PROFESSIONAL GEAR

Disaster and rescue glove <bio> series

GLOVE CATALOGUE

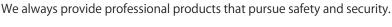
A & T GLOVE STUDIO

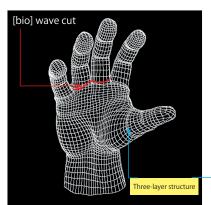
「Power」to support rescue activities with 「creativity」, 「design power」 and 「technical power」

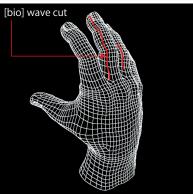
That is the evolving bio <bio> gloves.

Processing / cutting and sewing technology that smoothes the movement of fingers and hands. With new ideas and cultivated know-how.

From products that assume hard work under harsh conditions to products with limited purposes.









<Patent number 3091740>
Which evolved gun cut further
[bio] wave cut

The fingers can be bent and stretched smoothly, and the grip is excellent.

■The case with conventional gun cut···

Even if an elastic material is used, the sewing thread sewn in a straight line interferes with the characteristics of the material, and there is a feeling of tightness and dullness, which may hinder movement.

■bio Wave Cut,

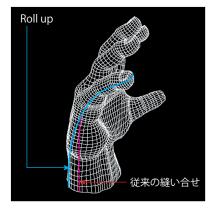
- ●The base of the fingers and the seams of the palm are cut in a wavy shape. This cutting prevents a feeling of tightness and swelling when the fingers are bent, and keeps the hand in a natural state. The fit of the product is unmatched by conventional products.
- Side part of the finger to the movement of the joint, Wave-shaped cutting.

■Advantages of the "bio" wave cut

By reducing wrinkles, flabbiness and tightness, By improving the fit of the...

- 1. smooth movement and ease of activity
- 2. less likely to tire
- 3. economical and less prone to tearing and thread breakage.





Roll up

When stitching the little finger side of the palm, conventionally, all manufacturers simply sew along the side.

[bio] glove is stitched from the base of the little finger to the wrist, moving the stitching position towards the back of the hand.

This stitching is <Roll-up>. This reduces the risk of pain when the stitching touches the side of the little finger, which is often hit by objects when working, and also reduces thread breakages, making the glove safe to use for a longer period of time.







In rescue operations, a variety of adverse conditions need to be assumed. Personal equipment, especially gloves, is important and rapidly becomes worn, and if the wrong equipment is selected, it will immediately cause an injury or break and need to be replaced as soon as possible. Originally, cowhide gloves have hard fibers when they get wet, and they lose their original texture, and the fibers may shrink and become untouchable. We have created cowhide gloves that are strss-free against getting wet, and magic gloves that become softer and fit better as you use them. Developed as a rope rescue and descent glove that can lead to serious injuries if you make a make a mistake.

The aramid knit inside the leather makes it resistant to frictional heat and is suitable for induction ropes and leveling descent.

SAR-531-CBS Rescue personnel Descending gloves



■Size./

XS 7.0 inch (h)200mm×(w)175~185mm

7.7 inch (h)210mm×(w)190~200mm

M 8.5 inch

(h)220mm×(w)210~220mm 9.0 inch

(h)230mm×(w)225~235mm XL9.6 inch

(h)240mm×(w)240~250mm XXL 10.2 inch

(h)250mm×(w)255~265mm ■Material /

Body: Silicon-tanned cowhide 0.70~0.80mm

Wrist: moisture-absorbing quick-drying pile rubber 35 mm wide.

Heat- and cut-resistant material: aramid knit.

■Features

Easy to bend V-cut

Silicon-tanned leather with cowhide & reinforced cowhide +. Aramid knit inside





Two-part reinforced cow skin leather for easy bending



Keeps the original texture even if it gets wet

3-layer structure resistant to frictional heat

Design stuck to the functional

Thin but excellent durable

pecial processing lew arrival

Cowhide gets even more powerful!



「SAR-531-CBS」 Rescuers' descent gloves are made of silicon-tanned cowhide leather, which, when wet, returns to its original texture and softness after being squeezed hard and dried in the shade.

General cowhide gloves are characterised by the fibres becoming stiff and hard when wet, with a stiff and stodgy feel and loss of texture.

Magic band with air force specifications. Roll up

Designed to follow the shape of a wristwatch.

[bio]wavy cut < patented process > Smooth finger bending and extension. Less discomfort in the joints.

Inner aramid knit.

Attention to detail. Wrist elastic with sweat-absorbent, quick-drying material specification.



Leather gloves are manufactured to shrink vertically (length) and stretch slightly horizontally (width)during use. When purchasing, we recommend choosing a glove that is slightly longer

RESCUE GLOVE

PU leather assist gloves for rescue wokers





Demonstrates its power during rescue activities at natural disasters and rescue sites. The body is made of durable PU leather with a diamond pattern, and non-slip construction fo improved work efficiency.

Fluorescent yellow is used on the back of the hand, making it ideal for signaling and guidance from a distance.







