

Shandong Aolai Machinery Technology CO., LTD



CATALOG OF PRODUCTS

I、 Motor Power packs	1
1、 Triple Output Motor Pump	1
2、 Double Output Motor Pump	2
3、 Hand Pump	3
4、 Portable HydraulicHand Pump.....	4
5、 Single Out-put Motor Pump	5
II、 Q-Hydraulic rescue tools	6
1、 Single Out-put Motor Pump	6
2、 Q-Hydraulic Rescue Cutter	7
3、 Q-Hydraulic Combined Tool	8
4、 Q-Hydraulic Spreader.....	9
5、 Q-Hydraulic Ram	10
III、 Hydraulic Rescue Tools.....	11
1、 Hydraulic Spreader Tool.....	11
2、 Hydraulic Combined Tool （Spreader and Cutter）	12
3、 Hydraulic Rescue Cutter A.....	13
4、 Hydraulic Rescue Cutter B	14
5、 Hydraulic Hand Combined Tool	15
6、 Hydraulic Universal Plier	16
7、 Hydraulic Wedge Jack	17
IV、 Hydraulic Lifting Equipments	18
1、 Hydraulic Ram A	18
2、 Hydraulic Ram B	19
3、 Hydraulic Ram C	20
4、 Rescue tripod.....	21
5、 Heavy lifting set.....	23
6、 HydraulicJack Set A/B/C/D.....	24
7、 Hydraulic Jack Set A/B/C.....	25
V、 Portable Door Breaking Kit.....	25
1、 Portable Door Breaking Kit （four）	26-27
2、 Portable Door Breaking Kit （six）	28-30
VI、 Manual Rescue Tools& Assit Rescue Equipment	31
1、 Manual Impactor B.....	31
2、 Crowbar	32
3、 Hydraulic Door Opener	33
4、 Hydraulic Tube Squeezer	34
5、 Hydraulic Rebar Cutter.....	35
6、 Hose Reel.....	36
7、 Air lifting bag.....	37
8、 Hydraulic door open.....	38
9、 Three-Level Pump.....	39
10、 Assault Rescue Sets.....	40-41
11、 Hydraulic hose pipeline.....	42
12、 Hand breaking tool kit.....	43-44

VII Battery rescue equipment.....	45
1、 Battery rescue cutter	45-46
2、 Battery rescue spreader.....	47-48
3、 Battery rescue combi tool.....	49-50
4、 Electric Ram.....	51
5、 Battery Pump.....	52-53
VIII Heavy Rescue Tool.....	54
1、 Heavy Rescue cutter.....	54
2、 Heavy Rescue Spreader Cutter	55
3、 Heavy Rescue Spreader.....	56
4、 Bi-direction Ram.....	57
IX Backpack Electric-Hydraulic Sets.....	59-61
Multifunctional Waist Axe.....	62

I 、 Motor Power packs

1、 Triple Output Motor Pump

Triple Output Motor Pump			
Product Description		Picture	
<p>This hydraulic motor pump is mainly applied for rescue field as power source; it is characterized of compact structure, high mobility, light weight and beautiful appearance, there are different models provided, including single, double and 3 input-output, thus various working requirements can be well met</p>			
<p>Application: 1. Traffic accident and air disaster rescue. 2. Earthquake and other geological disasters rescues 3 Building collapses and others</p>			
<p>Features: 1. Widely application, two-stage pressure output, two working speeds; 2.3 sets of tools can be connected and work at the same time, greatly increasing working efficiency; 3. Automatic shift between high and low pressure, convenient 4. Working temperatures: -30 °C - 55 °C, suitable for most rescue environments 5. German Kohler engine ensures a high working performance.</p>			
Technical Parameters			
Model	BJQ-3-63/0.6	Applicative Temperature	-30~55℃
Power	German Kohler XT-6 engine	Motor Power	2.6kw
Rated Working Speed	3600±200rpm	Gasoline Volume	1L
Working Pressure	720 Bar	Hydraulic Oil Volume	9L
Rated Output Flow(high flow)	≥0.6L/min*3	Weight	48Kg
Rated Output Flow(low flow)	≥2.3L/min*3	Dimensions L*W*H	600*460*420mm

2、 Double Output Motor Pump

Double Output Motor Pump			
Product Description		Picture	
<p>This hydraulic motor pump is mainly applied for rescue field as power source; it is characterized of compact structure, high mobility, light weight and beautiful appearance, there are different models provided, including single, double input-output, thus various working requirements can be well met.</p>			
<p>Application: 1. Traffic accident and air disaster rescue, 2. Earthquake and other geological disasters rescues 3 Building collapses and others</p>			
<p>Features: 1. Widely application, two-stage pressure output, two working speeds; 2. Two sets of tools can be connected and work at the same time, greatly increasing working efficiency; 3. Automatic shift between high and low pressure, convenient 4. Working temperatures: -30 ℃ - 55 ℃, suitable for most rescue environments. 5. Engine G*100 ensures a high working performance.</p>			
Technical Parameters			
Model	BJQ-2-63/0.6-A		
Power	Japanese Honda Engine G*100	Motor Power	2.2kw
Rated Working Speed	3200±200rpm	Gasoline Volume	1L
Working Pressure	720 Bar	Hydraulic Oil Volume	3L
Rated Output Flow(high flow)	≥0.68L/min*2	Weight	28.5Kg
Rated Output Flow(low flow)	≥2.5L/min*2	Dimensions L*W*H	390*340*460 mm

3、 Hand Pump

Hand Pump			
Product Description		Picture	
<p>This hydraulic hand pump is mainly applied as hydraulic power source, it is characterized of compact structure, light weight and powerful capacity, thus is widely applied for rescue fields.</p>			
<p>Application: 1.Mine rescue, traffic accident rescue;2.Earthquake disaster and building collapse rescue;3.Police equipment for stable, aircraft accident rescue;4.Other geological disasters rescue,</p>			
<p>Features: 1. Compact structure, light and portable; 2.3 meters hydraulic oil pipe matched with hand pump, which can be connected directly to accurate rescue time. 3. Key parts imported from Germany. 4. Automatic shift between high and low pressures, 5.working temperature can be -30°C ~ 55°C. 6. Center bolt installed inside pump, stability and service time can be 50% longer than counterparts.</p>			
Technical Parameters			
Model	BS63/1.5-A		
Pressure of Low-pressure Output	5-10MPa	Max. Force of Hand Bar	350N
Working Pressure	720 Bar	Volume of Hydraulic Oil	2L
Low Output Pressure Flow	≥1.5ml/per	Weight	6.5Kg
Rated output Flow	1.5ml/time	Dimensions L*W*H	715*180*170 mm

4、 Portable Hydraulic Hand Pump

Hand Pump			
Product Description		Picture	
<p>This hydraulic hand pump is mainly applied as hydraulic power source, it is characterized of compact structure, light weight and powerful capacity, thus is widely applied for rescue fields.</p>			
<p>Application: Traffic accident rescue, earthquake disaster relief accident rescue etc.</p>			
<p>Features: 1.Hand Pump is suitable for inflammable places, operation in process, NO SPARKS.2.With high and low voltage grade output, automatically changing to sped up rescue process3.Can work with any hydraulic tools manufactured by Aolai company.4.Seals used are imported from German, no leakage5.Wide range of application6.Hydraulic oil for aviation, can be working at -30℃~55℃ environmental temperatures,7.Operating noise free .</p>			
Technical Parameters			
Model	BS63/0.8-B		
Pressure of Low-pressure Output	5-10MPa	Max. Force of Hand Bar	260N
Working Pressure	720 Bar	Gasoline Volume	0.7L
Low Output Pressure Flow	0.83ml/min	Weight	3.2kg
High Output Pressure Flow	7.5ml/per	Dimensions L*W*H	400*120*160 mm

5、Single Out-put Motor Pump

Single Out-put Motor Pump			
Product Description		Picture	
<p>This hydraulic motor pump is mainly applied for rescue field as power source; it is characterized of compact structure, high mobility, light weight and beautiful appearance, there are different models provided, single input-output, thus various working requirements can be well met.</p>			
<p>Application: 1.Traffic accident and air disaster rescue, 2. Earthquake and other geological disasters rescues, 3 Building collapses and others</p>			
<p>Features: 1. Widely application, two-stage pressure output, two working speeds; 2.One sets of tools can be connected and work at the same time, greatly increasing working efficiency; 3. Automatic shift between high and low pressure, convenient4. Working temperatures: -30 ℃ - 55 ℃, suitable for most rescue environments5. German Kohler engine ensures a high working performance.</p>			
Technical Parameters			
Model	BJQ-63/0.7-Q		
Power	Japanese Honda Engine GXH50	Applicative Temperature	-30~55℃
Rated Working Speed	4800±200rpm	Gasoline Volume	0.77L
Working Pressure	720 Bar	Hydraulic Oil	1.7L
Rated Output Flow(high flow)	≥0.65L/min	Weight	≤14kg
Rated Output Flow(low flow)	≥2.1L/min	Dimensions L*W*H	320*270*390

II、Q-Hydraulic rescue tools
 1、Single Out-put Motor Pump

Single Out-put Motor Pump			
Product Description		Picture	
<p>This hydraulic motor pump is mainly applied for rescue field as power source; it is characterized of compact structure, high mobility, light weight and beautiful appearance, there are different models provided, single input-output, thus various working requirements can be well met.</p>			
<p>Application: 1.Traffic accident and air disaster rescue, 2. Earthquake and other geological disasters rescues, 3 Building collapses and others</p>			
<p>Features: 1. Widely application, two-stage pressure output, two working speeds; 2.One sets of tools can be connected and work at the same time, greatly increasing working efficiency; 3. Automatic shift between high and low pressure, convenient4. Working temperatures: -30 ℃ - 55 ℃, suitable for most rescue environments5. German Kohler engine ensures a high working performance.</p>			
Technical Parameters			
Model	BJQ-63/0.7-Q		
Power	Japanese Honda Engine GXH50	Applicative Temperature	-30~55℃
Rated Working Speed	4800±200rpm	Gasoline Volume	0.77L
Working Pressure	720 Bar	Hydraulic Oil	1.7L
Rated Output Flow(high flow)	≥0.65L/min	Weight	≤14kg
Rated Output Flow(low flow)	≥2.1L/min	Dimensions L*W*H	320*270*390

