



Water rescue equipment



Wide range of uses

Provides personal safety protection in cold and hot water rescue, as well as fast and effective teaching operations



Target Groups

Specialising in water rescue, providing firefighters with a full range of water rescue equipment and one-stop service support



Complete qualification



After-sales maintenance

Aqua Rescue should arrange for full-time personnel responsible for the custody and maintenance, usually should be stored in a dry and ventilated place

Total water personal equipment set



The Water Rescue Personal Equipment Set includes Water Rescue Headgear, Wet Teaching Suit, Jellyfish Suit, Dry Rescue Suit, Riptide Lifejacket (PFD), Water Rescue Boots, Rope Throwing Bag, Water Rescue Gloves, Water Rescue Knife, Survival Whistle, Indicator Light, Multi-functional Light, Personal Drinking Water Bag, Personal Gear Bag, etc, which is head-to-toe armed



Riptide life jacket

Model:JJSY190

▲ Provide qualification

ES Environmental Management System Certification

Occupational safety and health management system

Quality Management System

GB/T19001-2016/1509001:2015

Provide national fire test report



Hand-held elasticated drawstring at the back neckline

The rear collar is designed with a handheld elasticated pulling strap. The back pull rope is connected to the pull ring, and the breaking force of the pull rope is $\geq 1200\text{kg}$



Leg straps

The hem has attachment points for leg straps to prevent the suit from being swept away by the current



Plastic opening zip

A vest design with a plastic open-end zip on the chest placket and a plastic puller buoyant piece fixed in the fabric compartment



PDF self-rescue device

A multi-functional belt is set around the chest, the front chest is set with a PFD self-rescue device, and the back back is equipped with a haul rope connecting pull ring



500D nylon fabric

Square knit pressure points and Cordura® in 500D for water and abrasion resistance



Highly visible fluorescent tape

Improves visibility for the operator at night or where the light is dark



Front mounted hanging point

Users are in good hands when it comes to fixing knives, whistles or other things

Model:JJSY100



Provide ES environmental certification, provide occupational health, provide quality system
GB/T19001-2016/ISO9001:2015 certification, Provide national fire test report



Technical Parameters

Buoyancy test

Produces 22lbs (equivalent to 10kg gravity) of buoyancy. Tested to float upwards for 90kg adults

Suitable for chest

76 to 145cm. 8 adjustable fastening straps ensure a comfortable and stable fit

Waterproof fabric

Square knit pressure points and Cordura® fabric in 500D

Pocket capacity

Two large front pockets for GPS devices or radios

Front and Rear Peg Points

Three front hanging points to secure knives, whistles, etc., and one back hanging point and magic webbing for strobe lights, etc

Highlighted fluorescent light

The PFD has a total of six bright fluorescent bands sewn on the front and back to improve the visibility of the operator at night

Back hem

The back of the back has a drawstring attachment pull loop; the hem is attached to the leg fixing straps

Model:JJSY165



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Technical Parameters

Buoyancy test

With NBR buoyancy foam, it can produce 165N buoyancy. Tested 90KG adults can float upwards

Suitable for chest circumference

75 to 145cm. 8 adjustable fastening straps ensure a comfortable and stable fit

Waterproof fabric

39 sewn-in knot reinforcements and 500D Cordura® ripstop fabric with PU waterproof coating

Pocket capacity

2 front pockets with quickly removable quick drains, large back pockets for logo customization

Front and rear hanging points

Four front UTX® hanging points and Velcro allow users to use and secure knives, life jacket lights, whistles

Highlighted Fluorescent

The PFD has a total of four SOLAS marine standard fluorescent bands sewn on the front and back

The system unit

Rear back with tow rope attached 316# stainless steel pull ring, chest UTX® Quick Disengagement System device

Model:JJSY160



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Technical Parameters

Buoyancy test :Produces 150N of buoyancy. Tested 90KG adults can float upwards

Suitable for chest size: 76 to 145cm. 8 adjustable fastening straps ensure a comfortable and stable fit

Waterproof fabric: Square knit pressure points and 500D Cordura® fabric

Pocket Capacity: Two large capacity front pockets for GPS devices or radios

Front and rear hanging points: Four front hanging points enable the user to use and secure knives and whistles

High Gloss Fluorescent: A total of six high-gloss fluorescent bands are sewn on the front and back of the PFD to improve the visibility of the operator at night

Rear back hem :Rear back with tow rope attachment pull loops; lower hem connects to leg retention cross straps

Land throw rope: Chest flap with plastic opening zip and three multifunctional belts around the chest

PFD self-rescue: Chest live bait quick release system, in a crisis pull the PFD self-teaching device to quickly disengage

Back Rescue: Reflective RESCUE sticker with RESCUE lettering 316 stainless steel pull ring to attach the tow rope



Land-based paracord

Plastic chest zipper with three multifunctional belts around the chest.

PFD self-rescue

Chest bait release system, in case of crisis, pull the PFD self-rescue device to quickly disengage.

Back Rescue

Reflective RESCUE sticker with RESCUE lettering. 316 stainless steel puller to attach tow rope.

Model:JJSY150



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Technical Parameters

Buoyancy Test

Produces 22lbs (equivalent to 10kg gravity) of buoyancy. Tested to float upwards for 90KG adults

Suitable for chest

76 to 145cm. 8 adjustable fastening straps ensure a comfortable and stable fit

Waterproof fabric

Square knit pressure points and 500D Cordura® fabric

Pocket Capacity

Two large capacity front pockets for GPS devices or radios

Front and rear hanging points

Three front mounting points to hold knives, whistles, etc., and one back mounting point and velcro strap for strobe lights, etc

Multiple Carabiners

Plastic carabiners and adjustable nylon webbing ensure that the pockets don't open by mistake during operation

Highly visible fluorescent light

The PFD has a total of 6 bright fluorescent strips sewn on the front and back to improve the visibility of the operator at night

Back connection

The back of the PFD is equipped with a quick-release drawstring for quick escape in case of danger

Rear hem

The lower hem has leg straps to prevent the lifejacket from being washed off by water currents and waves