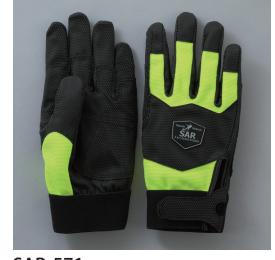
■feature [bio]web cut < Patented manufacturing method > Less discomfort at joints.

Smooth bending and stretching of fingers.

Double construction of fluorescent yellow knit and PU leather protects knuckles. Fluorescent knit with excellent visibility.



Wristband with hole for carabiner is specially shaped and does not get in the way when flexing



SAR-571 Rescuer's Glove

■color/black+fluorescent yellow

■size/

M 8.5 inch (h)224mm×(w)210~220mm

9.0 inch (h)230mm×(w)225~235mm

XL 9.6 inch (h)236mm×(w)240~250mm

XXL 10.1 inch (h)242mm \times (w)255 \sim 265mm

■materials /

body: palm Smartphone compatible PU leather back Fluorescent yellow color knit +

PU leather

wristband:38mm



Reinforcing patches on the first joints of the palm and fingers protect the seams, the weak point of the gun cut.



Leather gloves are manufactured to shrink vertically(length)and stretch somewhat horizontally(width)during use.When purchasing, we recommend that are slightly longer and narrower(feel thinner).

There may be slight differences between the sizes shown in the catalog and the actual praduct dimensions and coloration of the product.



Immediate response even in emergency situations. Smartphone operation can be performed while wearing gloves.

RESCUE GLOVE

「Aramid」 rescue gloves





「Toray•DuPont™Kevlar® DuPont[™]NOMEX[®]」

High-performance fiber Keppra specification

Ultra lightweight! Eliminate as many parts as possible, keep it simple! The result is stress-free and light movement!

High-performance fibres and kevlar
Nomex double knit.



SAR-632-NS

Alami dress cue glove (short type)

- ■Colour / Navy + yellow + black (NS)
- ■Material /

Instep side: Kevlar + Nomex double knit. Palm side: Kevlar + cotton double knit. Reinforced microfibre + silicon dots V-cut design at the joints reduces stress when wearing the gloves. The combination of microfibre and silicone is outstanding and the grip is unbeatable! The safety required for a rescue glove is still there!

SAR-632-NS & SAR-632-GS Aramid Rescue Glove (short type) Common

S 8.0 inch (h)218mm×(w)195~205mm M 8.5 inch (h)224mm×(w)210~220mm L 9.0 inch (h)230mm×(w)225~235mm LL 9.5 inch (h)236mm×(w)240~250mm XL 10 inch (h)242mm×(w)255~265mm



High-performance fibres Kevlar and Kevlar double knit.



SAR-632-GS

Alami dress cue glove (short type)

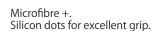
- ■Colour / Moss green + yellow + black (GS).
- ■Material /

Instep side: Kevlar + Kevlar double knit = higher

cut strength.

Palm side: Kevlar + cotton double knit. Reinforced microfibre + silicon dots

The hole for the carabiner is placed in the wristband section so that it does not get in the way. Reduces the risk of snagging on protrusions in the field, It also reduces the risk of losing it when it is removed, and is convenient for storage and washing.





V-cut cut-outs at joints for smooth finger movement.



TAramid_rescue glove RESCUE GLOVE

「TORAY • DuPont™Kevlar® DuPont[™]NOMEX[®]」 「TEIJIN/twaron®」

High-performance fibre aramid fibre specification

Kevlar, Nomex & Twaron, high-performance aramid fibres with excellent cut and abrasion resistance.

Guarded with naturally reinforced leather from the palm side to the fingertips, where contact with hazardous materials is likely.

Supports faster work from hard sites.

Tailored to the joints Cutting for ease of movement, And well guarded.

Reinforced leather design with an integrated structure from thumb to index finger with minimal discomfort.

> 2011 Guideline compatible product

h-performano Iramid fibres) and Nom terial)

Cut design for easy inward wrist bending. Easy-to-wear Velcro palm-side fastening.

Large guarding of fingernail area.

[bio] wavy cut < patented process > Smooth finger bending and extension. Less discomfort at joints. Improved fit.

knuckle guard

Clock and instruments securely mounted on the inside Gloves and instruments are integrated.

Material

bio-615

Aramid disaster field gloves (long type)

■Colour / Navy + Brown (NB)

■Size. / XS 7.0 inch (h)235mm×(w)175~185mm 7.7 inch (h)245mm×(w)190~200mm 8.5 inch (h)255mm×(w)210~220mm 9.0 inch (h)265mm×(w)225~235mm XL 9.6 inch (h)275mm×(w)240~250mm

XXL 10.2 inch (h)285mm×(w)255~265mm

Palm and instep side: para-aramid fibres + para-aramid fibres W-knit (navy) reinforced leather: cowhide 0.7~0.8mm (brown) +

Knuckle guard (aramid felt)

) and terial)



At the finger joints. With V-shaped cut-outs. Smooth movement.