2、Q-Hydraulic Rescue Cutter

Q-Hydraulic Rescue Cutter	
Product Description	Picture
<p>This hydraulic rescue rebar cutter is specially designed according to working requirements, it is characterized of compact structure, light weight, less working time and advanced functions. This hydraulic rescue cutter is widely applied for traffic accident, earthquake and other disasters rescue.</p>	
<p>Application: 1. Rescue for highway, railway traffic accidents, the earthquake disaster, ship wreck and building collapse2. Cut off vehicle parts, metal structure, heterogenic steel pipe, steel plate and so on.</p>	
<p>Features: 1. Shearing blade adopts high-quality heat-treated tool steel, with surface anodized, good in wearing resistance; 2. Protective cover for main parts to prevent splash during shearing,; 3.Bi-directional self-lock function and automatic reset reversing valve make operation convenient and safe; 4. Ergonomically designed, can automatically push material to the biggest shearing strength of blade center; 5. Less opening and closing time guarantee a faster rescue.</p>	
<p>Technical Parameters</p>	
Model	GYJQ-24/110-Q
Rated Working Pressure	720 Bar
Max. Opening Distance of Blade	90mm
Max. Cutting Force	≥190KN
Max. Shear Capability (Q235 materials)	24mm (Circle steel)
Weight	8.7kg
Dimensions L*W*H	550*170*150 mm

3、Q-Hydraulic Combined Tool

Q-Hydraulic Combined Tool	
Product Description	Picture
Hydraulic Rescue Combi-tool is special rescue tool integrating hydraulic cutter and spreader, different works, shearing, spreading and pulling, can be well done, it is characterized of compact structure, advanced function and easy operation.	
<p>Application: 1、 Traffic accident rescue, earthquake disaster relief and accident rescue etc.;2、 Unclenching the door and metal structure into deformation;3、 Cut metal structure, vehicle parts, pipeline and metal plates</p>	
<p>Features:</p> <p>1.Splashing collapse prevent design during shearing operation with automatic reset manually controlled steering ; 2.valves, provides security for the manipulator;</p> <p>3.Manual control valve operation can drive the blade and fix in any positions with self-locking function; 4.Short period to open and close blades accelerates the rescue process</p>	
Technical Parameters	
Model	GYJK-35/23-Q
Rated Working Pressure	720 Bar
Opening Distance of Blades	220mm
Max. Cutting Force	190KN
Max. Cutting Capacity(Q235steel)	23mm (Circle steel) , 10mm (plate steel)
Rated Spreading Force	35KN
Weight	≤9.1kg
Dimension(L*W*H)	580*170*150mm

4、 Q-Hydraulic Spreader

Q-Hydraulic Spreader	
Product Description	Picture
<p>Hydraulic rescue spreader is specially designed according to working requirements, it is characterized of light weight, compact structure, advanced functions and easy operation, different works, including spreading, clamping and pulling, can be carried out by it. rescue tool for spreading obstacles in road accident, earthquake and other circumstances, thus this kind of Hydraulic rescue spreader is widely applied in road and air rescue, earthquake and other disaster rescues.</p>	
<p>Application: 1.Traffic accident rescue, earthquake disaster and accident rescue etc ; 2.Moving and lifting obstacles pry gap and expand gallery for rescue; 3.Deforming metal structure and tearing body plates of vehicle; 4. Can cooperate with lead zipper to clear road obstacles.</p>	
<p>Features: 1. Body made of high strength alloy, light and durable; 2. Short opening and closing time to accelerate rescue process; 3. Bi-directional hydraulic lock and automatic reset valve, high security operation, combined with self-locking function, can expand in any position without retraction; 4. Sealing ring is imported form Germany; 5. Handle convenient operation, moving parts has protecting cover to ensure operators security; 6. Can work with chain traction.</p>	
Technical Parameters	
Model	GYKZ-32/490-Q
Rated Working Pressure	720 Bar
Max. Spreading Distance	490mm
Pulling distance	325mm
Rated Tension Force	32KN
Max. Tension Force	64KN
Weight(working model)	9.6kg
Dimensions L*W*H	630*220*150mm

5、 Q- Hydraulic Ram

Q- Hydraulic Ram	
Product Description	Picture
<p>Connected with Q-hydraulic motor pump, the Q-hydraulic Ram can lift metal or nonmetallic structures to rescue victims trapped in danger. It was designed per demands and advice of rescue equipment operators in firefighting, mining and armed guarding field. The bidirectional hydraulic lock& have self-locking function which means the ram heads can fix in any position without retraction.</p>	
<p>Application:</p> <ol style="list-style-type: none"> 1. Various accidents, traffic accident rescue; 2. Earthquake, buildings collapse, fire disaster and shipwreck rescue; 3. Move and lifting obstacles, pry the gap and expand to channel; 4. Special for rescue when the rescue vehicles difficult to enter the mountain or narrow area. 	
<p>Features:</p> <ol style="list-style-type: none"> 1. Major components make up of high-strength lightweight alloy, small size, light weight, which is convenient for long period carrying on back; 2. Bi-directional hydraulic lock has a two-way self-locking function, can lift and fix in any position without retracting; 3. Micro closed length, suitable for working in narrow spaces; 4. Key component imported from Germany. 	
Technical Parameters	
Model	GYCD-120/570-Q
Rated Working Pressure	720 Bar
Max. Extending Force	120KN
Closed Length	350mm
Working Scope	220mm
Weight	9.4kg
Dimension(L*W*H)	350*180*90mm

III、Hydraulic Rescue Tools

1、Hydraulic Spreader Tool

Hydraulic Spreader	
Product Description	Picture
<p>Hydraulic rescue spreader is special rescue tool for spreading obstacles in road accident, earthquake and other circumstances, it can be connected with both hydraulic motor pump and hydraulic hand pump, different works, including spreading, clamping and pulling, can be carried out by it.</p>	
<p>Application: 1.Traffic accident rescue, earthquake disaster and accident rescue etc; 2.Moving and lifting obstacles pry gap and expand gallery for rescue; 3.Deforming metal structure and tearing body plates of vehicle; 4. Can cooperate with lead zipper to clear road obstacles.</p>	
<p>Features: 1.650mm expansion distance can tear steel for rescue channels; 2. Short opening and closing time to accelerate rescue process; 3. Bi-directional hydraulic lock and automatic reset valve, high security operation, combined with self-locking function, can expand in any position without retraction; 5. Handle convenient operation, moving parts has protecting cover to ensure operators security; 6. Can work with chain traction</p>	
Technical Parameters	
Model	GYKZ-63-42/650-A
Rated Working Pressure	720 Bar
Max. Spreading Distance	650mm
Pulling distance	505mm
Max spreading Force	120KN
Rate spreading Force	47.1-65.3KN
Weight(working model)	18kg
Dimensions L*W*H	730*320*190mm

2、Hydraulic Combined Tool (Spreader and Cutter)

Hydraulic Combined Tool	
Product Description	Picture
<p>Hydraulic Rescue Combi-tool is special rescue tool integrating hydraulic cutter and spreader, different works, shearing, spreading and pulling, can be well done, it is characterized of compact structure, advanced function and easy operation.</p>	
<p>Application: 1、 Traffic accident rescue, earthquake disaster relief and accident rescue etc.;2、 Unclenching the door and metal structure into deformation;3、 Cut metal structure, vehicle parts, pipeline and metal plates</p>	
<p>Features: 1. Blade made of high strength tool steel which can be regrind; 2. Body is of high strength aluminum alloy with ceramic coating surface, light and durable.3. Unique designed handle of new material, convenient to operate.4. Manual control valve operation can drive the blade open and close in any fixed position, with self-locking function;5. Bi-directional hydraulic lock and automatic reset valve, high security operation, combined with self-locking function, can expand in any position without retraction.</p>	
<p>Technical Parameters</p>	
Model	GYJK-63-28/32-A
Rated Working Pressure	720Bar
Opening Distance of Blades	350mm
Max. Cutting Force	325KN
Max. Cutting Capacity(Q235steel)	Φ28mm (Circle Steel) , 15mm (Steel Plate)
Rated Spreading Force	32KN
Hauling Distance	230mm
Weight	≤14.6kg
Dimension(L*W*H)	760*210*170mm

3、Hydraulic Rescue Cutter A

Hydraulic Rescue Cutter A	
Product Description	Picture
<p>They are quick in open and close which have greatly accelerated the relief process.</p>	
<p>Application: 1、 Traffic accident rescue, earthquake disaster relief and accident rescue etc.;2、 Unclenching the door and metal structure into deformation;3、 Cut metal structure, vehicle parts, pipeline and metal plates</p>	
<p>Features:</p> <p>1. The blades have crossed heat treatment in order to gain the greatest wear resistance; 2.The automatic reset reversing wheel is designed for the convenience of operation;3.crucial parts wear skirt to make sure the safety of operator;4.The scimitar is designed per ergonomics which can make the obstacles come naturally to the center of the blades where hold the greatest cutting force.</p>	
<p>Technical Parameters</p>	
Model	GYJQ-63-28/220-A
Rated Working Pressure	720Bar
Opening Distance of Blades	220mm
Max. Cutting Capacity(Q235steel)	15mm (Steel Plate); Φ 28mm (Circle Steel)
Max. Cutting Force	\geq 390KN
Weight	13kg
Dimension(L*W*H)	700*210*165mm

4、Hydraulic Rescue Cutter B

Hydraulic Rescue Cutter B	
Product Description	Picture
<p>This hydraulic rescue cutter is special rescue tool for traffic accident, earthquake and other disasters. it can be connected with both hydraulic motor pump and hydraulic hand pump. Our Aolai hydraulic rescue cutter is characterized of compact structure, big cutting capacity and advanced functions.</p>	
<p>Application: 1、 Traffic accident rescue, earthquake disaster relief and accident rescue etc.;2、 Unclenching the door and metal structure into deformation;3、 Cut metal structure, vehicle parts, pipeline and metal plates</p>	
<p>Features:</p> <p>1. Shearing blade adopts High-quality heat-treated tool steel, with surface anodized, good in wearing resistance; 2. Protective cover for main parts to prevent splash during shearing; 3. Bi-directional self-lock function and automatic reset reversing valve make operation convenient and safe; 4. Ergonomically designed, can automatically push material to the biggest shearing strength of blade center; 5. Less opening and closing time guarantee a faster rescue.</p>	
<p>Technical Parameters</p>	
Model	GYJQ-63-28/150-B
Rated Working Pressure	720Bar
Opening Distance of Blades	154mm
Max. Cutting Capacity(Q235steel)	Φ28mm (Circle Steel)
Max. Cutting Force	≥390KN
Weight	≤13.8kg
Dimension(L*W*H)	710*210*165mm