Model:JJSY160



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Technical Parameters

Feature Advantage : ≥2 sets of ladder buckles on both sides of the waist,

nylon webbing adjustment ≥2cm,

bottom nylon strap ≥4cm

Reinforced buoyancy: Device buoyancy ≥ 205N, front chest is set PFD self-counting device

Waterproof fabric: The fabric is made of square knit pressure point and 1680D material nylon fabric

Pocket capacity : 2 front and 1 back pockets (removable) made of high-capacity drainage mesh

Front and Back Hooks: Multiple front mounting points make it easy to use and secure knives and whistles

Quick release lure: A 5cm wide nylon belt with a set of stainless steel day loops and plastic fastenings

Rear hem : Rear back with drawstring attachment loops; hemmed leg cross straps

Model: JJSY190



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Technical Parameters

Chest placket back collar :The chest placket is designed with a plastic open zip and a handheld elasticated carry strap added to the back neckline

Feature Advantage:Waist both sides ≥ 2 groups of ladder type buckle, nylon webbing adjustment ≥ 2 cm, bottom nylon belt ≥ 4 cm reinforcement

Buoyancy device :Buoyancy ≥ 205 N, front chest is set PFD self-counting device

Waterproof fabric:The fabric is made of square knitted pressure point and 1680D material nylon fabric

Pocket capacity :2 front and 1 back pockets (removable) made of high-capacity drainage mesh

Front and Back Hooks:Multiple front mounting points make it easy to use and secure knives and whistles

Quick release lure:A 5cm wide nylon belt with a set of stainless steel day loops and plastic fastenings

Rear hem :Rear back with drawstring attachment loops; hemmed leg cross straps



NO.1 Riptide Life Jacket
Model: JJSY190



NO.2 Riptide Life Jacket
Model: JJSY190



NO.3 Riptide Life Jacket
Model: JJSY150



NO.10 Riptide Life Jacket
Model: JJSY100



NO.11 Riptide Life Jacket
Model: JJSY200



NO.12 Riptide Life Jacket
Model: JJSY160



NO.4 Riptide Life Jacket
Model: JJSY190



NO.5 Riptide Life Jacket
Model: JJSY190



NO.6 Riptide Life Jacket
Model: JJSY100



NO.13 Riptide Life Jacket
Model: JJSY200



NO.14 Riptide Life Jacket
Model: JJSY150



NO.15 Riptide Life Jacket
Model: JJSY165



NO.7 Riptide Life Jacket
Model: JJSY



NO.8 Riptide Life Jacket
Model: JJSY200



NO.9 Riptide Life Jacket
Model: JJSY160



NO.16 Riptide Life Jacket
Model: JJSY



NO.17 Riptide Life Jacket
Model: JJSY190



NO.18 Riptide Life Jacket
Model: JJSY

Water Rescue Split Wet Suit

Model:SY-FS-LTF



Neoprene material

3mm titanium coated neoprene material provides good heat reflection and warmth in cold temperatures



Highly visible reflective tape

Fluorescent reflective areas on the arms and legs with the word RESCUE for added warning to rescuers



Split top and bottom

Split design, easy to wear and prevent slipping off during diving



Reinforced concealed stitching

All seams are sewn with concealed needles and are reinforced and pressed to ensure warmth and comfort



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Abrasion resistance

After 2000 cycles of friction, the fabric of the wet suit did not wear through. The reinforcing material of the wet suit was rubbed for 6000 cycles, and the specimen did not wear through



Static water pressure resistance performance

After 5 minutes of static water pressure of 100 kPa, the fabric of the wet suit did not show any water droplet leakage in the sample



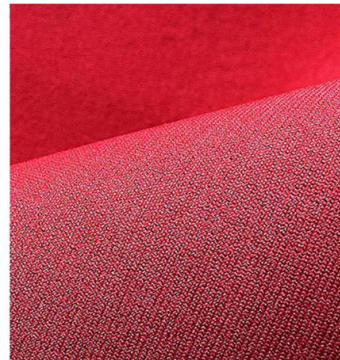
Fabric seam strength

After the tensile strength test of the fabric of wet suit with 150 N, seam diameter of 100N and duration of 10s, there is no fracture phenomenon in the warp and weft directions of the sample

Rounded neckline fits snugly and reduces drag in the water



3mm neoprene fabric for warmth and protection from the cold



Adjustable high-strength plastisol quick release buckle waistband



Split Wet Rescue Suit ①



Split Wet Rescue Suit ②



Split Wet Rescue Suit ③



Split Wet Rescue Suit ④



Split Wet Rescue Suit ⑤



Split Wet Rescue Suit ⑥⑦



Water rescue one piece wet suit

Model:SY-FS-LT



Neoprene material

3mm titanium coated neoprene material provides good heat reflection and warmth in cold temperatures



One piece top and bottom

One piece top and bottom with adjustable zips at the legs and cuffs



Highly visible reflective tape

Fluorescent reflective areas on the arms and legs and the word RESCUE for added warning to rescuers



Reinforced concealed stitching

All seams are sewn with concealed needles and are reinforced and glued to ensure warmth and comfort

Portable storage bag for easy storage on the go



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Abrasion resistance

After 2000 cycles of friction, the fabric of the wet suit did not wear through. The reinforcing material of the wet suit was rubbed for 6000 cycles, and the specimen did not wear through



Static water pressure resistance performance

After 5 minutes of static water pressure of 100 kPa, the fabric of the wet suit did not show any water droplet leakage in the sample



Fabric seam strength

After the tensile strength test of the fabric of wet suit with 150 N, seam diameter of 100N and duration of 10s, there is no fracture phenomenon in the warp and weft directions of the sample

Rounded neckline fits snugly and reduces drag in the water



Adjustable high-strength plastisol quick release buckle waistband



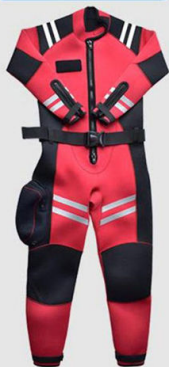
3mm neoprene fabric for warmth and protection from the cold