The leather on the palm side is, Suitable for rope manipulation.Separated manufacturing method at the bends. Easy to grip with little discomfort.

Near the wrist on the palm side, shock-absorbing urethane pad protector.



[bio] wavy cut <patented process>

terial)



bio-631

Aramid rescue gloves (short type)

- ■Colour / Orange + yellow (OY), moss green + black.(GB)
- ■Size./ S 7.7 inch (h)224mm×(w)195~205mm

M 8.5 inch (h)230mm×(w)210~220mm L 9.0 inch (h)236mm×(w)225~235mm

XL 9.6 inch (h)242mm×(w)240~250mm

■Material /

Palm side: para-aramid fibres + para-aramid fibres W-knit (yellow or moss green)+. Protector (polyurethane) + reinforced cowhide 0.7-0.8 mm (yellow or black) Instep side: para-aramid fibre + para-aramid fibre W-knit (orange or moss green), Back cotton bonding + reinforced cowhide 0.7-0.8 mm (yellow or black) Wrist: pile elastic (orange or black)



Leather gloves are manufactured to shrink vertically (length) and stretch slightly horizontally (width) during use. When purchasing, we recommend choosing a glove that is slightly longer and narrower (feels





[bio] wavy cut < patented process >

At the joints on the instep side, which are prone to contact with hazardous materials, With impact-resistant urethane padding.

Aramid disaster field gloves (long type)

- ■Colour / Orange + yellow (OY), black + black (BB).
- Size. / M 8.5 inch (h)240mm×(w)210~220mm
 - L 9.0 inch (h)255mm×(w)225~235mm

XL 9.6 inch (h)270mm×(w)240~250mm

■Material / Palm side: para-aramid fibre knit (yellow or black), lining cotton bonding+. Reinforced deer back leather 0.7-0.8 mm (yellow or black) Instep side: para-aramid fibre knit (orange or black), lining cotton bonding+.

Reinforced deer back leather 0.7-0.8 mm (yellow or black) + knuckle guard (polyurethane)

Long type with double wristband design. Resistant to shifting. Safe, as hazardous materials are unlikely to enter the gloves.

Ultra-high performance para-aramid fibres 「twaron®」

The Power of Aramid

■Enhanced safety with excellent fibre properties.

Hazardous materials such as glass and metal are always present at the scene of accidents and disasters. Firefighting activities also involve constant contact with fire and heat. The ultra-high performance para-aramid fibre $\lceil \text{twaron}^{\textcircled{B}} \rfloor$ is Protects the hand from these situations. The base material is double-knit from para-aramid fibre 20 count yarn, with a higher density para-aramid fibre weight of 280 g - 290 g to achieve higher heat resistance and cut resistance.

The gloves are constructed from three layers of para-aramid fibre [twaron[®]] + 100% cotton backing fabric + natural leather for hard work.

■Demonstrates power through ideas, thorough design and manufacturing methods

The bio-wave cut, which facilitates finger movement, and the reinforced leather that wraps around to the base of the thumb, have been designed with the user's workability in mind, on top of the substantial materials of para-aramid fibres and natural leather, to enhance safety and ease of movement.

Twaron, a strong, functional para-aramid fibre +. Natural reinforced leather.

Our unique patented manufacturing process ensures smooth movement.

Outstanding use.

■Para-aramid gloves (military gloves), cut and abrasion resistant

cut resistance

sample	Cutting strength (times)
100% Twaron para-aramid.	14
100% cotton	3
100% nylon	3

- Cutting with a safety razor blade requires four times more force than cotton.
- •7G military gloves are used for the sample. *How to apply universal type abrasion testers
- (Measured at the Japan Spinners' Inspection Association).

abrasion resistance

sample	burst strength (kg/cm²)	Abrasion strength (count)
Twaron para aramid	6.2	Over 5,000
Acrylic/cotton blend	6.6	161
100% AC	5.6	216
100% cotton	-	161

Abrasion strength: JIS L1018 Uniform method.

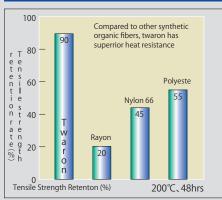
 Approximately 20 times more abrasion-resistant than cotton and acrylic products, It is economical as it can withstand prolonged use. (Measured at the Japan Spinners' Inspection Association.)

Thermal properties of para-aramid fibres (Twaron).

physical properties	Numerical values (units)	
combustibility	29 (LO1% (oxygen index))	
decomposition temperature	500 (℃)	
Heat resistance (200°C, 48 hours)	90 (%)	
specific heat	1420 (J/kgK)	
thermal conductivity	0.05 (W/mk)	
Heat shrinkage (190°C, 15 min warm air)	0 (%)	

- ●It does not burn easily, does not melt and starts carbonising at 427°C-488°C. Even at temperatures of 400°C, very little CO, CO2 or HCN is produced.
- ●Heat resistant up to 600°C for short periods of time, even in

■ Heat resistance of para-aramid fibres (Twaron).