5、Hydraulic Hand Combined Tool

Hydraulic Hand Combined Tool	
Product Description	Picture
<p>Hand operated portable combi-tool is special rescue tool integrating hydraulic spreader, cutter and hydraulic hand pump, different works, including cutting, spreading and clamping, can be well done by it, it is characterized of compact structure, easy operation and light weight.</p>	
<p>Application: 1、 Traffic accident rescue, earthquake disaster relief and accident rescue etc.;2、 Unclenching the door and metal structure into deformation;3、 Cut metal structure, vehicle parts, pipeline and metal plates</p>	
<p>Features:</p> <ol style="list-style-type: none"> 1. Blade made of high strength alloy which can be regrind. 2. Body is of high strength aluminum alloy with ceramic coating surface, light and durable. 3. Unique designed handle of new material, convenient to operate. 4. Blade can rotate 360 degree for different rescue requirements. 5. Can be applied in circumstances of underwater 30m and exploding surroundings. 	
Technical Parameters	
Model	GYJKB-63-25/20-A
Rated Working Pressure	720Bar
Opening Distance of Blades	160mm
Max. Cutting Force	300KN
Max. Cutting Capacity(Q235steel)	10mm (Steel Plate);Φ20mm (Circle Steel)
Rated Spreading Force	≥25KN
Weight	10kg
Dimension(L*W*H)	736*212*146mm

6、Hydraulic Universal Plier

Hydraulic Universal Plier	
Product Description	Picture
<p>Hydraulic universal plier is a special rescue tools for shearing plate material, used for metal constructions cutting in a small space, to rescue the victims in dangerous situation.</p>	
<p>Application: Widely used in traffic accident rescue, earthquake and other disaster relief. Compact blade is specially designed for narrow space rescue.</p>	
<p>Features:</p> <ol style="list-style-type: none"> 1. Shearing blade adopts High-quality heat-treated tool steel, with surface anodized, good in wearing resistance. 2. Can be connected with both hydraulic motor pump and hydraulic hand pump. 3. Ergonomically designed, can automatically push material to the biggest shearing strength of blade center. 4. Blade can be turned 270 degree for rescue operation under complicated conditions. 	
Technical Parameters	
Model	GYWX-6/60-A
Rated Working Pressure	720Bar
Opening Distance of Blades	60mm
Max. Cutting Capacity(Q235steel)	6mm (Steel Plate)
Weight	6kg
Dimension(L*W*H)	360*225*72mm

7、Hydraulic Wedge Jack

Hydraulic Wedge Jack	
Product Description	Picture
<p>Hydraulic wedge jack is professional rescue equipment which can lift heavy objects to expand narrow gap for further rescue operation.</p>	
<p>Application: Earthquake and other geological disasters; building collapse; traffic and other road accidents, etc.</p>	
<p>Features:</p> <ol style="list-style-type: none"> 1. Bi-directional hydraulic lock and self-reset reversing valve guarantee a safe operation. 2. Structure of high strength alloy, light and rigid. 3. Sealing ring is imported from Germany. 4. Protective cover to ensure operators security. 	
<p>Technical Parameters</p>	
Model	GYKF210/50-A
Rated Working Pressure	720Bar
Min. Insertion Height	6mm
Max. Lifting Distance	50mm
Max. Spreading Force	210KN
Weight	10.5kg
Dimension(L*W*H)	615*195*190mm

IV、Hydraulic Lifting Equipments

1、Hydraulic Ram A

Hydraulic Ram A	
Product Description	Picture
<p>This single hydraulic plunger with light weight supports powerful lifting force. It is enough for vehicles rescue and general relief.</p>	
<p>Application: 1. Highway, railway accident rescue, air crash and beach relief. 2. Buildings and disaster relief. 3. Moving obstacles, top-up objects, create rescue channels and maintain object stable.</p>	
<p>Features: 1. Hydraulic Rescue floor ram uses high strength and lightweight alloy manufacture, elaborate design of both antiskid tooth to make sure when under stress won't fall off. 2. Bi-directional hydraulic lock and automatic reset valve operation, at working when occur unexpected encounters can ensure the operator security. 3. Short time in supporting which will accelerate the rescue process.</p>	
<p>Technical Parameters</p>	
Model	GYCD-63-110/525-A
Rated Working Pressure	720Bar
Max. Lifting Force	120KN
Closed Length	350mm
Lifting Scope	350mm-1080mm
Length of Extra Piston Bars I / II / III	100/175/275mm
Weight	10kg
Dimension(L*W*H)	350*260*90mm

2、Hydraulic Ram B

Hydraulic Ram B	
Product Description	Picture
<p>With high strength alloy in main structure and German imported accessory, the Hydraulic Ram powered by pump or hand pump, having the function of moving, lifting and keeping stable of heavy objects. High grip claws in both side prevent objects from falling and specific high safety reversing handle with bidirectional hydraulic lock and automatic reset relief valve can lock at location without retract.</p>	
<p>Application: Highway, railway accident rescue, air crash and beach relief; Buildings and disaster relief.</p>	
<p>Features: 1. Can provide the Max. jacking force at 120KN; 2. Bi-directional hydraulic lock and automatic reset valve operation, at working when occur unexpected encounters can ensure the operator security; 3. Short supporting time accelerates the rescue process</p>	
<p>Technical Parameters</p>	
Model	GYCD-120/860-B
Rated Working Pressure	720Bar
Max. Extending Force	117KN
Closed Length	500mm
Lifting Scope	500mm-1390mm
Length of Extra Piston Bars I / II / III	100/175/275mm
Weight	≤11kg
Dimension(L*W*H)	500*185*97mm

3、 2-stage Hydraulic Ram C

Hydraulic Ram C	
Product Description	Picture
<p>Cylinder uses high strength and lightweight alloy manufacture elaborate design of both antiskid tooth to make sure when under stress won't fall off.</p> <p>Moving obstacles, top-up objects, create rescue channels and maintain object stable.</p>	
<p>Application: Highway, railway accident rescue, air crash and beach relief; Buildings and disaster relief; Forest rescue, marine rescue and mining rescue etc.</p>	
<p>Features:</p> <ol style="list-style-type: none"> 1.This double hydraulic plunger supports high rescue jacking force, light weight. Can provide the Max .jacking force at 208KN. Enough for vehicles rescue and general relief; 2.Bi-directional hydraulic lock and automatic reset valve operation, at working when occur unexpected encounters can ensure the operator security. 3.Short supporting time accelerates the rescue process. 	
<p>Technical Parameters</p>	
Model	GYCD-100-208/600-C
Rated Working Pressure	720Bar
Max. Lifting Force	200KN(one lever); 90KN (second lever)
Closed Length	460mm
Lifting Scope	460mm-1060mm
Weight	≤13.7kg
Dimension(L*W*H)	460*200*110mm

4、 Rescue tripod

Recue Tripod	
Product Description	Picture
<p>The rescue tripod is made up of frame body, winch, pulley, ring protection chain and mainly used for rescue operations in high altitude, cliff and confined space, such as underground pipe, shaft, cesspit, closed container etc. Widely used by firefighting, municipal, administration, mining etc rescue institution.</p>	
<p>Application: Accident rescue, especially suitable for traffic accident to forcible entry the driving cab.</p>	
<p>Features:</p> <ol style="list-style-type: none"> 1. High strength special aluminum alloy with safety factor bigger than 10. 2. Ring protection chain on the feet. 3. Self-lock device on winch, which ensures lock-in in any position, to make sure the safety of the sling. 4. Special stainless steel sling with good suppleness is taken used. The sling will not be damaged by corrosion or lack of oil. 5. The length of legs can be adjusted, suitable for rugged rescue situations. 	
<p>Technical Parameters</p>	
Model	ETS-500
Rated Working Pressure	720 Bar
length	2.2m
Lifting distance	3.2m
Weight	≤59.5kg
Dimension(L*W*H)	2200*300*300mm

Tripod

Product Description	Picture
<p>Tripod can be hold heavy object by vertical, one person can be sent to a special location at a time, also used in high relief. Because of the structure of pneumatic supports, this tripod have been the most powerful and high quality lifting tools in the market now.</p>	
<p>Application: 1.Applicable to the operation of high places, cliff and confined spaces, such as pit slots, shafts, drainages, cellars and sewage wells, sewer etc. 2,Widely used in fire fighting, municipal, rescue agencies.</p>	
<p>Features:</p> <ol style="list-style-type: none"> 1,Consist of body, slings, winch, ring-shaped protection chain ect. 2,Be made of high strength alloy, light weight, high toughness, high safety factor; 3, The design of scalable stabilizer blade and hand-lock is applied to different operating radius, height requirements; 4, The unique anti-skid design of footings equipped with ring-shaped protection chain, stronger and safer; 5, The winch is equipped with up and down self-locking devices, ensure the safety of the sling. 6, The stainless steel wire ropes of the sling with good flexibility, corrosion resistance; 7, The scalable stabilizer blade is made of high strength light weight alloy,the safety factor is greater than 10, the footings are equipped with ring-shaped protection chain. 	
<p>Technical Parameters</p>	
Model	SJ500/2.2-A
Rated Load	500kg
Folded Length	2.55m
Opening Length	3.7m
Handle Force Needed	200N
Winch Mechanical Principles	12:1
Wire Length	30m
Weight	90kg
Dimension(L*W*H)	2550*300*300mm
Weight of winch	30kg

5、 Heavy lifting set

Heavy lifting set			
Product Description	Picture		
<p>Heavy support set by different length of the extension rod, a supporting head telescopic support rod and a variety of shapes composition, is suitable for earthquake, collapse, debris flow, landslide and other rescue scene, as well as mine, traffic accident rescue scene.</p>			
<p>Application: Used for vehicle stability and support in the traffic accident. Can support the family cars, trucks, buses, heavy construction vehicles and rail vehicles etc.</p>			
<p>Features: 1) uses special type aluminum alloy material, high strength, light weight, convenient operation 2) can be set vertical triangular frame, three-dimensional support, an inclined plane support and other forms of support, to meet the special requirements of different environment 3) the support bar is divided into pneumatic, hydraulic, manual three kinds 4) support ranging from 0.5-3 meters, can meet a variety of needs relief height.</p>			
Technical Parameters			
Comparison table	Primary set	Standard set	Highway set
Maximum load	18TON	18TON	36TON
Self locking pillar number	2	2	4
Number of hydraulic	1	2	2
Base number	4	4	8
Extended column number	2	4	6
Lock the taut band number	2	4	4

6、Hydraulic Jack Set QJ-10

Hydraulic Jack Set QJ-10

Product Description	Picture
<p>Combination with four standard, by hydraulic hand pump, the hydraulic jack save victims stuck in danger through lifting the heavy objects.</p>	

Application:
 Traffic accident rescue earthquake disaster relief, accident rescue etc. Powered by hydraulic hand pump, extends the piston stick to hold weight in a certain distance under the hydraulic pressure

Features:
 Handlers should find a suitable point to fix the jack in order to avoid the twice hurts during the working time. While extending, double sets of jacks can protect the weight from slip. When using jacks tilt, axes is perpendicular to the supporting surface, prevent slide. Handle pump is the only power source to jack.