One piece wet rescue suit①



One piece wet rescue suit②



One piece wet rescue suit③



One piece wet rescue suit③



One piece wet rescue suit④



One piece wet rescue suit⑥⑦



Dry Rescue Suit

Model:SY-F



3-layer waterproof composite nylon fabric

Adopting 320D thick waterproof and breathable composite nylon fabric, laminated composite fabric technology, with ultra-lightweight, wear-resistant, cut-resistant, waterproof, breathable and other functions



External waterproof flap

Flap design, airtight and waterproof zip closure with external waterproof cover, no need to take off the whole garment when using the toilet



Highly visible reflective tape

Horizontal vertical reflective strips on both arms, reflective strip width $\geq 25.4\text{mm}$ for improved visibility in dim and foggy environments



Velcro rubberised joint opening

Rubber neck adjustable velcro elasticated collar and cuffs for a snug fit and protection



Additional portable carry pouch for easy on the go storage



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Thermal insulation performance

After the insulation performance test, none of the subjects' body surface temperature will be below 10°C , the body temperature dropped by 1.0°C , and the subjects can pick up a pencil with a diameter of 8mm and write.

Anti leakage performance



Anti-leakage performance

Rescue clothing water intake $< 200\text{g}$ after 1 hour in static water permeability test



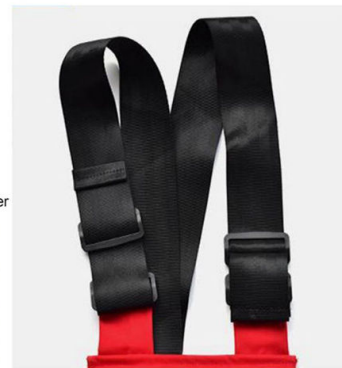
Temperature suitability performance

After 10 high and low temperature cycles, the product has no wrinkling, rupture, swelling, decomposition and other phenomena or changes in mechanical properties

Sealed rubber adjustable velcro on collar, cuffs



Internal adjustable Y-shaped straps for easy wearing



Zip closure for toileting with external waterproof cover



Hooded Dry Suit①



Dry Rescue Suit②



Dry Rescue Suit⑥



Dry Rescue Suit③④⑤



Hooded Dry Suit⑦





Water Rescue Helmet

Model:SY-TK



Hard shell inner layer

ABS high strength engineering plastic shell, high pressure foaming EVA foam cotton bonding between helmet inner shell and outer shell



Ventilation holes on top

Multiple drainage vents on top of the helmet to keep you cool in hot weather



With special adjuster

Rear cogged knob adjustment for helmet sizing; adjustable snap-on jaw strap



Fixed base rails

All seams are sewn with concealed needles
Front of helmet with sports camera fixing base rails on both sides to fix rescue headlamps

Product Structure Analysis



01

Impact absorption performance

The impact force on the head mould was 3389N, the steel cone did not penetrate the helmet to make contact with the head mould.

02

Top impact resistance

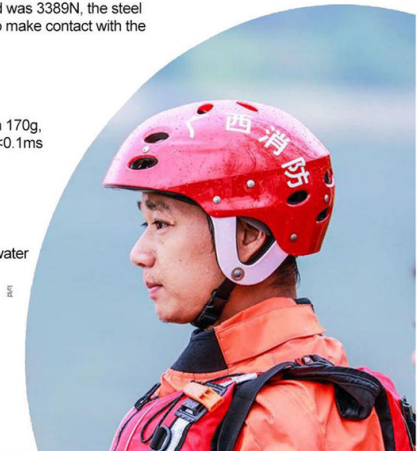
Maximum acceleration not less than 170g, acceleration over 150g action time <0.1ms

03

Floating performance

After 4h floating performance test, the helmet can always float on the water

- Rescue helmet weight:546G





NO.1

Regular half helmet with round holes
11 ventilation and drainage holes
Hollowed out ear protection
Rear gear knob adjustment
Adjustable buckle lower forehead strap



NO.2

Round hole half helmet with rail upgrade
Cut-out ear protection design
Rear cog knob adjustment
Adjustable snap on chin strap
Left and right side rail mounted rescue lights



NO.7

Pointed Hole Half Helmet Regular Model
8 holes for ventilation and drainage
4 holes in each ear
One-piece ear protection for full helmet
Rear gear knob adjustment



NO.8

Tip Hole Half Helmet with Rail Upgrade
4 holes in each ear for ventilation and drainage
Gear knob adjustment at rear
Adjustable snap-on jaw strap
Left and right side rail mounted rescue lights



NO.3

Round hole half helmet with rails and pedestal high profile
Adjustable rear geared knob
Adjustable snap-on jaw strap
Right and left side rails for mounting rescue lights
Front with sports camera mounting base



NO.4

Tip Hole Full Helmet Regular
8 holes for ventilation and drainage
1 large ventilation hole for each ear
One-piece ear protection
Rear gear knob adjustment



NO.9

Tip Hole Half Helmet with Guide, Pedestal High-end model
Full helmet with integrated ear protection
Adjustable snap-on jaw strap
Rescue lights on left and right side rails
Front end with sports camera mounting base



NO.10

Square Hole Half Helmet with Rail Upgrade
10 square holes for ventilation and drainage
Hollow out ear protection design
Rescue lights on left and right side rails
Adjustable snap-on jaw strap



NO.5

Pointed hole full helmet with rails and base high end model
Full helmet with integrated ear protection
Adjustable snap-on jaw strap
Rescue lights on left and right side rails
Front mounting base for sports camera



NO.6

Tip Hole Full Helmet with Rail Upgrade
1 large ventilated drain hole in each ear
Full helmet with integrated ear protection
Adjustable snap-on jaw strap
Rescue lights on left and right side rails



NO.11

Square holes half helmet with rails, base and high end model
Cut-out ear protection design
Rear Gear Knob Adjustment
Left and right side rails for mounting rescue lights
Front with sports camera fixing base



NO.12

Round hole full helmet national emblem model
6 holes for ventilation and drainage
3 ventilation holes for each ear
Full helmet with integrated ear protection
Gear-type knob at the back to adjust the head circumference