●Twaron exhibits superior heat resistance compared to

Dedicated hoist operator gloves

During helicopter hovering of hoist operator operations, Responds to the different characteristics of the helicopter's structure The best item in the <bio-Alpha> series.

OPERATOR



Cables flowing outside during hoist operator operation The type that you can firmly pull with your palm and fingers.

bio-916-Alpha [Full Finger Type]

Dedicated hoist operator gloves (Full Finger)

■Colour / Yellow + black

■size / M 9.4 inch (h)220mm×(w)240mm L 9.8 inch (h)235mm×(w)250mm XL 10.4 inch (h)250mm×(w)265mm

■Material / Body: microfibre 0.8 mm (black)+.

Two-wenit (grey)+

Extra-thick specially tanned cow leather 2.3-2.5 mm (yellow)+.

Filling material: Para-aramid knit +

Wrist: pile rubber (black)



helicopter types/ clockwise clockwise clockwise AS365N3 During helicopter hovering Due to the characteristics of the tilt The hoist cable flows outwards. (Refer to the inclination diagram on the right.)







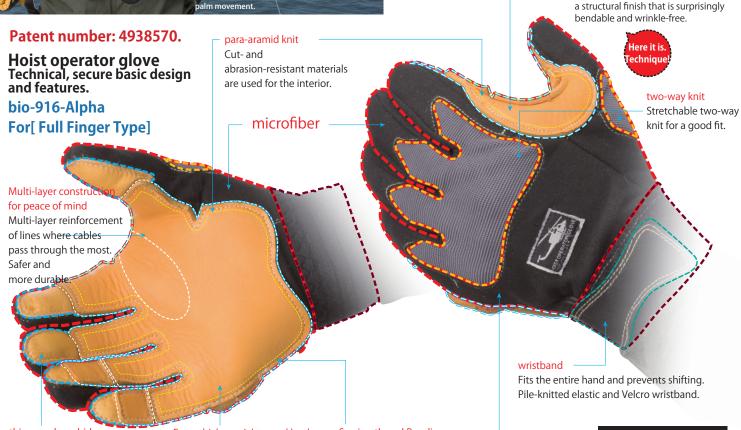
Supports hoist crews, keeping them safe from hazardous operations. Significantly reduces frictional heat burns and increases durability.
Patented hoist operator-specific gloves.

Disaster scenes are a race against time. Supporting hoist team safety from one-second hazards. The best materials, including microfibre two-way knit and extra-thick specially tanned leather, provide a large, three-dimensional guard for the palm.

More power with a new concept [S-fit] structure tailored to your needs...

- 1: High-strength glove developed exclusively for helicopter hoists.
- 2: Remarkably durable, long-lasting and economical.
- 3: Less adhesion of leather scraps due to abrasion, reducing the burden on the cable.
- 4: Powerful only in adverse conditions, for violently rampant cables.
- 5 : Constantly evolving with new designs to ensure the personal safety of the user.
- 6: Military, disaster sites, rescue teams, security and other related matters.

Super thick and strong glove with



thin-cased cowhide

Fingertips are 0.7-0.8 mm cowhide specification. Designed to facilitate smooth operation of tasks other than cable operation.

Extra-thick special tanned leather Almost the entire palm is guarded.

Protects hands from hazards when retracting wires.

Sewing thread Bonding process

Adhesive treatment of sewn parts to prevent fraying for increased durability.

***Ordering notes**

*Choose between right- or left-hand type of hand used.

*The size indications for this product are intended to be worn over leather gloves, so please select the same size as leather gloves. In addition, if the product is worn over para-aramid gloves, please select one size larger.

Slight differences may occur between the sizes shown in the catalogue and the actual dimensions of the products and the colours of the products.

■How to read glove sizes

microfibre

The main body is made of microfibre, the quality of which does not change easily when wet with rain or water drops.

Field Implementation Testing evation training / after about 130 uses



Hoist operator dedicated gloves **OPERATOR GLOVE**





bio-915-Alpha [Open Finger Type]

Over glove for hoist operators only. (half-finger five-toed)

■Colour / Yellow + black

■size/ M 9.4 inch (h)220mm×(w)240mm 9.8 inch (h)235mm \times (w)250mm XL 10.4 inch (h)250mm×(w)265mm XXL 11.0 inch (h)265mm×(w)280mm

■Material /

Body: microfibre 0.8 mm (black)+

Two-wenit (grey)+

Extra-thick specially tanned cow leather 2.3-2.5 mm (yellow)+ Cut and abrasion resistant material inside. Filling material: Para-aramid knit

Extra-thick, specially tanned cowhide leather

Ultra-thick natural leather that protects your palms from danger when wires are pulled in. microfibre

The main body is Even if unit gets wet from rain or water drops, Material

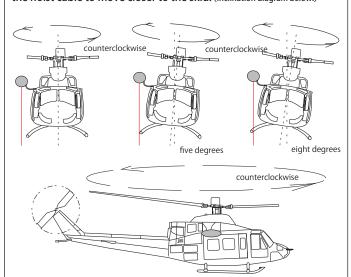
specifications that do not easily change quality. para-aramid fibre

Excellent cut and abrasion resistance.



helicopter types / Bell 412EP

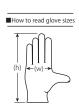
The tilt characteristics of the helicopter hovering will cause the hoist cable to move closer to the skid. (Inclination diagram below.)