Technical Parameters

Item	Model A	Model B	Model C	Model D
Rated Working Pressure	720Bar	720Bar	720Bar	720Bar
Max. opening force	10T	10T	10T	10T
Closed Length	109mm	129mm	169mm	249mm
Opening Distance	24mm	44mm	84mm	164mm
Max. Opening Height	133mm	173mm	253mm	413mm
Weight	1.6kg	1.8kg	2.1kg	2.7kg

7、Hydraulic Jack Set QJ-5/10/20

Hydraulic Jack Set QJ-5/10/20

Product Description	Picture
<p>Combination with three standard, by hydraulic hand pump, the hydraulic jack save victims stuck in danger through lifting the heavy objects.</p>	

Application:
 Traffic accident rescue earthquake disaster relief, accident rescue etc. Powered by hydraulic hand pump, extends the piston stick to hold weight in a certain distance under the hydraulic pressure

Features:
 Handlers should find a suitable point to fix the jack in order to avoid the twice hurts during the working time. While extending, double sets of jacks can protect the weight from slip. When using jacks tilt, axes is perpendicular to the supporting surface, prevent slide. Handle pump is the only power source to jack.

Technical Parameters

Item	Model A	Model B	Model C
Rated Working Pressure	720Bar	720Bar	720Bar
Max. opening force	5T	10T	20T
Closed Length	190mm	300mm	340mm
Opening Distance	100mm	205m	233mm
Max. Opening Height	290mm	505mm	573mm
Weight	1.9kg	3.6kg	8.5kg

V、Portable Door Breaking Kit

1、Portable Door Breaking Kit (four)

Portable Door Breaking Kit (four)	
Product Description	Picture
<p>Portable Door Breaking Kit is mainly used for breaking of roller shutter door, security door under special circumstances. This portable Door Break Kit includes hydraulic hand pump, door opener, spreader, crowbar and pipeline.</p>	
<p>Application: Portable Door Breaking Kit is mainly used for breaking of roller shutter door, security door under special circumstances.</p>	
<p>Features: Portable Door Breaking Kit is characterized of Light weight, high efficiency and easy operation main hydraulic tools can be operated by hand operated.</p>	
<p>Technical Parameters</p>	
<p>Model</p>	<p>WXPC-4A</p>
<p>Crowbar Length:457mm Weight:1.8KG</p>	

<p>Hydraulic Door Opener</p> <p>Model GYKM-63-60/100-W</p> <p>Rated Working Pressure 720Bar</p> <p>Closed Length $\leq 210\text{mm}$</p> <p>Opening Distance 180mm</p> <p>Separation Distance 230mm</p> <p>Lifting Distance 300mm</p> <p>Separation Force 50KN</p> <p>Lifting Force 60KN</p> <p>Weight $\leq 3.9\text{kg}$</p> <p>Dimension(L*W*H) 210*135*75mm</p>	
<p>Micro-Hydraulic Spreader</p> <p>Model GYKZ-42/150-W</p> <p>Rated Working Pressure 720Bar</p> <p>Opening Distance $\geq 152\text{mm}$</p> <p>Separation Force 42KN</p> <p>Weight $\leq 3.3\text{kg}$</p> <p>Dimension(L*W*H) 345*160*75mm</p>	
<p>Hydraulic Hand Pump</p> <p>Model BS63/0.8-B</p> <p>Rated Working Pressure 720Bar</p> <p>Output Pressure(Low Pressure) 5-10MPa</p> <p>Low Pressure Flow $\geq 7.5\text{ml/time}$</p> <p>High Pressure Flow $\geq 0.83\text{ml/time}$</p> <p>Tank Volume of Hydraulic Oil $\geq 0.7\text{L}$</p> <p>Max. Force of Hand Bar $\leq 260\text{N}$</p> <p>Weight $\leq 3.2\text{kg}$</p> <p>Dimension(L*W*H) 400*120*160mm</p>	

2、Portable Door Breaking Kit (six)

Portable Door Breaking Kit (six)	
Product Description	Picture
<p>Portable Door Breaking Kit is mainly used for breaking of roller shutter door, security door under special circumstances. This portable Door Break Kit includes hydraulic hand pump, door opener, spreader, crowbar and pipeline.</p>	
<p>Application: Portable Door Breaking Kit is mainly used for breaking of roller shutter door, security door under special circumstances.</p>	
<p>Features: Portable Door Breaking Kit is characterized of Light weight, high efficiency and easy operation main hydraulic tools can be operated by hand operated.</p>	
<p>Technical Parameters</p>	
<p>Model</p>	<p>FDMP-6</p>
<p>Crowbar Length:457mm Weight:1.8KG</p>	

<p>Hydraulic Door Opener</p> <p>Model GYKM-63-60/100-W</p> <p>Rated Working Pressure 720Bar</p> <p>Closed Length $\leq 210\text{mm}$</p> <p>Opening Distance 180mm</p> <p>Separation Distance 230mm</p> <p>Lifting Distance 300mm</p> <p>Separation Force 50KN</p> <p>Lifting Force 60KN</p> <p>Weight $\leq 3.9\text{kg}$</p> <p>Dimension(L*W*H) 210*135*75mm</p>	
<p>Micro-Hydraulic Spreader</p> <p>Model GYKZ-42/150-W</p> <p>Rated Working Pressure 720Bar</p> <p>Opening Distance $\geq 152\text{mm}$</p> <p>Separation Force 42KN</p> <p>Weight $\leq 3.3\text{kg}$</p> <p>Dimension(L*W*H) 345*160*75mm</p>	
<p>Hydraulic Hand Pump</p> <p>Model BS63/0.8-B</p> <p>Rated Working Pressure 720Bar</p> <p>Output Pressure(Low Pressure) 5-10MPa</p> <p>Low Pressure Flow $\geq 7.5\text{ml/time}$</p> <p>High Pressure Flow $\geq 0.83\text{ml/time}$</p> <p>Tank Volume of Hydraulic Oil $\geq 0.7\text{L}$</p> <p>Max. Force of Hand Bar $\leq 260\text{N}$</p> <p>Weight $\leq 3.2\text{kg}$</p> <p>Dimension(L*W*H) 400*120*160mm</p>	

<p>Hydraulic Rebar Cutter</p> <p>Model GYSD-63-14/28-A</p> <p>Rated Working Pressure 720Bar</p> <p>Max. Opening Distance of Blades $\geq 28\text{mm}$</p> <p>Max. Cutting Capacity $\Phi 14\text{mm}$(circle steel)</p> <p>Weight $\leq 3\text{kg}$</p> <p>Dimension(L*W*H) 300*68*55mm</p>	
<p>Micro-Hydraulic cutter</p> <p>Model GYJQ-36-18/60</p> <p>Max. Opening Distance of Blades: $\geq 60\text{mm}$</p> <p>Rated Working Pressure: 720Bar</p> <p>Max. Cutting Capacity: $\phi 18\text{mm}$</p> <p>Weight: $\leq 2.8\text{kg}$</p> <p>Dimension(L*W*H) : 350*105*75mm</p>	

VI、 Manual Rescue Tools & Assist Rescue Equipment

1、 Manual Impactor B

Manual Impactor B	
Product Description	Picture
<p>Ergonomically designed, this tool will well satisfy requirements of using, convenient and flexible.</p> <p>Integrating working types of chisel, cutting, smashing, prying and so on, is an ideal manual forcible entry tool.</p> <p>The working head adopted high strength tool steel, is strength, toughness and durability.</p>	
<p>Application: Rip building walls, floor, vehicle windows, locks and so on, in case of other rescue equipment can't work.</p>	
<p>Features:</p> <ol style="list-style-type: none"> 1. Impactor body: be used as pry, handle, impact and beat to work together with other tool; 2. Extension distance 1222mm, closed length 780mm, adjustable distance 442mm; 3. Multifunctional work head sets of model A/B/C; 4. No need for power pack; 5. Portable aluminum alloy case. 	
<p>Technical Parameters</p>	
Model	CJS6000-B
Impact Distance	442mm
Weight of Impact Hammer	6.7kg
Total Weight	19.6kg
Dimension(L*W*H)	782*72*70mm

2、Crowbar

Crowbar

Product Description	Picture
<p>No need of power supply, hand rescue crowbars can be easily carried and operated by single person. They can also be used for windows, doors, locks, nails, bolts or building and vehicles break-in work.</p>	

Application:

Features:

- 1 Collection breaks down the manual functions
2. Can be used in all kinds of doors and pry lock, steel, cutting, cut down template cut .
3. Head tool that uses high strength of stainless steel, strength and corrosion, beautiful appearance .
4. Handle has non-slip grain, hold the reliable .