NO.13

Regular half helmet with round holes

14 holes on the top, 6 holes on the back and 4 holes on the front
Yellow reflectors on both sides of the helmet
Three-dimensional firefighting cap badge on the front of the helmet
Orange and red colours



NO.14

Round hole half helmet with rail upgrade

Full helmet with integrated ear protection and brim design
8 holes for ventilation and drainage
3 ventilation holes for each ear
Left and right side rails for mounting rescue lights
Front mounting base for sports camera



NO.15

Round hole half helmet with rails and base high profile model

8 holes for ventilation and drainage
4 ventilation holes for each ear
One-piece ear protection for full helmet
Yellow reflectors on both sides of the head
Rescue lights can be mounted on the left and right side rails



Orange frosted model display



Customised reflective lettering effect display

▲ Multi colour available

Customisable colours (red, fluorescent green, yellow, orange, blue, white, grey, black)
Glossy and frosted housing materials available



Water Rescue Gloves



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Model: SY-ST

- 1, The gloves are five-finger detachable, the glove body extends circularly and exceeds the wrist bone by 225mm
- 2, The palm is made of synthetic leather and reinforced with aromatic nylon fibre. The back of the hand is made of $\geq 2\text{mm}$ thick neoprene
- 3, Material is a combination of 90% neoprene (neoprene) and 10% AMARA (synthetic leather)
- 4, Palm and finger area made of Amara (synthetic leather) synthetic leather with coating
- 5, Weight $\leq 155\text{g}$



Model: SY-ST

- 1, Horseshoe shaped wrist opening, five-finger style, beautiful wrist opening, easy to take off and put on
- 2, 3D three-dimensional design, gloves fingers are naturally bent state, fit the natural curvature of the hand, comfortable and flexible operation.
- 3, Using high elasticity neoprene composite fabric, good elasticity, comfortable and close to the hand, high warmth
- 4, The zip opening at the wrist is designed to expand the width of the opening when needed, making it easy to wear
- 5, Palm fingers to strengthen the non-slip design, to ensure that in the paddling and operation of the rope can play a good non-slip hand and protection
- 6, The gloves have the function of sun protection, anti-bite, anti-cold and anti-vandalism



Water Rescue Boots



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Model: SY-X

- 1, Using soft double-layer neoprene neoprene fabric to make high tensile strength, excellent comfort and warmth
- 2, Extra long YKK waterproof zip from the boot sole to the ankle, more convenient to put on and take off
- 3, Tough moulded plastic outsole with solid non-slip ability and excellent abrasion resistance
- 4, Vamp and heel reinforcement layer, improve the strength of the boots, relieve the impact of collision, increase foot safety.
- 5, Heel area with non-slip bumps, easy to be firmly combined with the frog shoes



Model: SY-X

- 1, Lace up mid top design, double layer structure, one piece synthetic leather with 5mm neoprene coating provides warmth, ankle protection and better fixation. The elasticated neoprene liner provides good warmth and ankle support
- 2, 7mm neoprene insole with a thickness of 3cms provides good shock absorption and increased comfort
- 3, Bone-resistant sole design, strong and sturdy, safe and comfortable, can be adapted to a variety of terrain on the water and land
- 4, Frequent wear areas using synthetic leather and rubber reinforcement treatment
- 5, Drainage holes are provided in the inner row of the boots to facilitate water discharge
- 6, Heel raised design, convenient and foot Pu with the use of



Water rescue rope cutter



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▲ Product Structure Analysis



Pair with exciting garments for hanging



Cutting performance

Cutting performance test according to the specified requirements, the operator can cut off the diameter of 9.5mm, 12.5mm, 16mm nylon fire safety rope, and cut a time are not more than 10s



Corrosion resistance

After 48h neutral salt spray test, there is no obvious corrosion of the water rescue knife

Model: SY-ST

- 1, The blade is titanium alloy
- 2, Flat and toothed edge, and a rope cutting hook
- 3, At the same time the flat head can also be used as a screwdriver
- 4, The special sheath can hold the knife securely, pinch the ends of the sheath, the knife will automatically pop up
- 5, Polka dot shaped handle can provide good friction, even in the wet environment will not come off
- 6, The sheath has a clip to securely fasten the knife to the PFD
- 7, The handle of the knife is equipped with a bottle opener, and the end of the knife is equipped with a pointed window awl
- 8, knife length: $\leq 190\text{mm}$, blade length 76mm , hardness $\geq 51\text{HRC}$

Titanium Waterside Rescue Knife



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Model: SY-D180

- 1, Titanium alloy diving rescue knife is a combination of extreme lightness, super toughness and high corrosion resistance. It is tougher than steel and sharp enough
- 2, Flat and toothed edge, and a rope cutting hook, meet most of your needs
The flat tip is designed to prevent the tip of the blade from injuring the user or other puncture injuries. At the same time this flat head can also be used as a one screwdriver
- 3, The special sheath can hold the knife firmly in place, however, by easily pinching the ends of the sheath, the knife will automatically pop out
- 4, The wavy handle provides good friction and will not come off even in wet conditions
- 5, The clip of the knife sheath can be firmly fixed on the PFD
- 6, the handle has a luminous function, even in the dark can also be effective to see clearly
- 7, Material: titanium alloy blade (will not oxidise and rust)
- 8, the standard version of the knife length 18.5cm, blade length 8.5cm



Water rescue rope cutter



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Model: SY-D180

- 1, Scissors type blunt knife, with stainless steel fixing ring at the end, the length of the waterside knife is 170mm, together with the total length of the knife sheath is 185mm, and the knife blade is 86mm
- 2, the knife handle and blade can be separated, handle and blade separated to form a scissors structure, combined with one side of the blade and the other side of the blade for the saw blade of the blunt ended knife structure, a set of shear, cut, saw as a whole
- 3, with a safety sheath, can be fixed with one hand insertion and extraction, blade material: 420J2 stainless steel, scissors design, sheath ABS material
- 4, with a strap to facilitate the fixation of the buoyancy vest in the pressure tube