***Ordering notes**

«Choose between right- or left-hand type of hand used.

**The size indications for this product are intended to be worn over leather gloves, so please select the same size as leather gloves. In addition, if the product is worn over para-aramid gloves, please select one size larger.







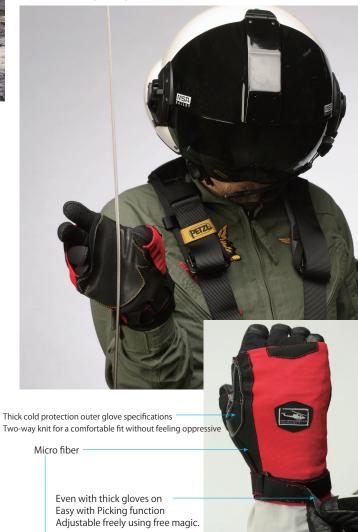
Winter cold region specifications
Compatible with thick gloves



Developed for unprecedented cold regions and winter, Rescue requests also occur in cold climates.

The Hoist Glove mittens type open finger type that can be worn over gloves suitable for the climate (made of neoprene, for skiing, etc.) can be operated even if worn over thick gloves.

The wristband has a picking function and can be attached and detached even if you are wearing thick gloves.



Cable when operating the hoist operator

Overglove that supports both "pull" and "push" with the palm.



bio-812

Hoist operator dedicated gloves Cold region specifications Over Glove (mittens type)

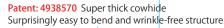
- ■color/Black + Red
- ■size / L 10 inch ~11 inch (h)200mm×(w)260mm~280mm XL 11 inch ~12 inch (h)210mm×(w)280mm~300mm

*This glove is elastic.

■Material / Body (palm side): Micro fiber (black)

Body (back side): Two-way knit (red)

Cable contact surface: Ultra-thick special tanned cowhide 2.3-2.5 mm (black) Wristband: Free magic wristband (hook / loop integrated type) specifications With picking function







Super thick tanned cowhide2.3~2.5mm



High-strength Kevlar sewing thread and anti-fray processing

Thick cold weather gloves for outdoor use on the market Combination usage example



(Left) Diving gloves

(Right) Ski gloves

HOIST Hoist operator dedicated gloves OPERATOR GLOVE HOIST OPERATOR BLOVE Products by A&T

Economical, dedicated hoist operator's glove with greatly increased durability. An early model with attention to detail using our unique patented manufacturing process.







Three-finger hoist operator-specific overglove with palm to push hoist cable out.



bio-913S

Hoist operator dedicated gloves (Short type 3 fingers)

- ■Colour / Black + grey + yellow
- ■Size/M 9.2 inch (h)140mm×(w)235mm
 - L 9.8 inch (h)145mm×(w)250mm
 - XL 10.4 inch (h)150mm×(w)265mm
 - XXL 11.0 inch (h)155mm×(w)280mm
- **■■**Material /
- Body: microfibre 0.8 mm (black)+
- Two-wenit (grey)+
- Extra-thick specially tanned cow leather 2.3-2.5 mm (yellow)+ Filling material: Para-aramid knit



bio-913L

Hoist operator dedicated gloves (Long type 3 fingers)

- ■Colour / Black + grey + yellow
- ■Size / M 9.2 inch (h)140mm×(w)235mm
 - L 9.8 inch (h)145mm×(w)250mm
 - XL 10.4 inch (h)150mm×(w)265mm
 - XXL 11.0 inch (h)155mm×(w)280mm

■Material /

Body: microfibre 0.8 mm (black)+

Two-wenit (grey)+

Extra-thick specially tanned cow leather 2.3-2.5 mm (yellow)+ Filling material: Para-aramid knit

Five-finger hoist operator-specific overglove with palm to push hoist cable out.



bio-914S

Hoist operator dedicated gloves (Short type 5 fingers)

- \blacksquare Colour \nearrow Black + grey + yellow
- ■Size / M 9.2 inch (h)140mm×(w)235mm
 - L 9.8 inch (h)145mm×(w)250mm
 - XL 10.4 inch (h)150mm×(w)265mm
- XXL 11.0 inch (h)155mm×(w)280mm

■Material/

Body: microfibre 0.8 mm (black)+

Two-wenit (grey)+

Extra-thick specially tanned cow leather 2.3-2.5 mm (yellow)+ Filling material: Para-aramid knit



bio-914L

Hoist operator dedicated gloves (Long type 5 fingers)

- ■Colour / Black + grey + yellow
- ■Size / M 9.2 inch (h)140mm×(w)235mm
 - L 9.8 inch (h)145mm×(w)250mm
 - XL 10.4 inch (h)150mm \times (w)265mm
 - XXL 11.0 inch (h)155mm×(w)280mm