Technical Parameters

Model	QFS-A
Handle Force	600-800KN
Prizing up Force for Door	≥4000N
Prizing up Force for Lock	≥10000N
Nail Pulling Out Force	≥10000N
Plate Thickness can be cut(Q235)	≤1.5mm
Plate Thickness can be drilled (Q235)	≤1.5mm
Weight	≤5.3kg*2
Dimension(L*W*H)	855*72*47mm

3、Hydraulic Door Opener

Hydraulic Door Opener	
Product Description	Picture
<p>Portable Door opener is mainly used for breaking of roller shutter door, security door under special circumstances.</p>	
<p>Application: Accident rescue, especially suitable for residential and commercial buildings, hotels & fire rescue to open the locked door in time.</p>	
<p>Features:</p> <ol style="list-style-type: none"> 1. Can provide 10 tons collapsing force for opening door; working with manual pump can be produced with self-locking functions. 2. Safe to work in the explosive place 3. Mini sized, easy to bring, can be stored in the metal cabinet, implementing rapid mobility aid. 4. Body is of high strength alloy, sealing ring imported from Germany. 	
<p>Technical Parameters</p>	
Model	GYKM-63-100/120-A
Rated Working Pressure	720Bar
Max. Opening Force	71KN
Closed distance	230mm
Opening Distance	117mm
Times of Hand Pump Beating when Start without Load	≤20time
NO-Load Closing time(free fall)	≤50s
Weight	5.5kg
Dimension(L*W*H)	122*100*228mm

4、Hydraulic Tube Squeezer

Hydraulic Tube Squeezer	
Product Description	Picture
<p>Cylinder is made of high strength of lightweight alloy material knife takes usage of regrinding special steel. With bi-directional hydraulic lock and automatic reset valve; can take off the hydraulic pipeline after pipe sealing to ensure operator's safety.</p>	
<p>Application: This kind of hydraulic tube sealer has a wide range of application. With big sealing capacity for both gas and liquid pipes at diameter of less or equal than 65mm and thickness of 1-3.5mm, cut to stop the burning materials.</p>	
<p>Features: This is the professional emergency rescue tool which is used to destroy part of the metal pipe by extruding to seal the pipes. Hydraulic tube sealer can reduce or stop the damage caused from liquid or gas material leakage, which can create the advantage opportunity and condition for the next rescue work.</p>	
<p>Technical Parameters</p>	
Model	GYFG-63/60-A
Rated Working Pressure	720Bar
Max. Opening Distance of Blades	60mm
Closing Gap of two Blades	2mm ±1mm
Max. Tuber Diameter can be sealed	60mm
Max. Wall Thickness be sealed	3.5mm
Weight	7.6kg
Dimension(L*W*H)	380*212*174mm

5、Hydraulic Rebar cutter

Hydraulic Rebar Cutter	
Product Description	Picture
Hydraulic rebar cutter is special rebar cutter tool, it has big cutting capacity and thus is widely applied in road and earthquake rescue.	
Application: Accident rescue, especially suitable for traffic accident to forcible entry the driving cab.	
Features: 1.60KN cutting power can cut maximum 16mm circular shape steel. 2. German sealing ring adopted, environmental temperature can be -30℃~ 55℃.	
Technical Parameters	
Model	GYSD-63-14/28-A
Rated Working Pressure	720Bar
Max. Opening Distance of Blades	28mm
Max. Cutting Capacity	Φ14mm(circle steel)
Weight	3kg
Dimension(L*W*H)	300*68*55mm

6、Hose Reel

Hose Reel									
Product Description				Picture					
<p>The reel is mainly used for connecting the power source and the hydraulic rescue tools, and carry out fast rescue; The longest oil hose in the reel is 20m-long. To ensure fast rescue, while carrying the oil hose, put it into the reel is convenient for the rescuer to roll out it at any time.</p>									
<p>Application: Rescue for mine, traffic accident, earthquake disaster, buildings collapse and air disaster etc. help police maintain stability; suitable for the rescue in complex terrain and mountainous areas where are very difficult to reach.</p>									
<p>Features: The main parts are made of high strength alloy, small size, lightweight, cut the carrying time of rescue equipment, ensure the fast rescue.</p>									
Technical Parameters									
Spec	Inner Radius (mm)	Working Pressure(Mpa)		Outer Dia(mm)		Mix bending		Size of connector	
		1	2	1	2	1	2	Type ACDHG d	S
4	4.7	27		7.8		65		M12*1.25	14
6	6.3	22	24	9.5	11	80	90	M14*1.5	17
8	7.9	20	23	11	13	90	100	M16*1.5	19
10	9.6	18	25	12.5	14.5	100	110	M18*1.5	22
13	12.8	16	18	15.8	17.5	110	150	M22*1.5	27
16	16	11	13	18.9	20.5	150	180	M27*1.5	32
19	19.1	10	12	23.4	25	180	220	M30*1.5	36
25	25	8	10	29.7	32	220	250	M39*2	46

7、 Air lifting bag

Air lifting bags													
Product Description							Picture						
<p>Air lifting bag is a special tool for rescue and other emergency situation; it is multi-functional of lifting, pushing & pulling, extruding, separating etc. air lifting bag is made of CR121 type Neoprene, durable and resistant, the unit is mainly composed of high pressure gas cylinder, valves, pressure reducer, high pressure hose, air bag, etc.</p>													
<p>Application: This safety air cushion can be used for traffic emergency rescue & vehicle extrication; Railway, Tunnel, Subway rescue Earthquake disaster relief accident rescue; Mining rescue etc. lifting function needed situations</p>													
<p>Features: Noiseless, shamble, lift the heaviest object stably; Long using life, the special design on surface can maintain the skid resistance when work on grass/ sediment etc.</p>													
Technical Parameters													
Model	P1	P5	P 8	P1 0	P1 2	P2 0	P2 4	P2 8	P3 2	P4 0	P4 2	P4 8	P6 8
Area(cm)	15 *1	25 *2	32 *3	37 *3	45 *4	50 *5	55 *5	60 *6	65 *6	75 *7	85 *8	90 *9	95 *9
Height (mm)	23	25	25	25	25	25	25	27	28	28	28	28	28
Insert Height(mm)	24	26	26	26	26	26	26	28	29	29	29	29	29
Lifting Force(t)	1.1	5	9	11	15. 5	20	25	29	35	43	46	54	67
Max. Lifting Height (cm)	25	27	30	35	37	39	41. 5	43	45	45. 5	46	47.	48
Max. Pressure (bar)	8	8	8	8	8	8	8	8	8	8	8	8	8
Test pressure(bar)	12	12	12	12	12	12	12	12	12	12	12	12	12
Weight (kg)	0.4 5	1.9	3	4	6.2	7.2	8.8	10. 5	15	18	26. 4	27. 5	31

8、Hydraulic Door Opener

Hydraulic Door Opener	
Product Description	Picture
	
<p>Application: When rescue, in-burst, arrest, can rift cut the security door.</p>	
<p>Features: 1, Especially suitable for flammable and explosive environment; 2, Three stages hand pump with small size, light weight, without the need of fuel, Can Play a huge advantage while used in narrow spaces; 3, Three stages hand pump especially suitable for the case of no noise allowed; 4, Hydraulic door opener can open the internal and external open style security door, the door with many locks, and armored door; 5, The process of operation is very easy, it's no more than 20 seconds for opening a door; 6, The door opener with fast-link buckle, it takes few seconds to connect.</p>	
<p>Technical Parameters</p>	
Model	HBT-300
Rated Working Pressure	720Bar
The first stage output flow	22ml/time
The second stage output flow	5.7ml/time
The third stage output flow	1.9ml/time
Hydraulic oil volume	1.7L
Closed length	710mm
Open distance of blades	300mm
Lifting distance	125mm
Separating force	60KN
Lifting force	60KN
Lifting scope	710-1325mm
Weight	22.2kg
Dimension(L*W*H)	800*190*180mm

9、 Three-Level Pump

Three-Level Pump	
Product Description	Picture
	
<p>Application: 1, Especially suitable for flammable and explosive environment and the environment that the power source is essential during the rescue;2, With small size, lightweight, without the need of fuel, mostly used in narrow spaces;3, Especially suitable for the case of no noise allowed;4, It's the best power source in easier rescue environment.</p>	
<p>Features:</p> <p>1, Adopt double hose-single coupling, with lock function and dust-proof equipment, can plug and play with pressure, easier and faster;</p> <p>2, With small size, lightweight, Superior maneuverability,easy to carry;</p> <p>3, Equipped with 3 meter hydraulic tube, directly connect with the tools can save valuable rescue time;</p> <p>4, Equipped with safety relief valve,and with the function of automatic high-low pressure conversion.</p>	
<p>Technical Parameters</p>	
Model	EHP-1.7
Rated Working Pressure	720Bar
The first level out-put	22ml/min
The second level out-put	5.7ml/min
The third level out-put	1.9ml/min
Weight	≤9.7kg
Dimension(L*W*H)	800*190*180mm

Assault Rescue Sets	
Product Description	Picture
	
<p>Application: 1, Especially suitable for the operation environment that with requirement of high maneuverability, for example, anti-terrorism; 2, Suitable for the operation of prying up the door, prying up the lock, pulling out the nail cutting, punching etc.</p>	
<p>Features: 1, Integrated with many work heads, with the function of hammering, lifting, prying up the door, prying up the lock, pulling out the nail, cutting, punching etc. 2, All the working heads finish machining with high strength ,light weight alloy. 3, Specially integrated with backpack design, small volume, convenient to carry, Superior maneuverability.</p>	
Technical Parameters	
Model	SENER-I
Handle Force	600-800N
Prizing up Force for Door	$\cong 4KN$
Prizing up Force for Lock	$\cong 10KN$
Nail Pulling Out Force	$\cong 10KN$
Plate Thickness can be cut(Q235)	1.5mm
Plate Thickness can be drilled (Q235)	1.5mm
Weight	11.1kg

SENER-II Hand Breaking Tool Kit	
Product Description	Product Picture

Hand Breaking Tool Kit is including chisel, cutting, smashing, prying This tool kit is very easy operated and it is 1300mm.

It can be used in the narrow space when the two parts separated.

The hand breaking tool Kit without Motor pump. It can be operated by one person, easily for carrying.

The working head adopted high strength tool steel, is strength, toughness and Durability. Especially adopt for primer rescue when other s cannot work.

It can be used in breaking building and Wall, floors, windows, door, lock. And So on.



(First cover)

(Second cover)

Application

It can be widely used in Car rescue, Narrow space rescue, Breaking door Rescue, Nature Disaster Emergency Rescue, and more.

