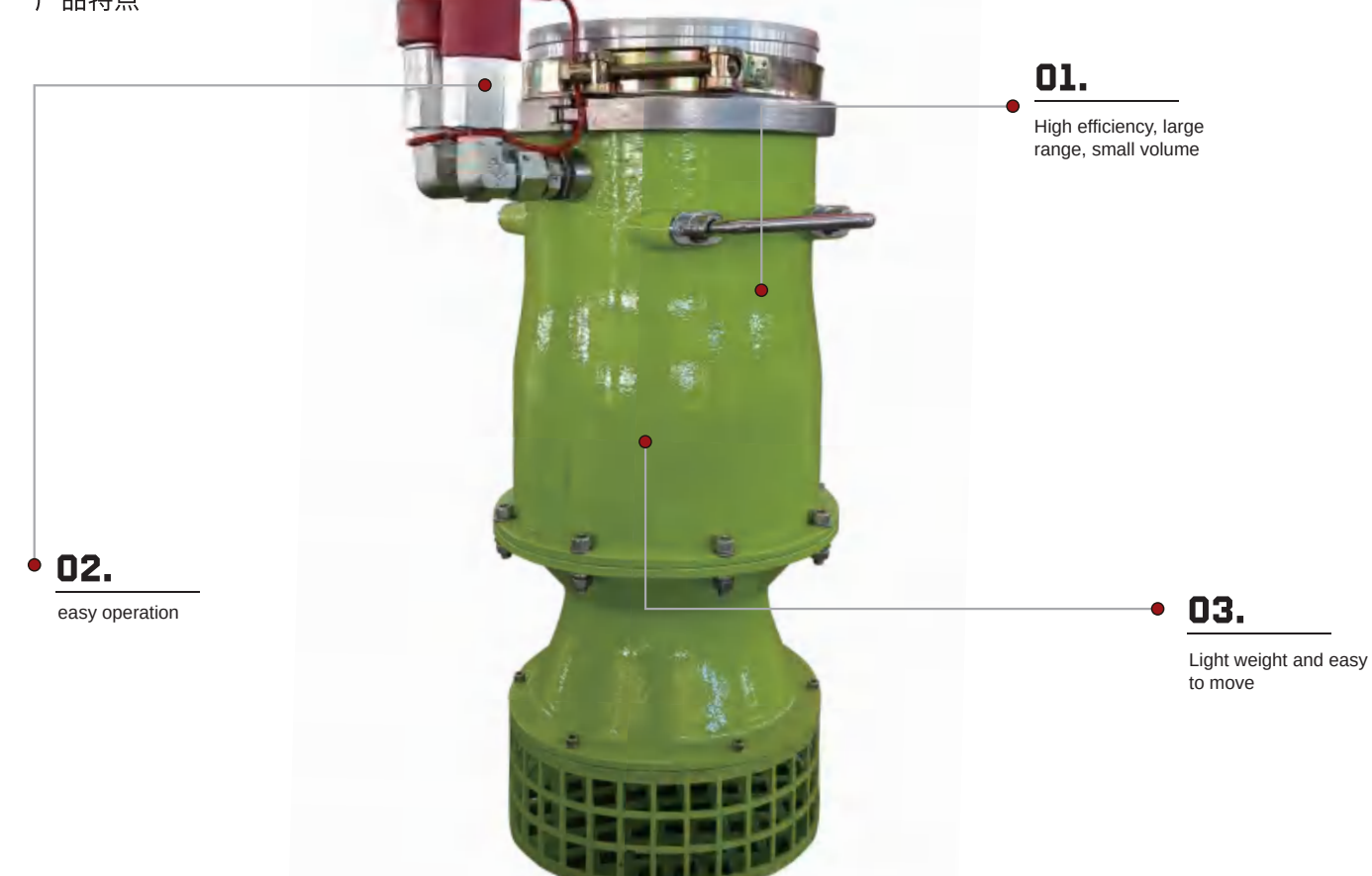
01/ Material	All-metal cast aluminum shell
02/ Flow (lpm)	20-30(Adjustable)
03/ Maximum working pressure (bar)	239bar
04/ Maximum working pressure (bar)	106.3 (m / h)
05/ Head of delivery (m)	25.6m
06/ Suctable diameter of solid particles (mm)	70(mm)
07/ Weight	10.9kg

ZDSP-4515

HYDRAULIC SUBMERSIBLE PUMP

Product Features

产品特点



Product Introduction

ZDSP-4515 简介

Large flow portable hydraulic submersible pump is widely used in urban flood control and drainage, emergency rescue and relief, field Engineering construction, subway construction and water supply and drainage occasions in places without three-phase power supply.



Technical Parameter

技术参数

01/ Hydraulic flow rate is	38L/ min
02/ Displacement	405.1 m³ / h
03/ Pump	304 stainless steel material, corrosion resistance, wear resistance
04/ Head of delivery (m)	4.4 m (displacement not less than 390 m³/ h)
05/ Working medium and temperature range	≤70℃ Non-corrosive liquid such as clean water and sewage (particulate matter diameter 25mm)
06/ Working environment and working temperature	-15~+50℃ indoor and field