

Head protection

(Industrial safety helmet & Bump cap)

Personal Fall-Arrest Systems

(Full-body harness & Safety belt)

TANIZAWA Industrial safety helmets

Tanizawa industrial safety helmets & bump caps are all made in Japan.

Strict quality controls are conducted at TANIZAWA's Ibaraki Factory, which supplies safety products not only to Japan but also to customers around the world.

Certification of ISO 9001: 2015 (Quality management system)






The head office of the Tanizawa Seisakusho, Ltd. and the Ibaraki Factory of the Joban Tanizawa Seisakusho, Ltd. (a manufacturing subsidiary) have obtained the quality management system "ISO 9001" certification.

Certification of ISO 14001: 2015 (Environmental management system)

The head office of the Tanizawa Seisakusho, Ltd. have obtained the environmental management system "ISO 14001" certification.

Safety Standard

All of TANIZAWA's industrial safety helmets have passed the national examination of the Japanese Ministry of Health, Labor and Welfare standards. In addition, many models have acquired the JIS T 8131:2015 certification. (JIS standard certification is optional) The Ministry of Health, Labor and Welfare Ministry of Japan and JIS T 8131: 2015 have the following categories.

Classes (symbols)	Classification by use	Function
	For protection against flying or dropping objects	Prevents or reduces the danger caused by flying or dropping objects.
	For protection in the events of tumbling and falling down	To be for protection in the events of tumbling and falling down.
	For protection against flying or dropping objects For protection in the events of tumbling and falling down	Prevents or reduces the danger caused by flying or dropping objects and for protection in the events of tumbling and falling down.
	For against flying or dropping objects For electrical insulation at high voltage (service voltage: 7,000V or under)	Prevents or reduces the danger caused by flying or dropping objects, and protects the head against electric shocks.
	For against flying or dropping objects For protection in the events of tumbling and falling down For electrical insulation at high voltage (service voltage: 7,000V or under / Without ST#121-CZ)	Prevents or reduces the danger caused by flying or dropping objects and for protection in the events of tumbling and falling down, and protects the head against electric shocks.

○ For protection against flying or dropping objects

This standard is a helmet standard commonly used around the world. Details of commonly used standards (such as ANSI, EN, JIS) are almost the same.

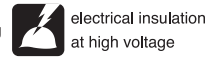
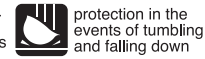
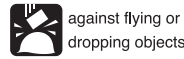
○ For protection in the events of tumbling and falling down

This standard is unique to Japan and corresponds to falls. By equipping a shock absorbing liner, the safety of the helmet was improved without the need to enlarge the shell.

○ For electrical insulation at high voltage

Voltage used is set by Japanese standards. This is different from the test voltage.
High voltage : Test voltage = 20,000 V / 1 min. Service voltage : 7,000V or under
Low voltage : Test voltage = 3,000 V / 1 min. Service voltage : 600V or under

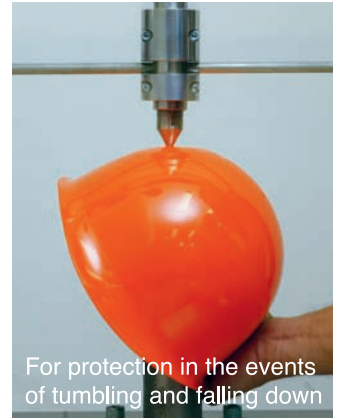
※ In this catalogue, the symbols shown in the table shows the protection range of each model.



Standard test Impact absorption test



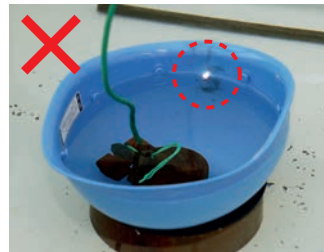
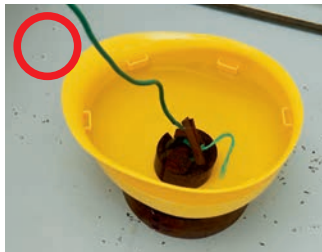
Penetration resistance test



Impact absorption performance of safety helmets are measured by free-falling a 5kg semi-spherical iron ball or iron disk from a height of 1m.