Product Feature

- 1、 The working tool adopted high strength steel, it is strength, toughness and durability.
- 2、 Ergonomically designed, this hooligan tools will well satisfy requirements of using, convenient and flexible.
- 3、 No need more waving space for using, It is specially used in the situation of more people and in the dark environment

Technical Parameters

Standard accessories: 1set impact rod, 1set main rod and additional Rod, act Rod, 1pc main rod and 1pc extension 2sets Axes, 1set impact drill bit, 1set metal cutter, 1set breaking lock cutter, 1set chisel with 3inch, 1set chisel with 1 inch, 1set claw chisel, 1set flat chisel, 1set bent cutter, 1set awl, 1set pickax. Totally 15 sets, In the tools case these is one carrying bag for easily operating.

Model	SENER-II
Impact Distance	442mm
Weight of Impact	≤6.7kg
Handle Force	0.8KN
Prizing Up Force For Door	4KN
Prizing UP Force For Lock	10KN
Nail Pulling Out Force	10KN
Plate Thickness can be cut (Q235 material)	1.5mm
Plate Thickness can be Drilled (Q235 material)	1.5mm
Weight	11.1kg
Length	1300mm

11、Hose Pipeline

Hose Pipeline				
Product Description		Picture		
<p>Alternative length depends on customers' requirement. Color: Red & Blue</p> <p>Working Pressure: 70MPa</p> <p>Breaking Pressure:210-280MPa</p> <p>Quick Connection on both ends of hose.</p>				
<p>Application: Accessories for Hydraulic Rescue Equipment; length depends on customers' requirement; Red & Blue; Working Pressure: 70MPa;CE; Widely used in Accident rescue, Earthquake Disaster Rescue, Fire Fighting Rescue and so on;</p>				
<p>Features: Inner cloth: nylon Enhancing cloth: high tensile steel wire Outside cloth: polyurethane Temperature application: -40 to 120 °C Steel wire Spiral Hoses with High Pressure and Oil-resistant Characteristics Model Number: 4SP-16-1 Country of Origin: China (mainland) Brand Name: SHENGYUE</p>				
Technical Parameters				
Specification	Inner Radius(mm)	Outer Diameter(mm)	Working Pressure (Mpa)	Min. Bending Radius(mm)
2SP-3	3	7	120	100
2SP-4	4	11.9	120	110
4SP-4	4	13.8	200	130
6SP-4	4	15.8	260	180
2SP-6	6.2	13.5	110	130
4SP-6	6.2	15.8	150	180
6SP-6	6.2	17.5	200	200
2SP-8	7.8	15.5	100	180
4SP-8	7.8	17.5	145	200
6SP-8	7.8	19.5	180	250
2SP-10	9.6	18.1	80	200
4SP-10	9.6	20.2	130	240

6SP-10	9.6	23.2	160	250
2SP-12	11.9	20.5	75	240
4SP-12	11.9	23.4	120	260
6SP-12	11.9	25.5	150	260
2SP-16	15.9	25	60	260
4SP-16	15.9	27.2	85	290
6SP-16	15.9	29.5	100	300
2SP-19	19	28.3	50	290
4SP-19	19	30.5	65	310
6SP-19	19	33	80	350

12 Hand breaking tool kit

SENER-II Hand Breaking Tool Kit	
Product Description	Product Picture
<p>Hand Breaking Tool Kit is including chisel, cutting, smashing, prying This tool kit is very easy operated and it is 1300mm.</p> <p>It can be used in the narrow space when the two parts separated.</p> <p>The hand breaking tool Kit without Motor pump. It can be operated by one person, easily for carrying.</p> <p>The working head adopted high strength tool steel, is strength, toughness and Durability. Especially adopt for primer rescue when other s cannot work.</p> <p>It can be used in breaking building and Wall, floors, windows, door, lock. And So on.</p>	 <p>(First cover) (Second cover)</p>
Application	
<p>It can be widely used in Car rescue, Narrow space rescue, Breaking door Rescue, Nature Disaster Emergency Rescue, and more.</p>	
Product Feature	
<ol style="list-style-type: none"> 1、 The working tool adopted high strength steel, it is strength, toughness and durability. 2、 Ergonomically designed, this hooligan tools will well satisfy requirements of using, convenient and flexible. 3、 No need more waving space for using, It is specially used in the situation of more people and in the dark environment 	
Technical Parameters	
<p>Standard accessories: 1set impact rod, 1set main rod and additional Rod, act Rod, 1pc main rod and 1pc extension 2sets Axes, 1set impact drill bit, 1set metal cutter, 1set breaking lock cutter, 1set chisel with 3inch, 1set chisel with 1 inch, 1set claw chisel, 1set flat chisel, 1set bent cutter, 1set awl, 1set pickax. Totally 15 sets, In the tools case these is one carrying bag for easily operating.</p>	

Impact Distance	442mm
Weight of Impact	≤6.7kg
Handle Force	0.8KN
Prizing Up Force For Door	4KN
Prizing UP Force For Lock	10KN
Nail Pulling Out Force	10KN
Plate Thickness can be cut (Q235 material)	1.5mm
Plate Thickness can be Drilled (Q235 material)	1.5mm
Weight	11.1kg
Length	1300mm

IX Battery rescue equipment

1. Battery rescue cutter

Battery cutter	
Product Description	Picture
<p>(1) With its own power , no external power source, no tube, zero emissions, greener and healthier.</p> <p>(2) High performance, low noise, high performance battery, plug and play,. convenient and efficient;</p> <p>(3) One-key operate , instant-on ;</p> <p>(4) The switch and lighting adopt split-type design , double conversion on demand ;</p> <p>(5) LED indicator can show the stock of the battery timely ;</p> <p>(6) The handle with the configuration of lamp which can provide light, it's convenient for night operation;</p> <p>(7) The star-shaped design of hand valve makes the operation more convenient and accurate;</p> <p>(8) Finish machining high strength light alloy steel blade, lightweight, strong cutting force, rich toughness, regrinding;</p> <p>(9) the equipment body adopts lightweight hi g h strength aluminum alloy material with cerami c coating on surface, artistic and suitable for moist environment operation;</p> <p>(10) C type Blades can naturally pull the obj ect to the position with the max cut force, it can concentrate the strength and make cuttin g more efficient ;</p> <p>(11) The manual reversing valve equipped with neutral automatic reset makes operation convenient and more accurate;</p> <p>(12) Adopts Bi-directional hydraulic lock with</p>	

<p>self-lock function ;</p> <p>(13) All sealing element adopt dichtomatik with superior quality ;</p> <p>(14) Cutting edge adopts collapsing & splashing prevention design and protective jacket, ensure the operator and victim's safety.</p>	
--	--

Application

- (1) Traffic accident rescue, earthquake disaster relief ,buildings collapsing and accident rescue etc.
- (2) Cut off vehicle parts, tubes of metal structure, heteromorphic steel and so on.
- (3) More suitable for long distance, high places or high elevation rescue operations.

Feature

- (1) With its own power , no external power source, no tube, zero emissions, greener and healthier.
 - (2) High performance, low noise, high performance battery, plug and play;
 - (3) One-key operate , instant-on ;
 - (4) The switch and lighting adopt split-type design , double conversion on demand ;
 - (5) LED indicator can show the stock of the battery timely ;
 - (6) The handle with the configuration of lamp which can provide light, it's convenient for night operation;
 - (7) The star-shaped design of hand valve makes the operation more convenient and accurate.
- Standard accessories: two pieces original batteries ,one piece charger.

Technical Parameters

Model No	EC-150
Rated working pressure	720bar
Max. opening Distance	≥150mm
Max cutting capacity (Q235)	Φ30mm (round steel)
Max cutting force	670KN
Weight	20kg (battery included)
Dimension(L*W*H)	838*215*279mm

2、 Battery rescue spreader

Battery Spreader

Product Description	Picture
<p>(1) With its own power , no external power source, no tube, zero emissions, greener and healthier.</p> <p>(2) High performance, low noise, high performance battery, plug and play, convenient and efficient;</p> <p>(3) One-key operate , instant-on ;</p> <p>(4) The switch and lighting adopt split-type design , double conversion on demand ;</p> <p>(5) LED indicator can show the stock of the battery timely ;</p> <p>(6) The handle with the configuration of lamp which can provide light, it's convenient for night operation;</p> <p>(7) The star-shaped design of hand valve makes the operation more convenient and accurate ;</p> <p>(8) Multifunctional auxiliary work head with the function of spreading, tearing, clamping, pulling, etc, without the need of changing spreader head ;</p> <p>(9) special anti-skid design on the spreader head, with good anti-skidding performance;</p> <p>(10) Adopts Bi-directional hydraulic lock with self-lock function;</p> <p>(11) the equipment body adopts lightweight high strength aluminum alloy material with ceramic coating on surface, artistic and suitable for moist environment operation;</p> <p>12) The manual reversing valve equipped with neutral automatic reset makes operation convenient and more accurate;</p> <p>(13) All sealing element adopt dichtomatik with superior quality ;</p> <p>(14) Handle is convenient for left and right</p>	

hand operation, There is protective jacket on moving parts to ensure the operator's safety;
 (15) The spreader head is embedded in the spreader arm with flat structure which can wedge narrow gap to carry out rescue very fast.

Application

- (1) Traffic accident rescue, earthquake disaster relief ,buildings collapsing and accident rescue etc.
- (2) Move and lifting barrier, unclench gap and expand to passageway
- (3) Deforming metal structure and tearing body plates of vehicle by spreading or clamping
- (4) move heavy objects by matching up haulage chain
- (5) More suitable for long distance, high places or high elevation rescue operations.