Water Rescue Rope Cutter



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Model: SY-D180-01

- 1, blade material: 100% titanium alloy
- 2, Rockwell hardness: ≥ 50
- 3, sheath material: black ABS plastic, lockable blade
- 4, total length ≥ 18 cm, blade length of about 7cm, total weight of about 200g
- 5, blade: one side of the smooth edge and cut rope mouth, the other side serrated edge



Model: SY-D180-02

- 1, blade material: 304 stainless steel
- 2, Rockwell hardness: ≥ 50
- 3, sheath material: black ABS plastic, lockable blade
- 4, total length ≥ 18 cm, blade length of about 7cm, total weight of about 200g
- 5, blade: one side of the smooth edge and cut the rope mouth, the other side of the serrated edge



Water Rescue Knife



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Model: YS-QSD

- 1, should choose blunt knife, to avoid other injuries
- 2, The total length of the knife is 18cm-20cm, and the length of the blade is 8cm-10cm
- 3, Single blade with 13 teeth saw. Blade with hook, can be used for cutting rope
- 4, The blade material is stainless steel, hardness HRC38 degree
- 5, Hard plastic sheath. Handle with a guard, plastic moulding with rubber inserts
With two rubber leg straps



Model: YS-TQSD

- 1, the thickest part of the blade: 3mm, the overall length of the knife: 180mm, blade length: 80mm; blade material: TC4 titanium Taiwan gold (non-surface degree of colour); sheath: environmental protection PC engineering plastics
- 2, TC4 titanium alloy through the entire handle, one-piece more solid
- 3, the sheath can be worn directly on the weight belt BCD belt, or choose to double rubber straps with
- 4, The belt loop on the back of the knife can be worn directly on the weight belt, and the knife can be used with a strap. The knife comes with a free screwdriver and a portable sharpening stone
- 5, the sheath is made of environmentally friendly PC engineering-grade plastic, drop-resistant, the sheath and the knife body insurance links to ensure that the knife body and the sheath will not be easily separated from the underwater, a press switch design, convenient, safe



Water Rescue Floating Rope / Rope Bag



Provide ES environmental certification, provide occupational health, provide quality system GB/T19001-2016/ISO9001:2015 certification

Provide test reports issued by provincial and above special safety protection product quality supervision and inspection centres in line with GB/T 8834-2016 standards



Orange Regular



Orange Reflective

▲ Rescue Rope / Throwing Rope Bag Features

- Made of high-strength lightweight fibre, can float on water, high strength, low elongation, good impact resistance, wear and corrosion resistance
- Product diameter is 6, 8, 10, 12, 14mm, length is 20, 30, 50, 80, 100, etc, can be customised
- Ordinary model colour is orange, reflective model has night reflective and luminous marking performance

▲ Application field

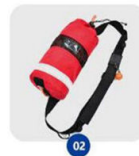
- Widely used in water rescue, can also be matched on life buoys, life jackets on small boats, teaching life floating, etc



RESCUE ROPE THROWING BAG



01



02



03



04



05



06



07



08

- Rope bag is made of high strength rubberised nylon fabric and mesh
- The closed top allows for a smooth throwing motion and easier filling

15m Rescue Rope Throwing Bag



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Model: SY-B6/15

- 1, with a double quick release device belt part, behind the middle part of the 316 stainless steel D type buckle, easy to rescue fast hanging drag use, four D type plastic steel buckle more convenient to hang buckle more items
- 2, orange high strength CORDURA fabric body, easy to identify on the water. The bag body is equipped with a wider mesh cloth, rapid drainage of water inside the bag. Reflective tape on the body
- 3, The drawstring is equipped with a cylindrical lock, and the nylon fabric drawstring at the top of the rope bag helps the rope slide out smoothly, making it easy to reinstall the rope and tighten the drawstring outlet
- 4, Buoyant foam inside the bag, 500D PU waterproof pocket cover fabric, can float on the water
- 5, rope bag tail with 316 stainless steel D-type buckle, easy to hang quickly on the mountaineering buckle
- 6, the package has 15m diameter 9.5MM water floating lifeline, tensile strength $\geq 12\text{KN}$, polypropylene fibre cross-braided outer layer, the inner package of polyethylene rope core, the rope can be floated on the water surface
- 7, The rope bag is designed with a velcro on the outside, which is suitable for quickly pasting team logo, custom name, emergency rescue LOGO, etc

Water Rescue Oxtail Rope



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Model SY-N100/5

- 1, 30MM wide tubular nylon webbing, built-in elastic band, high tensile strength, good dimensional stability, strong resistance, effectively improve the water occasions, people, things traction capacity
- 2, equipped with stainless steel O-ring and triangular connecting lock, easy to hook up
- 3, Thickened plastic sealing at both ends of the tow rope, good weather resistance, solid friction resistance
- 4, tow rope and PFD quick release belt combined use, emergency, pulling people, pulling things can be quickly separated
- 5, specifications: static length 102M, stretch length $\geq 161\text{CM}$, tubular nylon webbing width: 30MM, stainless steel ring: steel wire diameter 8MM, ring inner diameter 50CM
- 6, Quick connect lock buckle: made of aviation aluminium, wire diameter 8MM, inner height 57.5MM, inner width 41MM, maximum opening 10.5MM
- 7, Sewing at both ends: Z-type sewing reinforcement, the sewing surface is woven with reflective silk, which is easy to reflect the light in the dark environment
- 8, Colour: Black. Strength performance: 5KN

(Korean style) Lifesaving Throwing

Model:PTQ20-Y100S70



▲ Technical Parameters

- 1, Conforms to GB/T 27906-2011 'life-saving thrower' standard requirements
- 2, Compressed air working pressure: 200kg/20mpa/200bar The overall weight of the product is less than 3.5KG, and the projectile quality is more than 1.5KG
- 3, throw rope size: $\phi 44\text{mm} \times 120\text{M}$, throw rope tension is not less than 2000N
- 4, flight time: about 3-5 seconds
- 5, Water floatation device into the water within 5 seconds automatically inflated into a lifebuoy, generating more than 8KG buoyancy
- 6, the product needs to be connected to an external gas cylinder to the thrower inflatable, need to configure high-pressure gas cylinder (high-pressure gas cylinder purchased separately), lightweight pressure-resistant high; automatic inflatable lifebuoy warhead is easy to install and replace, and can improve the efficiency of the teaching aid