Resistance against pointed or sharp objects is measured by dropping a conical weight and checking the helmet for any deformations.

Withstand voltage test of shell



This is a test to measure resistance to electricity. Electrodes are placed inside and outside the shell in water, and the helmet has to withstand a voltage of 20,000V for high voltage models with working voltage of 7,000V or less, and 3,000V for low voltage models with working voltage of 600V or less, for a duration of 1 minute in order to pass the test. If the shell is damaged or cracked, leakage will occur, resulting in sparks forming.

Certification label

On the inside of the shell, there is a certification label that indicates the helmet has passed Japanese standards.

Most models only have the Ministry of Health, Labor and Welfare standards certification, while some models have JIS certification added to the label. They are all written in Japanese.

The Ministry of Health, Labour and Welfare standard certification

型式名称 / Model name	型式名称: 148-E3	帽体材質 / Shell Material = ABS
保護帽 / Safety helmet	保護帽	
Date of certification	労(2015.3)検	
Certification number	(1)TH3199 (3)TF758	
製造業者 / Manufacturer	製造業者 (株)谷沢製作所	Tanizawa Seisakusho, Ltd
製造年月 / Date of manufacture	製造年月 2023.7	July 2023
Certification items	(1) 飛来落下物用 (3) 電気用7,000V以下	(1) 飛来落下物用 / flying or dropping objects (3) 電気用 7,000V 以下 / To be of electrical insulation (7000V or under in service voltage)

JIS Logo	JIS 産業用安全帽	Industrial safety helmet
Certificate authority/ Japan Quality Assurance Organization (JQA)	飛来落下物用 電気用(最大電圧7000V) 耐電圧試験20000V 10mA以下	For protection against flying or dropping objects For electrical insulation at high voltage (Maximum voltage: 7,000V) To have passed withstanding voltage test (20000V and 10 mA or under)
certification number	JQA JQ0306024	Manufacturer / Joban Tanizawa Seisakusho, Ltd.
JIS standard number	JIS T 8131	Manufacturing date / July 2019

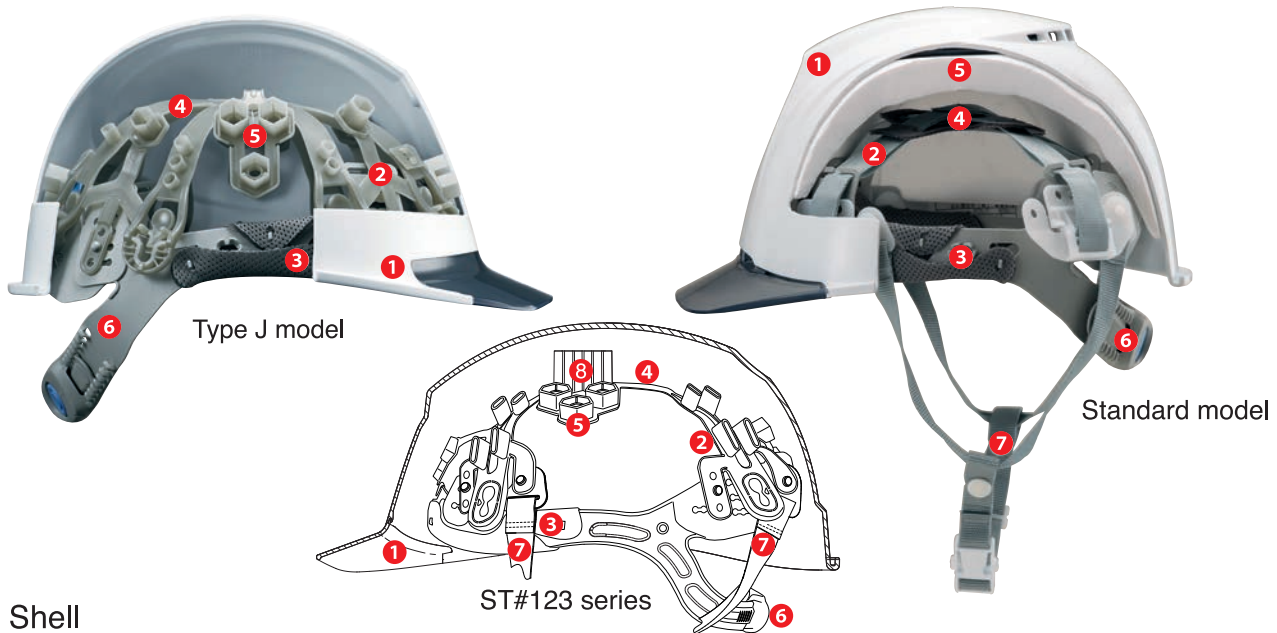
Japanese Industrial Standards(JIS) certification