■Material /

Body: microfibre 0.8 mm (black)+

Two-wenit (grey)+

Extra-thick specially tanned cow leather 2.3-2.5 mm (yellow)+ Filling material: Para-aramid knit







9000/9001 PETZL AVAO Harnesses Protector for waist

- ■Colour / Yellow, black
- ■Size / 248mm×99mm
- ■Material / cowhide2.3mm~2.5mm



5900/5901 PETZL AVAO Harnesses Protector for legs

- ■Colour / Yellow, black
- ■Size / 210mm×72mm
- ■Material / cowhide2.3mm~2.5mm



8900/8901 PETZL NAVAHO Harnesses Protector for waist

- ■Colour / Yellow, black
- ■Size / 214mm×104mm
- ■Material / cowhide2.3mm~2.5mm



「PETZL harness protectors & accessories

Harnesses are an important piece of equipment that protects the lives of personnel. These protectors prevent deterioration due to friction and other factors, and are designed to be safer and more secure.



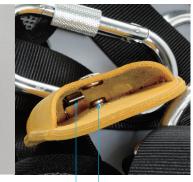
7900/7901 PETZL NAVAHO Harnesses Protector for waist

- ■Colour / Yellow, black
- ■Size / 172mm×95mm
- ■Material / cowhide2.3mm~2.5mm



Carabiner 123 for Super 12 carabiner holder

- ■Colour / Yellow
- ■Size/143mm×85mm×23mm
- ■Material / cowhide2.3mm~2.5mm



Carabiner Holder Features Metal hooks & inner hooks to prevent falling out



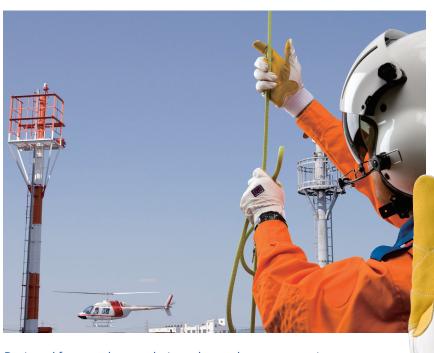
Helicopter Hoisting Weight Bag Rescue anchor (made by PIAR, USA)

- ■Colour / Blue + fluorescent yellow.
- ■Size/
 - 5 lb(≒2.268kg)
 - 300mm×95mm
 - 10 lb(≒4.536kg)
 - 330mm×115mm
- ■Material / Nylon lead beads

*Ordering notes

- *Choose between right- or left-hand type of hand used.
- *The size indications for this product are intended to be worn over leather gloves, so please select the same size as leather gloves. In addition, if the product is worn over para-aramid gloves, please select one size larger.





Designed for rope descent during advanced rescue operations. They are also ideal for disaster and rescue sites as inner gloves for dedicated hoist operator gloves.

Assist gloves for rescue personnel.

RESCUE GLOVE

■

Features

The Velcro band is designed to follow the shape of the wristwatch and is air force-specific.

Easy-to-bend V-cut

Chrome-free cowhide 0.6-0.7 mm



Easy-to-bend reinforced cowhide divided into 2 parts

Chrome-reinforced cowhide 0.7-0.8 mm Wrist elastic with sweat-absorbent, quick-drying material specification with attention to detail

roll up

[bio]wavy cut < patented process> Smooth finger bending and extension Improved fit with less discomfort at the joints



How to read glove sizes Leather gloves are manufactured to shrink vertically (length) and stretch slightly horizontally (width)during use. When purchasing, we recommend choosing a glove that is slightly longer and narrower

Slight differences may occur between the sizes shown in the catalogue and the actual dimensions of the products and the colours of the products.

A fusion item of two types of soft natural leather and idea design

descent gloves

Two types of natural leather and unique cutting

■Body:

Non-chrome cowhide 0.6-0.7 mm

bio-531-CWY Rescuers' descent

■Colour / White + yellow

■Size / M 8.5 inch (h)224mm×(w)210~220mm L 9.0 inch (h)230mm×(w)225~235mm LL 9.6 inch (h)236mm×(w)240~250mm ■Material / Body: Chrome-free cowhide (white) 0.6-0.7mm+

Wrist: moisture-absorbing

Reinforced cowhide (yellow) 0.7-0.8mm+

quick-drying pile rubber (white)

gloves

Water-repellent specification.

Soft, stretchable and excellent fit.

■ Reinforced leather:

Chrome cowhide 0.7-0.8 mm **Excellent friction and**

abrasion resistance.

Increased durability and safety. Excellent feel!

<bio531-CWY>Can be used as an inner glove.

Simple auxiliary glove for securing a rope for guidance during rescue operations.

bio Air Rescue R-2

Protector for induction ropes (Slip-on over type)

- ■Colour / White + yellow
- Size /

F (h)110mm×(w)230~270mm

■Material /

Surface of the body: Cowhide 1.3-1.5 mm (yellow) Reverse side of the unit:

Split leather 1.2-1.4mm (gray) Instep side: pile rubber (orange)

*Choose between right- or left-hand type of hand used.