▲ Throwing distance

For water use, the distance of auto-inflatable life ring can be up to 79M
Up to 126M for land use

▲ Scope of use

- 1, Water rescue: It is suitable for complex rescue places such as riverside, lakeside, riverside and seashore, and can realise short distance water rescue
- 2, Land rescue: suitable for civil, fire, ship to ship, ship to shore, high rise or mountain-run rescue occasions such as rope throwing operations



126m

▲ Configuration list

- Launch host 1 pcs
- 0.5L launch gas cylinder 1 pcs
- Inflatable tube 1 pcs
- Rope, including 120m rope pcs
- 16g spare small cylinder 2 pcs
- Water-soluble tablets 2 pcs
- Lifebuoy protective shell 5 pcs
- Self-inflating lifebuoy 1 pcs
- Handbag 1 pcs



(American style) Life Saving Throwing

Model:PTQ20-Y125S100

▲ Technical Parameters

- 1, It meets the standard requirements of GB/T 27906-2011 'Life-saving Throwing Apparatus'
- 2, Use high pressure compressed air, working pressure: 20MP, total weight $\leq 13\text{KG}$, projectile quality $\leq 1.5\text{KG}$
- 3, projectile distance: the highest projectile distance can reach 136 metres when throwing rope, the projectile distance can reach 105 metres when launching the teaching circle in water, and the projectile distance can reach 135 metres when launching the firefighting on land. (Climbing anchor hook: made of titanium alloy, can safely bear 330kg)
- 4, throw rope specifications: two kinds of throw rope, its tension is not less than 2000N, rescue bomb, rescue rope and water with a protective cover, can be used repeatedly
- 5, air flight time: 3-5 seconds, water with teaching aid bullet in the water floatation device into the water within 5 seconds of automatic inflation into the teaching life circle, produce more than 8 kg buoyancy
- 6, Adopting gas cylinder as the launching power, without open flame, it can be shot from or into the flammable area
- 7, The American thrower is easy, fast and simple to use. The firing distance is stable, the firing accuracy is high, the main gun body has explosion-proof device and switch insurance, the safety coefficient is high. Equipped with foldable gun body support rod, which can play a role in launching stability and accuracy when launching



▲ Ejection distance

- When throwing ropes, the maximum throwing distance can reach 136m
- When using water, the launch distance of the teaching circle can reach 105m
- The launch distance of land fire protection can reach 135m
- The climbing anchor hook is made of titanium alloy and can bear a weight of 330kg



▲ Configuration list

- Carrying bag 1 pcs
- Launching gun 1 pcs
- Black launching cylinder 1 pcs
- Launch Cylinder Protective Cover 1 pcs
- Inflatable tube 1 pcs
- Red lifebuoy plastic cover 5 pcs
- Self-inflating lifebuoy 1 pcs
- Carbon dioxide cylinder 5 pcs
- Earplugs 1 pair
- Cylinder connector 5 pcs
- Trigger 5 pcs
- Spanner 1 pcs
- Instruction manual 2 copies (Chinese and English)
- CD-ROM 1 pcs
- 3mm diameter rope 150m 1 pcs
- Plastic small rope bucket 1 pcs
- 8mm diameter rope 100m 1 pcs
- Plastic large rope bucket 1 pcs
- Projectile anchor hook 1 pcs



Anchor Hook Lifesaving Thrower

Model:PTQ7-Y150S110Q55

- Launching machine 1 set
- Land rescue bomb ≥ 2 pcs (built-in 150m rescue rope)
- Water rescue projectile ≥ 2 pcs (built-in 100 m of water rescue rope, with automatic inflatable teaching life circle)
- Training bomb ≥ 1 pcs
- Rope bag ≥ 1 (containing 150m of 3mm diameter rope)
- 2L carbon fibre cylinder (for rope collection or continuous launch use)
- Rope loader ≥ 1 pcs
- 33g CO2 compressed gas cylinder 28 pcs
- 16g CO2 compressed gas cylinder 24 pcs
- Trigger agent 24 pcs
- Lifebuoy protective cover ≥ 2 sets
- Maintenance kit ≥ 1 set
- Cylinder charger ≥ 1 set
- Rope retractor ≥ 1 set
- Collapsible four-claw anchor hook 1 pcs

01

Shock-absorbing stock

Adopts L-shaped gun design, greatly reducing recoil

02

Aluminium alloy packing box

Sturdy, waterproof and shock resistant, can be stacked regularly on the teaching aid vehicle, which is convenient to put into teaching aid quickly

03

Cylinder Rope Collector

Equipped with a gas cylinder rope collector for rope filling to connect the G5/8 national standard gas cylinders to empty call cylinders for rope filling, to realise on site charging of warheads

The thrower can realise two launch power sources

01



Connection of the thrower to the cylinder by means of an inflatable tube with an 8mm quick coupling

02



Filling device using 33g CO2 cylinders
CO2 cylinder capacity $\geq 33g$

▲ Throwing distance

Throwing distance $\geq 165m$ for land use
Water launching distance of auto inflatable lifebuoy $\geq 110m$
Anchor hook launching other life-saving equipment distance $\geq 60m$
Throwing deviation angle $\leq 1^\circ$

▲ Throwing rope specification

Land rope specification: Diameter $\leq \phi 3mm$
Rope breaking strength $\geq 2450N$
Specification of water-use throwing rope: Diameter $\leq \phi 3mm$
Rope breaking strength $\geq 6350N$