着用時の注意: ヘッドバンドはあなたの頭に良くフィットするように調節してください。着用後あご紐は必ず正しく締めてください。
使用上の注意: 一度でも大きな衝撃を受けた安全帽は外観に損傷がなくても使用しないでください。部品の改造又は取外し禁止の注意: 安全帽に初めからついている部品を改造し又は取り除かないこと。

Cautions at the time of wear : After putting on the helmet, the chin strap needs to be properly fastened and adjusted.
Precautions for use : Please do not use safety helmets which have been exposed to strong impacts, even if there are no visible damage on the helmets. Caution regarding prohibition of modification or removal of parts: Please do not modify or remove parts that have been attached to the safety helmet from the beginning.

Usually, only the Ministry of Health, Labor and Welfare standard certification part. JIS standard labels are optional.

Component Parts



1 Shell

The hard, smoothly finished material that provides the general outer form of helmet. It protects the head from direct impact and penetration from flying or falling objects. Holes inside the FRP shell fix the fittings (suspension) in place.

2 Fittings (Suspension)

The fittings (suspension) are composed of a hammock, a headband, a chin strap etc. These fittings are the parts other than the shock absorbing liner, which are fitted to the inside of the shell in order to soften the impact acting on the head of the wearer. Type J suspension is a fittings with the function of Impact absorption liner. Type J suspension is an international patent product of TANIZAWA.

3 Headband

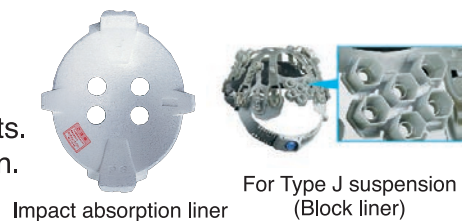
The headband is fixed to the fittings (suspension). It helps soften impacts and absorbs moisture. Ensures helmet is fitted to users head securely.

4 Hammock

The hammock is fixed to the shell in two ways: hook-type and tack-type. Made of impact absorbing material, it is able to reduce the force of impact on the user's head.

5 Impact absorption liner (Block liner)

Parts fitted to the inside of the shell. Block liner is attached to the Type J, J-S suspension. The liner reduces the forces of impact from flying or falling objects. In the Type J model, the suspension is responsible for its function.



For Type J suspension (Block liner)

6 Easy Push-release Adjuster (EPA)

EPA (Easy Push-release Adjuster) is a proprietary product of Tanizawa. The EPA enables the user to adjust the fit of the helmet with one push of a button while wearing the helmet.



EPA

7 Chin strap (4 point)

It secures the helmet to the user's head, and prevents it from falling off upon impact. It also ensures the helmet is fitted properly.