The ultimate fit of a master craftsman Sheet and the material inside out. Sheet and the material inside out. The sheet and th



Gloves for firefighting technical competitions

Natural leather 「sheepskin」 gloves

Stretchable and excellent fit

In order to get 100% of sheepskin's inherent performance, it is important to design with an understanding of the material's characteristics.

The bio wave cut is designed to reduce the number of sewing points as much as possible and to bring out 100% of the elasticity of the material.

No seams on the palm side of the finger part, cut in a wavy shape at the finger joints.

The sewing of the palm and base of the fingers is also made using a patented process that is not interrupted by sewing threads,

bringing out 100% of the sheepskin's original performance.

Moist texture for improved grip.

Ultra-fine fibre structured sheepskin

Thumb grips, 「don cut」 with no seam contact

bio wave cut for better fit

[bio]wavy cut < patented process > Smooth finger bending and extension. Feeling of use with little discomfort in joints



Reinforced leather on the palm side that wraps around to the instep side.

[bio]wavy cut Ultra-thin leather specification for a

fit that reveals the unevenness of the nails.



Small wristband with hole for carabiner

bio-541

For fire fighting technology competitions



sheepskin glove (With reinforced leather)

- ■Colour / White
- ■Size /
 - S 7.7 inch (h)210mm×(w)195~205mm
- M 8.5 inch (h)220mm×(w)210~220mm
- L 9.0 inch (h)230mm×(w)225~235mm
- XL 9.6 inch (h)240mm×(w)240~250mm
- ■Material /

Body: Sheepskin 0.45~0.55mm Wrist: pile elastic 40 mm wide

% Small wristband with hole for carabiner

bio-540

For fire fighting technology competitions

sheepskin glove

- ■Colour / White
- ■Size/
 - S 7.7 inch (h)210mm×(w)195~205mm
- M 8.5 inch (h)220mm×(w)210~220mm
- L 9.0 inch (h)230mm×(w)225~235mm
- XL 9.6 inch (h)240mm×(w)240~250mm
- ■Material /

Body: Sheepskin 0.45~0.55mm Wrist: pile elastic 40 mm wide

***Small wristband with hole for carabiner**





Teijin Nanofront significantly improves grip.
Fit and outstanding durability as good as chamois leather,
These new items are high-function gloves that are
slip-resistant even when wet.



The fit is ideal for operating helicopter instruments and is less tiring even after long periods of use. Furthermore, the thumb is sewn on the outside with a slit design for ease of movement and ventilation.



bio-560

Gloves specially designed for helicopter pilots.
(Neoprene type with slit)

- ■Colour / Ice white + white
- ■size / M 9.4 inch (h)175mm×(w)240mm
 - L 9.8 inch (h)187mm \times (w)250mm
 - LL 10.4 lnch (h)200mm×(w)265mm

■Material /

Body: Nano front + PU (Ice white) Finger instep side: PU leather with slit. Wrist: neoprene

*Flat side: ventilation holes

Small wristband with carabiner attachment hole



Teijin Nano Front Specification Glove Features

The nano-sized irregularities on the surface of the ultra-fine polyester fibers make it difficult to slip and create a strong grip.

Moreover, they are non-slip when wet and washable.

Excellent breathability and resistance to swelling.

The unique cutting provides an excellent fit and beautifully expresses the norm (salute).

Special features to aid helicopter operation.



Wristwatches and other instruments mounted inside neoprene



Wristwatches and other instruments mounted on the upper side of the neoprene



Thumbs, which are prone to damage, are stitched externally in a two-layer construction



Leather gloves are manufactured to shrink vertically (length) and stretch slightly horizontally (width) during use. When purchasing, we recommend choosing a glove that is slightly longer and narrower (feels thinged)





TEIJIN_® NANOFRONT®

Rescuers' and firefighters' competition gloves For rescue technique competition practice

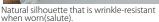
For pump manipulation competitions gloves Teijin Nanofront, a material with excellent features such as grip, fit, durability and resistance to slipping even when wet.

It provides the best performance during practice and competitions, such as rope action and pump operation in

technical competitions.









ventilation hole



Thumb don cut



Small band with hole for

bio-550

Teijin Nanofront + PU competition gloves

- ■Colour / White + Ice white
- ■Size /
 - M 8.5 inch (h)225mm×(w)210~220mm
 - L 9.0 inch (h)233mm×(w)225~235mm
- XL 9.6 inch (h)241mm×(w)240~250mm

■Material /

Body palm side: Nanofront (polyester) Body instep side: PU (2-way knit) Wrist: sweat-absorbing, quick-drying diamond-patterned small wristband (with hole for carabiner).

%Finger gussets: ventilation holes

Natural leather gloves for competition and training

Natural texture and soft feel that cannot be experienced with artificial leather.

Absolute feel because it is natural leather. Natural leather gloves become infinitely more comfortable in the hand as they are used.