Feature

- (1) With its own power , no external power source, no tube, zero emissions, greener and healthier.
- (2) High performance, low noise, high performance battery, plug and play, convenient and efficient;
- (3) One-key operate , instant-on ;
- (4) The switch and lighting adopt split-type design , double conversion on demand ;
- (5) LED indicator can show the stock of the battery timely ;
- (6) The handle with the configuration of lamp which can provide light, it's convenient for night operation;
- (7) The star-shaped design of hand valve makes the operation more convenient and accurate ;

Standard accessories: two pieces original batteries ,one piece charger

Optional accessories: one pair 3 meter haulage chain

Technical Parameters

Model No	ESP-650
Max. Spreading Distance	≥650mm
Rated Working Pressure	720bar
Max. spreading Force	124KN
Min. spreading Force	47KN
Rated pulling force	43KN
Pulling distance	520mm
weight	24.8kg(battery included)
Dimensions L*W*H	905×350×279mm

3. Battery rescue combi tool

Battery Cutter & Spreader	
Product Description	Picture
<p>(1) With its own power ,no external power source, no tube, zero emissions, greener and healthier;</p> <p>(2) High performance, low noise, high performance battery, plug and play, convenient and efficient;</p> <p>(3) One-key operate , instant-on ;</p> <p>(4) The switch and lighting adopt split-type design , double conversion on demand ;</p> <p>(5) LED indicator can show the stock of the battery timely ;</p> <p>(6) The handle with the configuration of lamp which can provide light, it's convenient for night operation;</p> <p>(7) The star-shaped design of hand valve makes the operation more convenient and accurate ;</p> <p>(8) Multifunctional auxiliary work head with the function of cutting ,spreading, clamping, pulling, etc.</p> <p>(9) special anti-skid design on the work head, with good anti-skidding performance ;</p> <p>(10) Adopts Bi-directional hydraulic lock, with self-lock function;</p> <p>(11) Finish machining high strength light alloy steel blade, lightweight, strong cutting force, rich toughness, regrinding;</p> <p>(12) the equipment body adopts lightweight high strength aluminum alloy material with ceramic coating on surface, artistic and suitable for moist environment operation;</p> <p>(13) The manual reversing valve equipped with neutral automatic reset makes operation convenient and more accurate;</p> <p>(14) All sealing element adopt dichtomatik with superior quality;</p>	

(15) Cutting edge adopts collapsing & splashing prevention design and protective jacket, ensure the operator and victim's safety.

Application

- 1) Traffic accident rescue, earthquake disaster relief ,buildings collapsing and accident rescue etc.
- 2) Deforming metal structure and tearing body plates of vehicle by cutting, spreading or clamping
- 3) move heavy objects match up haulage chain
- 4 More suitable for long distance, high places or high elevation rescue operations

Feature

- (1) With its own power, , no external power source, no tube, zero emissions, greener and healthier.
- (2) High performance, low noise, high performance battery, plug and play,. convenient and efficient;
- (3) One-key operate , instant-on ;
- (4) The switch and lighting adopt split-type design, , double conversion on demand ;
- (5) LED indicator can show the stock of the battery timely ;
- (6) The handle with the configuration of lamp which can provide light, it's convenient for night operation;
- (7) The star-shaped design of hand valve makes the operation more convenient and accurate ;

Standard accessories: two pieces original batteries ,one piece charger

Optional accessories: one pair 3 meter haulage chain

Technical Parameters

Model No	ECR-350
Rated working pressure	720bar
Max opening distance	≥350mm
Max cutting capacity(Q235)	Φ28mm(round steel) 15mm(steel plate))
Max cutting force	390KN
Rated spreading force	30-40KN
Weight	20kg
Dimensions L*W*H	838*215mm*279mm

4、Electric Ram

Electric Ram	
Product Description	Picture
<p>It uses LED lamp before and after the ram, to ensure the reliability at night.</p>	
<p>Application: 1.Highway railway accident rescue air crash and beach relief.2.Buildings and disaster relief .3.Moving obstacles , top objects, create rescue channels and maintain object stable.</p>	
<p>Features: It uses high strength and lightweight alloy manufacture, elaborate design of both antiskid tooth to make sure when under stress won't fall off, bi-directional hydraulic lock and automatic reset valve operation, at working when meeting unexpected encounter can ensure the operator security, short in top-up time consuming, accelerate rescue process.</p>	
<p>Technical Parameters</p>	
Model	ER-560
Rated Working Pressure	720Bar
Length of extra piston bars	100/175/275mm
Lifting Force	120KN
Closed Length	370mm
Working Scope	560-1480mm
Weight	≤21.3kg
Dimension(L*W*H)	560*300*175mm

5、 Battery Mute Pump

Battery Mute Pump	
Product Description	Picture
<p>(1) This equipment supply power mainly for cutting, spreading and lifting hydraulic rescue tools</p> <p>(2) With automatic high-low pressure conversion function, Make rescue more convenient and speedy.</p> <p>(3) Equipped with advanced import motor, makes it have superior performance and more powerful</p> <p>(4) Use NSK bearing and DICHTOMATIK seal ring which import from Germany with perfect quality</p> <p>(5) Double hose with single coupling, with LOCK function and dustproof equipment, can plug and play under pressure, More easy and fast</p> <p>(6) BUTTON START switch, easily operating</p> <p>(7) Equipped with floodlight ,making operation more convenient under dark</p> <p>(8) LED indicator can show the stock of the battery timely</p> <p>(9) Compact body , carry conveniently, superior maneuverability</p>	
Application	
<p>(1) Traffic accident rescue, earthquake disaster relief ,buildings collapsing and large complex accident disaster integration rescue etc.</p> <p>(2) Especially suitable use in the rescue condition of needing double tool coordinate</p> <p>(3) Especially for low noise required rescue condition</p>	
Feature	

- (1) Double hose with single coupling, with LOCK function and dustproof equipment, can plug and play under pressure, More easy and fast
 - (2) Big volume battery can supply durable power for rescue tools
 - (3) Large flow with high-low pressure, fast connection with equipment, short time-consuming; improve rescue efficiency
 - (4) Unique safety-relief valve design, making the equipment not only have misoperation prevention LOCK function ,but ensure it running safely and efficiently
 - (5) With automatic high-low pressure conversion function, Make rescue more convenient and speedy. ;
 - (6) Equipped with advanced import motor, makes it have superior performance and more powerful
 - (7) Use NSK bearing and DICHTOMATIK seal ring which import from Germany with perfect quality
 - (8) Double hose with single coupling, with LOCK function and dustproof equipment, can plug and play under pressure, More easy and fast ;
 - (9) BUTTON START switch, easily operating ;
 - (10) Equipped with floodlight ,making operation more convenient under dark ;
 - (11) LED indicator can show the stock of the battery timely ;
 - (12) Compact body , carry conveniently, **superior** maneuverability
- Standard accessories : 2sets double color 5m high pressure hose ;
- Optional accessories : (1) can custom-order 5—20m hose at random length
- (2) portable cart
 - (3) hose reel

Technical Parameters

Model No	EP-A
Rated voltage	24V
Rated working pressure	720bar
Conversion pressure	50bar
Rated output volume	≥0.5L/min
Low-pressure output volume	≥2.5L/min
Motor power	500w
Switching Pressure	50bar
Hydraulic oil volume	1L
Motor rotate speed	2500rpm/min
Battery volume	3.3AH
Weight	≤12kg
Dimension(L*W*H)	370*145*365mm

IX Heavy Rescue Tool

1、 Heavy Rescue Cutter

Heavy-Hydraulic Rescue Cutter	
Product Description	Picture
<p>High strength light weight alloy steel blade, light weight, shearing capacity, tough enough, heavy grinding. C type Blades accelerate strengthen cut and high efficiency cut.</p> <p>Double hose with single coupling structure can direct connected with pressure ;</p> <p>Easy operation with star handle ;</p> <p>Bi-directional self-lock function and automatic reset reversing valve make operation convenient and safe</p> <p>Body made of high strength alloy , with ceramic processing , which could work underwater</p> <p>Sealing part is imported from Germany ;</p> <p>Moving parts has protecting cover to ensure operators security.</p>	
Application	
<ol style="list-style-type: none"> 1. Rescue for highway, railway traffic accidents, the earthquake disaster, ship wreck and building collapse 2. Cut off vehicle parts, metal structure, heterogenic steel pipe, steel plate and so on. 3. Most suitable for huge rescue accident when the environment is limited. 	
Feature	
<ol style="list-style-type: none"> 1 High strength light weight alloy steel blade, light weight, shearing capacity, tough enough, heavy grinding. (2) C type Blades accelerate strengthen cut and high efficiency cut. (3) Double tube single interface structure can direct connected with pressure ; (4) Easy operation with star handle ; (5) Bi-directional self-lock function and automatic reset reversing valve make operation convenient and safe (6) Body made of high strength alloy , with ceramic processing , which could work underwater (8) Sealing part is imported from Germany ; (9) Moving parts has protecting cover to ensure operators security. 	
Technical Parameters	
Model	C-280
Rated Working Pressure	720bar
Max. Opening Distance of Cutter Edge	280mm

Max. Shear Capability (Q235 materials)	15mm (plate) ; Φ38mm (circle steel)
Max. Cutting Force	790KN
Weight	≤16.5kg
Dimensions L*W*H	850*245*200mm

2、Heavy Rescue Spreader Cutter

Heavy hydraulic spreader & cutter	
Product description	Image
<p>Heavy Hydraulic spreader & cutter is a Rescue Combi-tool which integrating hydraulic cutter and spreader, different works, shearing, spreading and pulling, can be well done, it is characterized of compact structure, advanced function and easy operation</p>	
<p>Application: 1、Traffic accident rescue, earthquake disaster relief and accident rescue etc.;2、Unclenching the door and metal structure into deformation;3、Cut metal structure, vehicle parts, pipeline and metal plates 4、Moving heavy objects with haulage chain</p>	
<p>Features :1) Combined function of shearing, spreading, clamping, pulling, etc with super powerful cutting and spreading strength</p> <p>(2) Finish machining high strength light alloy steel blade, light weight, strengthen shearing, rich toughness, regrinding</p> <p>(3) Special skid resistance design with the blade, good performance on Antiskid</p> <p>(4) Adopting double hose-single coupling, plugging and releasing with pressure, high efficiency and speedy</p> <p>(5) Star-style design on handle control makes operating more convenient and more accurate</p> <p>(6) Bi-directional hydraulic lock and automatic reset valve, high security operation, combined with self-locking function, can expand in any position without retraction</p> <p>(7) the equipment body adopts lightweight high strength aluminum alloy material with ceramic coating on surface, artistic and suitable for underwater operation</p> <p>(8) Automatic reset meso-position hand control reversing valve make operation convenient and more accurate</p>	

(9) All sealing element adopt DICHTOMATIK with superior quality

(10) Cutting edge adopts collapsing & splashing prevention design with protective jacket, ensure the operator and victim's safety

Accessory: : one pair 3 meters length haulage chain

Model No	CR-430
Rated working pressure	720bar
Opening Distance of Blades	280mm
Max cutting Capacity(Q235steel)	15mm (steel plate) ; Φ 38mm (round steel)
No-load opening time	30s
No -load closing time	40s
Weight	16kg
Dimension(L*W*H)	850*250*230

3、 Heavy Rescue Spreader

Heavy-Hydraulic Rescue Spreader	
Product Description	Picture
<p>Multifunctional auxiliary work head with the function of tear, pulling, lifting, tension etc.; work head with the property of antiskid, cleat etc.; Double tube single interface structure can direct connected with pressure ; Easy operation with star handle ; Bi-directional self-lock function and automatic reset reversing valve make operation convenient and safe ;Body made of high strength alloy ,with ceramic processing ,which could work underwater ; Sealing part is imported form Germany ; moving parts has protecting cover to ensure operators security.</p>	
Application	

Traffic accident and air disaster rescue, 2. Earthquake and other geological disasters rescues,
 1、 Be widely applied for firefighting、 traffic accident、 earthquake and other geological disasters rescues etc; 2、
 Suitable for motorized rescue operation; 3.Mainly used for spreading、 lifting、 shearing and pulling etc. ;
 Deforming metal structure and tearing body plates of vehicle.