(Portable) Lifesaving Thrower

Model:PTQ7.0-Y150S100



▲ Throwing distance

Land rescue projectile throwing distance $\geq 170\text{m}$

Water rescue projectile projecting distance $\geq 120\text{m}$

▲ Product Configuration

- Launching main unit (including folding stock and rope collector) 1 set
- 33g CO₂ cylinder 8 pcs
- 16g CO₂ cylinder 4 pcs
- Land rescue rounds and water rescue rounds 2 set
- Training projectile head 1 pcs
- Water soluble tablet trigger 4 pcs
- Water protective cover 1 pcs
- Lifeline bag 1 pcs
- Rope Blower 1 pcs
- Decompression inflator 1 pcs
- External inflatable connector 1 pcs
- Aluminium alloy suitcase 1 pcs

1, the launch host (including folding stock): working pressure $\geq 7.0\text{MPa}$; launch host weight $\leq 3\text{KG}$, with folding stock
2, the power source comes standard with ordinary compressed air inflatable device and portable CO₂ cylinder inflatable device CO₂ cylinder capacity $\geq 33\text{g}$

3, land rescue rounds and water rescue rounds: land rescue rounds and water rescue rounds made of high-strength engineering plastics as the main material, the bullet body colour and launch host are eye-catching, easy to identify the orange. Fixed tail built-in aluminium alloy skeleton, fixed tail to ensure the stability of the warhead flight attitude, with wind performance, land rescue rounds, water rescue rounds and auto-inflatable lifebuoys can be reused, rescue rounds into the water within 5 seconds of auto-inflatable lifebuoys, lifebuoy buoyancy $\geq 8\text{kg}$

4, the launch gun body and compressed gas cylinder conduit using fast connection, equipped with a pressure gauge, real-time monitoring, adjusting the launch pressure in the launch body
5, Equipped with a device that can quickly recover the teaching aid rope

▲ Throwing Rope Specifications

Rescue rope size: $\Phi 3\text{mm} \times 120\text{m}$

Maximum breaking tension $\geq 2000\text{N}$

(Portable) Lifesaving Thrower

Model:PTQ6.5-Y180S120Q50



▲ Technical Parameters

- 1, the use of compressed air, working pressure: $\leq 6.5\text{MPa}$
- 2, weight $\leq 3.2\text{KG}$ (net weight), the projectile quality $\geq 1.8\text{KG}$, can be launched more than 6 times
- 3, breaking strength: water rope breaking force $\geq 6000\text{N}$, land rope breaking force $\geq 3000\text{N}$, anchor hook rope breaking force $\geq 6000\text{N}$
- 4, projectile deviation ($^{\circ}$): land projectile $\leq 0.4^{\circ}$, water projectile $\leq 0.5^{\circ}$, anchor hook $\leq 0.7^{\circ}$
- 5, land rescue projectiles and water rescue projectiles are made of high-strength engineering plastics or better materials, the color of the projectile body is easy to identify the orange-red, the fixed tail is built-in aluminum alloy skeleton, and it has wind-resistant performance. Land rescue shells, water rescue shells and self-inflating life buoys can be reused, rescue shells into the water within 5s to automatically inflate into a life buoy, generating more than 8kg buoyancy
- 6, folding grappling hook: SUS304 stainless steel (heat treatment) high-strength aluminum alloy 6061T6 (anodic treatment) or better materials, safe load-bearing: $\geq 400\text{KG}$
- 7, Equipped with gas cylinder rope collector
- 8, Products with folding butt, front grip, handle with insurance switch, equipped with a tilt meter

01

Water Rescue

The farthest distance of water rescue projectile $\geq 125\text{m}$
Breaking force of water rope $\geq 6000\text{N}$

02

Land rescue land rescue projectile throwing
the farthest distance $\geq 185\text{m}$
Land rope breaking force $\geq 3000\text{N}$

03

Anchor Hook Throwing

Anchor hook casting the longest distance $\geq 50\text{m}$
Anchor hook throwing rope breaking force $\geq 6000\text{N}$



▲ Configuration list

Basic launch kit 1 set
Water rescue bombs 2 pcs
Anchor Hook 1 pcs
Blow Rope Gun 1 pcs
Trigger agent 4 pcs
16g Gas Cylinder 4 pcs
Decompression Rope Blower 1 pcs

Land Teaching Aid Shells 2 pcs
PU Training Bullet 1 pcs
Rope bag 2 pcs (with rope)
Air Cylinder Rope Filler 1 set
Water protective cover 2 sets
45g cylinder 8 pcs
External Filler Connector 1 pcs



Lifesaving Thrower (Long Distance)

Model:PTQ8.5-Y230S210



▲ Configuration list

- Basic launching kit 1 set, 1.5L gas cylinder 1pcs
- Land projectile 2pcs(250m rescue rope included)
- Water projectile 2pcs(180m rescue rope included)
- Training cartridge 1pcs, Rope rusher 1pcs
- Rescue projectile launching tube 1pcs
- Training cartridge launching tube 1pcs
- Rope bag 3pcs(1pcs with 150m rope)
- 16g CO2 cylinder 4pcs
- Trigger agent 4pcs
- Water protection sleeve 2 sets
- Common sealing ring 1 set
- Aluminium alloy box 2pcs

▲ Configuration list

- 1, the use of compressed air, working pressure: $\leq 6.5\text{MPa}$
- 2, weight $\leq 3.2\text{KG}$ (net weight), the projectile quality $\geq 1.8\text{KG}$, can be launched more than 6 times
- 3, breaking strength: water rope breaking force $\geq 6000\text{N}$, land rope breaking force $\geq 3000\text{N}$, anchor hook rope breaking force $\geq 6000\text{N}$
- 4, projectile deviation ($^{\circ}$): land projectile $\leq 0.4^{\circ}$, water projectile $\leq 0.5^{\circ}$, anchor hook $\leq 0.7^{\circ}$
- 5, land rescue projectiles and water rescue projectiles are made of high-strength engineering plastics or better materials, the color of the projectile body is easy to identify the orange-red, the fixed tail is built-in aluminum alloy skeleton, and it has wind-resistant performance. Land rescue shells, water rescue shells and self-inflating life buoys can be reused, rescue shells into the water within 5s to automatically inflate into a life buoy, generating more than 8kg buoyancy
- 6, folding grappling hook: SUS304 stainless steel (heat treatment) high-strength aluminum alloy 6061T6 (anodic treatment) or better materials, safe load-bearing: $\geq 400\text{KG}$
- 7, Equipped with gas cylinder rope collector
- 8, Products with folding butt, front grip, handle with insurance switch, equipped with a tilt meter