8 Support block (ST#123 series only)

A suspension developed to make the shell compact, a shock absorber that is different from the conventional method. Specializing in standards for flying and falling objects.

Shell materials

Tanizawa uses the following materials in our safety helmets, to get the maximum possible functionality and comfort.

Material	Property	Flame resistance Heat resistance	Weather resistance	Insulation	Resistance to organic solvents	Note
Thermosetting resin	FRP	○	○	×	○ ~ ◎	Excellent weather resistance and heat resistance but cannot be used to protect against electric shock
Thermoplastic resin	ABS resin	△ ~ ○	△ ~ ○	○ ~ ◎	× ~ △	Excellent protection against electric shock, but unsuitable for use in high heat environment
	PC resin	○ ~ ◎	○ ~ ◎	◎	× ~ △	Better weather resistance than ABS, but unsuitable for organic solvents and chemicals
	PE resin	× ~ △	○	○ ~ ◎	○ ~ ◎	Ideal for use in situations using organic chemicals

◎particularly excellent ○excellent △slight weakness ×weak *Electricity conducted through rivet holes

EPA Easy Push-release Adjuster

EPA allows you to adjust the fit of the helmet with one hand, while it is on your head.

- The headband and chinstrap prevent the helmet from slipping and falling off.
- A new, highly breathable material called 'Mawus™' provides excellent sweat absorption abilities.
- Large ventilation holes in the headband ensure the wearer long-lasting comfort in the workplace.

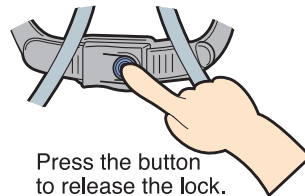


Easy Push-release Adjuster



Adjust the size by sliding the strap (3mm pitch) and lock in place.

Adjustable size
EPA III 53-62cm
EPA IV 53-63cm
EPA III-L 56-65cm



Press the button to release the lock.



Impact absorption liner

Impact absorption liner

Tanizawa's internal test (equivalent to rider's grade) has shown that the impact absorption liner can reduce the impact load of accidental falls by up to 1/3 compared to helmets without a liner.

The explanation of the "TANIZAWA" model number

S T # 0 1 2 3 0 V - E P Z

Indicates the shell has the same shape in a different material

Product Code Name (a three-digit number)

With ventilation hole (last one-digit = 0)

*2 Type of rivet
*1 Type of suspension
V : With transparent peak
L : Large sized shell

*1 Suspension : Please refer to page 21 of our catalog. It consists of Hammock, Liner and Tape.

*2 Material of Rivet : **P** stands for "Plastic"
M stands for "Metal"

*3 Liner : The parts for shock absorption. Please refer to page 22 of our catalog.

*3 Indicates a liner is incorporated



The suspension system that keep you cool, safe and comfortable.

1. Coolness

There are two Japanese safety standards for industrial safety helmets.

1) For protection against flying or dropping objects (Test impact point : only parietal area)

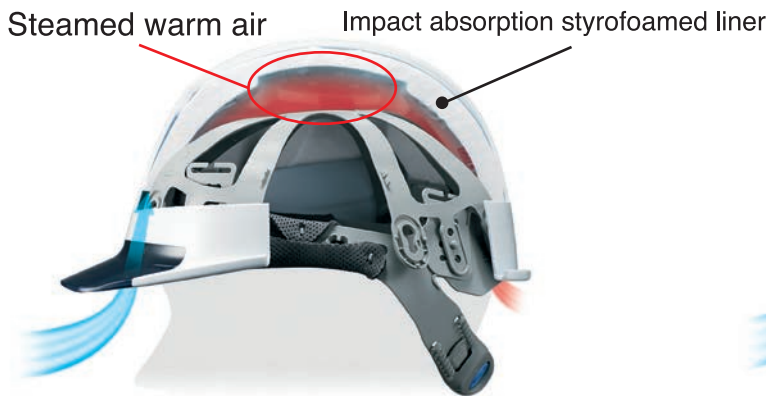
2) For protection in the events of tumbling and falling down

(Test impact point : For against flying or dropping objects + previous head, back of the head).