These white-based cowhide gloves have the unique texture of natural leather and look brilliant during training and competition.

bio-505

Cowhide gloves with reinforced leather for competition and training

- ■Colour / White
- ■Size/

S 7.8 inch (h)230mm×(w)195~205mm M 8.5 inch (h)236mm×(w)210~220mm

L 9.1 inch (h)242mm×(w)225~235mm

XL 10.0 inch (h)248mm×(w)240~250mm

■materials/

Body: cowhide (0.6~0.7mm) Wrist: pile elastic

Reinforcing leather specification at the base of the thumb on the palm.







The joints at the base of the fingers are cut in an S shape and the seams are slightly displaced from the joints. This reduces discomfort such as discomfort and stiffness as the stitches do not touch the joints when bending and stretching the fingers. The product is also less bulky, providing a smooth feel and an appropriate fit.



bio-501

Cowhide competition and training gloves

- ■Colour / White
- ■Size /

roll up

7.8 inch (h)230mm×(w)195~205mm M 8.5 inch (h)236mm×(w)210~220mm 9.1 inch (h)242mm×(w)225~235mm XL 10.0 inch (h)248mm×(w)240~250mm

 \blacksquare materials / Body : cowhide (0.6~0.7mm) Wrist: pile elastic

17



Fire brigade pump operation Competition canvas gaiters

613
Athletes.
gaiters for
pump manoeuvring
(Magic band

Shoe type)

- ■Colour / White and black
- ■Size / L.LL (See below)
- ■Material /

Body: cotton canvas+. Cowhide leather band + metal tailstock Ultra lightweight! Without bottom band! Developed specifically for pump manoeuvring competitions.

Faster! More beautiful! Supports movement and silhouette.

Fire brigade competition goods in support of hot teams aiming for

the national championships.



603 Athletes. gaiters for pump manoeuvring (Strap shoes type)

- ■Colour / White and black
- ■Size / L.LL (See below)
- ■Material /

Body: cotton canvas+. Cowhide leather band + metal tailstock

613 Athlete gaiters



■ Magic-band shoes, leather loops
A leather loop is sewn onto the inside of the main body, which can be slipped through the shoe's Velcro band to prevent shifting.



Supports smooth ankle movement and is ideal for preventing hot-weather dampness.

■Anti-Slip Tape

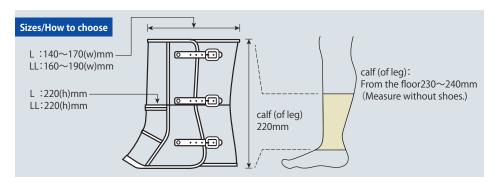
Anti-shifting tape on the inside. Reduces trouser slippage and prevents dishevelled clothing, which is a factor in the scoring of norms.



■General lacing shoes, hooked tip stop A metal hook is attached to the inside of the main body, so it can be hooked onto shoelaces to prevent shifting.



Leather gloves are manufactured to shrink vertically (length) and stretch slightly horizontally (width) during use. When purchasing, we recommend choosing a glove that is slightly longer and narrower (feels thinner).







Formal Warm Gloves for Ceremonies and the Hospitality Business

<Nylon+PU film+Raised Polyester> Warm and clean Indispensable item for ceremonies the hospitality business.Innovative formal gloves with many protective functions against cold.





■ Box / 12 pairs ■ Plastic bag / 1 pair



- Has a hook that fits your

Size

Size	L(mm)	W(mm)	Case size(mm)
SS	198	190~195	
S	206	200~205	
М	220	220~225	260×210×100
L	229	230~235	
LL	238	240~245	

NWP-901 Warm gloves for ceremonial,

■Colour / White

- ■Size / SS、S、M、L、LL (See table on the right)
- ■Material / Body: nylon + PU film + Inside: brushed polyester

hospitality and formal wear

Anti-slip finish, difficult to achieve with nylon materials, made possible by our own technology to fix in place.





■ Boxed / 10 pairs

■Bagged / 1 twin pack

three-tiered structure backup measure

Polyester Raised. warm

With backs to fit the wrist.

W(mm)

200~205

220~225

230~235

240~245

250~255

— With hooks to fit the wrist

Case size(mm)

260×305×80

FWG-9000 plus S

Warm gloves for ceremonial, hospitality and formal wear

- ■Colour / White
- ■Size / SS、S、M、L、LL (See table on the right)
- ■Material / Body: nylon + PU film + Inside: brushed polyester Non-slip palm : urethane resin, acrylic resin.

clean

■Size

S M

LL

L(mm)

231

245

254

263

Nylon outer material

The outer fabric is made of nylon, so there are no unpleasant cotton scraps on the formal wear!

3-layer Excellent construction

Excellent cold protection

Block out the cold with PU film!
Ensure warmth with brushed polyester!

Best for. Feeling of use

Three-layer integrated construction and this thinness

By making it a three-layer integrated structure, Achieves a thin and comfortable fit!

Features of NWP-901 & FWG-9000 plus S

★It supports freezing hands at events and festivals, and its behavior and appearance are perfect!★





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