Lifesaving Thrower (Long Distance)

Model:PTQ8.5-Y350S250Q80

▲ Configuration list

- Launcher 1 pcs (built-in 1.5L carbon fibre cylinder)
- Multi-function base 1 pcs
- Land rescue bomb ≥ 2 pcs (built-in $\geq 410\text{m}$ rescue rope)
- Water rescue bomb ≥ 2 pcs (built-in $\geq 100\text{m}$ of water rescue rope with auto-inflatable teaching life circle)
- Rope bag ≥ 2 pcs (respectively containing $\geq 190\text{m}$ of water rescue rope and water rescue bullets and training bullets used in conjunction)
- 16g CO2 compressed gas cylinder ≥ 4 pcs
- Cylinder rope filler ≥ 1 set
- Training ammunition ≥ 1 pcs
- Rope loader ≥ 1 pcs
- Trigger ≥ 4 pcs
- Rope Collector ≥ 1 sets
- Double ball angle gauge ≥ 1 sets
- Lifebuoy protector ≥ 2 sets

▲ Technical parameters

- 1, working pressure: 8.5MPa ($\pm 0.1\text{MPa}$); weight $\leq 8.5\text{KG}$ (net weight); capacity: rope length $> 500\text{m}$ weight: $\leq 1.2\text{kg}$ (unloaded rope)
- 2, projectile distance: land use projectile distance $\geq 350\text{m}$; water use projectile automatically inflatable lifebuoy distance $\geq 250\text{m}$
- 3, throw rope specifications: land use rope specifications: throw rope breaking strength $\geq 2360\text{N}$; water use rope specifications: throw rope breaking strength $\geq 7150\text{N}$
- 4, Throwing deviation angle $\leq 1^{\circ}$
- 5, There is a manual pressure relief valve on the gun body to precisely control the working pressure of the thrower
- 6, Equipped with gas cylinder rope collector for rope filling, connecting with G5/8 national standard gas cylinder to fill up the rope, realising on-site charging of cartridges
- 7, Equipped with metal multifunctional base, there are 5 adjusting angles such as 30° , 45° , 55° , 65° , 75° . With 2 steel braziers and non-slip rubber, suitable for use in a variety of complex environments
- 8, the gun body is equipped with a pressure gauge (embedded in the gun body), real-time display of the valve body working pressure
- 9, Equipped with a double ball angle meter to adjust the launch angle, easy to control the launch angle, to achieve effective throwing, can make the rescue bomb projectile closer to the destination, and the projectile distance is farther
- 10, aluminium alloy aviation packaging box, strong waterproof anti-shock, can be regular stacked in the rescue vehicle, easy to quickly put into the rescue
- 11, Equipped with a rope collector, can quickly recover the teaching aid rope



640m

Long distance life-saving thrower

Model: PTQ13-Y640S440Q180

1, the main body weight: 9.5kg, the main body length: 216cm; projectile quality 1.8kg, working pressure: 13MPa, working medium: compressed air; average initial speed: 100m / s; automatic inflatable lifebuoy molding time: 5s; lifebuoy buoyancy: 8kg land teaching aid rope tension 2000N, the water with the rescue rope tension 6000N and can be floated: the configuration of built-in automatic Inflatable pressure adjustment device

2, the use of compressed air for the launch power, no open flame, applicable to a variety of use of the environment; configure safety linkage insurance mechanism is safe and reliable, probe for simple and convenient, to eliminate the misfire; lifebuoy use, need to replace the water sensing elements and gas cylinders can be reused; working environment: temperature: -10 °C ~ 45 °C; storage environment: temperature: -20 °C ~ 55 °C; service life; thrower main body: 6 years (excluding seals), throwing missiles: 2 years (except wearing parts)

3, the weight of the projectile; withdrawal of cable missile weight: 1.4kg; lifebuoy missile weight: 1.65kg; projectile distance: water with the projectile automatically inflatable lifebuoy distance: 440m; land with the projectile rope distance: 640m; anchor hook launching distance: 180m, the projectile rope specifications: the diameter of $\phi 3$ mm, the land rope length: 670m, the water with the length of the rope: 380m

4, Throwing objects, ropes, life preservers can be used repeatedly; equipped with a solid special launching base to ensure safe launching in soft and slippery environments, the launching frame can be adjusted up and down to the launching angle"

▲ Product Features

Multifunctional metal base is designed with multi-position adjustable angle, with 30/45/55/65/75 degrees, 5 adjustable angles to choose from, easy to adjust the firing angle. Can be completely folded flat and locked with the gun body, easy to carry. Equipped with base level indicator, indication range 0-4°, convenient to correct the level deviation between the base and ground support. Side cross arrangement of carrying handles, single person can carry. All-aluminum alloy structure, CNC machining, lightweight, shock-resistant and high strength. With steel anti-slip system and anti slip rubber, suitable for soft, hard, wet, slippery and other environments

5 firing angles available

All Aluminum Alloy Architecture

▲ Product Configuration

- Thrower body (including 2L carbon fiber cylinder) 1 pcs
- Long launch tube 1 pcs
- Short launch tube 1 pcs
- Rescue projectile for water use (life circle missile) 2 pcs
- Land rescue rope 1 pcs
- Gas cylinder filling rope device 1 set
- Training Bucket 1 pcs
- Training Bullet 1 pcs
- Launch Stand 1 pcs
- Rope Filler 1 pcs
- Rope Collector 1 set
- Aluminum case 2 pcs
- Specialized High Pressure Seal 1 pcs
- Lifesaving Ring Protector 2 pcs
- Life saving chart 1 pcs
- 16g CO2 Compressed Gas Cylinder 4 pcs
- Trigger agent 4 pcs
- Nylon Ties 8 pcs
- Small tape 1 roll



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