Features

- (1) Multifunctional auxiliary work head with the function of tear、 pulling、 lifting、 tension etc.;
- (2) Work head with the property of antiskid、 cleat etc.;
- (3) Double hose with single coupling structure can direct connected with pressure ;
- (4) Easy operation with star handle ;
- (5) Bi-directional self-lock function and automatic reset reversing valve make operation convenient and safe ;
- (6) Body made of high strength alloy , with ceramic processing , which could work underwater
- (7) Sealing part is imported from Germany ;
- (8) moving parts has protecting cover to ensure operators security.

Technical Parameters

Model	SP-820
Rated Working Pressure	720bar
Max. Spreading Distance	820mm
Pulling distance	550mm
Rated Tension Force	55-280KN
Weight	≤24.5kg
Dimensions (L*W*H)	900*371*240
Weight (with battery)	24.8kg

4、 Bi-direction Ram

Bidirectional Hydraulic Ram

Product Description	Picture
<p>(1) Bidirectional ram and motor pump or hydraulic hand pump used in combination with the function of opening, lifting, remaining stable of heave object ;</p> <p>(2) The termination point is crosshead which can 360 ° rotating, easy and accurate positioning, can keep safety when firm and grip in various kinds of rescue situations ;</p> <p>(3) Adopts the technology of single interface with dual tube can not only improve working efficiency and reliability, but also reduce the weight of the equipment;</p>	

<p>(4) The body is made of high-strength alloy ;</p> <p>(5) The reversing valve equipped with bi-directional self-locking and integrated automatic reset can be locked in any position、 no retraction, high safety ;</p> <p>(6) The carefully designed anti-skid teeth at each ends ensure that no slippage under stress ;</p> <p>(7) Two-stage piston, bi-directional lifting design ;</p> <p>(8) It is coupled with spreader can spread the dilapidation from gap to open space;</p> <p>(9) the original extension bar structure allows the combinations of various lengths slickly ;</p> <p>(10) Can be operated with pressure, very convenient and can save rescue time ;</p> <p>(11) All of the sealing elements are imported from Germany, the quality is better.</p>	
---	--

Application

1. Rescue for highway, railway traffic accidents, Air disaster and Salvage;
2. Rescue for building collapse and earthquake disaster;
3. Moving obstructions, lifting objects, creating rescue paths and maintaining stability of objects .

Feature

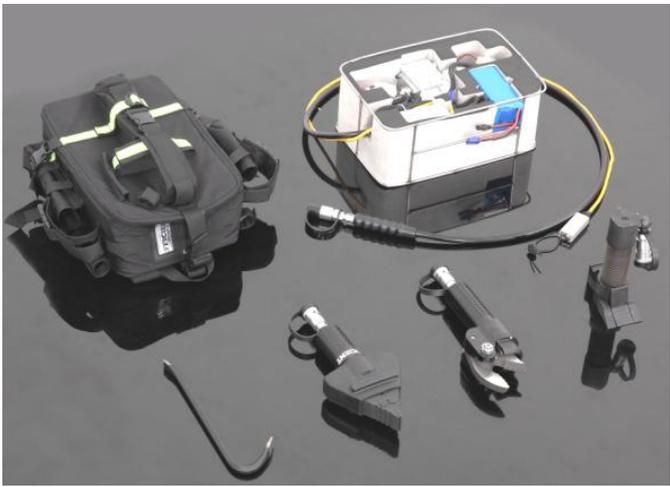
- (1) Adopts the technology of single interface with dual tube can not only improve working efficiency and reliability, but also reduce the weight of the equipment
- (2) Lightweight, easy to carry ;
- (3) Easy to operate、 high sensitivity, easy for left and right hand operation.
- (4) The function of bi-directional self-locking can reduce the risk of rescuer during operation ;
- (5) With high speed operation and high rescue efficiency ;
- (6) The reversing valve equipped with bi-directional self-locking and integrated automatic reset can be locked in any position、 no retraction, high safety ;
- (7) Two-stage piston, bi-directional lifting design ;
- (8) Can be operated with pressure, very convenient and can save rescue time ;

Technical Parameters

Model	R-1230
Rated Working Pressure	720Bar
Max. Lifting Force	156KN

Telescopic Length	490mm
Spread Distance	2x245mm
Contraction - Extension Length	740-1230mm
Weight	18.5 kg
Dimension (L*W*H)	740x200x110mm

IX Backpack Electric-Hydraulic Sets

Backpack Electric Hydraulic Tools	
Product Description	Picture
<p>Backpack Electric Hydraulic Tools is with electric pump as power, light weight, large force, high efficiency, simple single hand operation mode, so that the rescue personnel in a narrow space using a single hand more flexible use of tools; mainly used for rolling shutter door, metal anti-theft door dismantling operations; Seals all imported from Germany , better quality.</p>	
Application::	
Features::	
Accessories:	
Technical Parameters	
Model	EHK-5A
<p>Crowbar Parameters</p> <p>Weight 0.5kg Length 300mm</p>	<p>WB-A</p> 

Hydraulic Door Opener

Model GYKM-63-60/100-W
Rated Working Pressure 720bar
Separating force.....50KN
Closing distance.....210mm
Opening Distance 180mm
Separation Distance 230mm
Lifting Distance 300mm
Weight ≤3.9kg
Dimension(L*W*H) 210*135*75mm



Micro-Hydraulic Spreader

Model GYKZ-42/150-W
Rated Working Pressure 720bar
Opening Distance 152mm
Separation Force 42KN
Weight 3.3kg
Dimension(L*W*H) 345*160*75mm



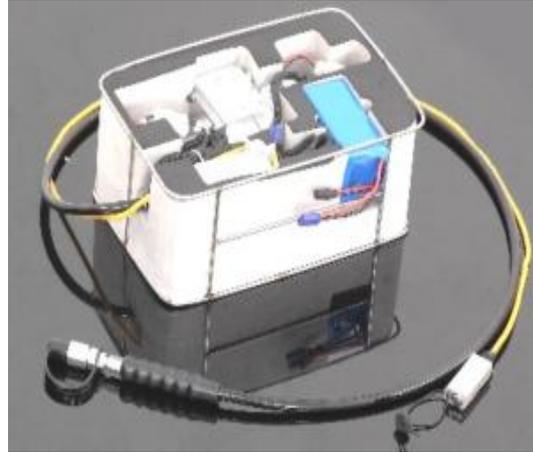
Micro-Hydraulic cutter

Model GYJQ-36-18/60
Max. Opening Distance of Blades: 60mm
Rated Working Pressure: 720bar
Max. cutting force.....115KN
Max. Cutting Capacity: φ18mm
Weight: ≤ 2.8kg
Dimension(L*W*H) 350*105*75mm



Electronic Pump

Model	EP-B
Rated Pressure	720bar:
Rated Output Flow(high flow)	0.4L/min:
Rated Output Flow(low flow)	1.0L/min:
Switch Pressure	5-10Mpa
Hydraulic Oil Volume	0.2L
Motor Power	550W
Motor Speed	2500rp/min
Battery(Li-ion rechargeable batteries):	24V
5AH	
Weight	≤10kg
length of output Pipe Line	2m



Multifunctional Waist Axe YF-A

Product Description	Picture
<p>Multifunctional Fire Rescue Waist is a versatile hand tool set shovel, axe, hammer, pry, saw, and other functions as one of the portable hand tool. It is a good rescue helper carried by the army, armed police, fire fighting and rescue personnel. Moreover, it can be used not only in the fire, disaster field (broken doors, windows, boards and earthquake, collapse, vehicle accidents.etc)and other special occasions, but also a variety of rescue problems can be solved. It is one of the breaking rescue tools for survival in outdoor activities.</p>	

Application: 1. Traffic accident and air disaster rescue, 2. Earthquake and other geological disasters rescues, 3. Collapse 4. vehicle accident and other special occasions

Feature: (picture one)1. Available for chopping wood or iron, and also break 6.5mm steel. 2 Cutting edge of Axe, can be used to cut wood frame structure, wooden doors, wooden windows and so on. 3. Handle blade used as trough and cut steel and iron combined with another axe. Handle blade and cutting saw can be used interchangeably, part of the handle blade and the main cutting saw adopt button setting to limit the location and easy to operate, reliable and beautiful, non-slip handle design with rubber structure. 4. Sharp chisel can impact drilling hard objects, wire hook groove can hook wire type.(Picture two)1. Available for chopping wood or iron, and also break 5mm steel. The axe surface adopts new structure which can reduce the resistance. 2. You can pry standard nails from the wood, but the greater force required thicker nails. 3. Slotted device can be used on a wood or 1.5mm steel to Gouge export, so that other tools could enter easily. 4. Axe jaw not only can be used to break wood board less than 21mm or to distort the thin steel sheet, but also screw the edge distance 10/16/18/20 four specifications fasteners. 5. Gutting head can be used to cut 2.5mm steel or automotive protective glass, the cutting head is extensible and can be used alone.

Technical Parameters

Model	YF-A;YF-B	
Minimum Arm Strength	7.5in	190mm
Maximum Arm Strength	11.4ibs	290mm
The Minimum Cutting radius of gyration	11.8ibs	300mm
The Maximum Cutting radius of gyration	15.8ibs	400mm
Max Opening disaster	0.16ibs	4mm
Hand Force	2ibs	9N
Weight	1.98ibs	0.9kg
Dimension(L*W*H)	11.8*5.5*0.78in 62	300*140*20mm