Helmets that are designed to protect the user from impact of falls are usually equipped with impact absorption styrofoamed liners to ensure better safety. However, some customers dislike it as it traps heat. The impact absorption styrofoamed liner disturbs the flow of internal air, trapping hot air in the helmet. Type J & J-S suspension solved this problem. As the Type J suspension passes the "protection in the events of tumbling and falling down" standard without the impact absorption styrofoamed liner, it enables helmets to have improved ventilation compared to conventional models.

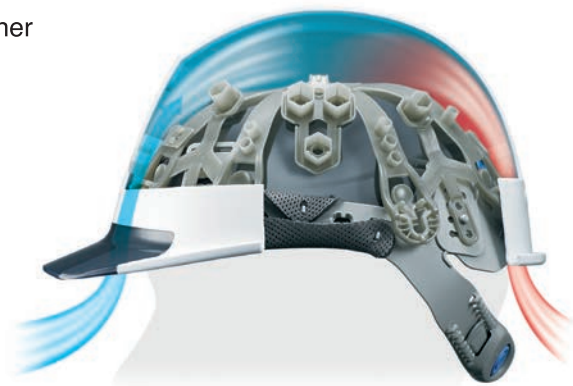
Conventional model

(For protection in the events of tumbling and falling down)



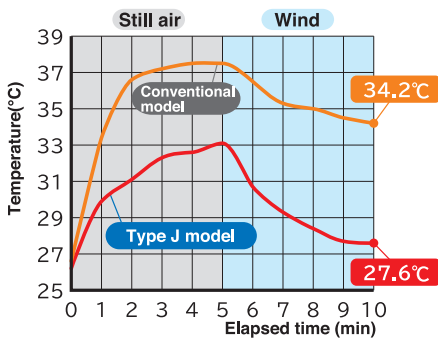
The impact absorption liner disturbs the flow of internal air, trapping hot air in the helmet.

Type J & J-S suspension model



As there are no impact absorption liners, internal air is allowed to flow and expel hot air.

Comparison of head temperature and the humidity.



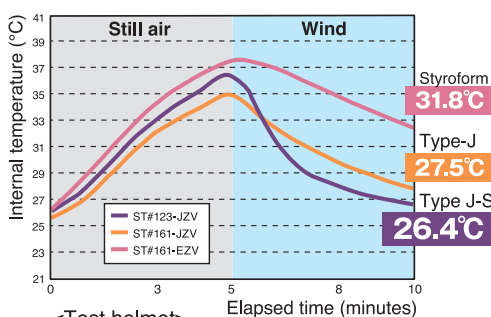
Helmets with internal thermometry were placed on thermal mannequin heads set to 37°C .

Mannequins are placed in still air for the first 5 minutes to compare temperature rise.

Mannequins are then exposed to wind with a velocity of 1m/s (equivalent to walking speed) for the next 5 minutes to compare ventilation performance.

Test condition : Room temperature 26°C, humidity 50% In the case of ST#161

Temperature comparison inside the shell due to ventilation



The temperature inside the shell of the two models equipped with Type J does not rise easily, and the temperature of ST#123-JZV equipped with Type J-S drops sharply after ventilation.

A helmet is worn on a thermal mannequin set at 37°C, and the temperature change inside the helmet over time is measured 1 cm above the top of the suspension.

There is no wind at the start, and after 5 minutes, a wind speed of 1 m/s is applied from the front of the helmet for 5 minutes.

<Test helmet>

ST#123-JZV (with Type J-S), ST#161-JZV (with Type J), ST#161-EZV (with shock absorbing styrofoamed liner)

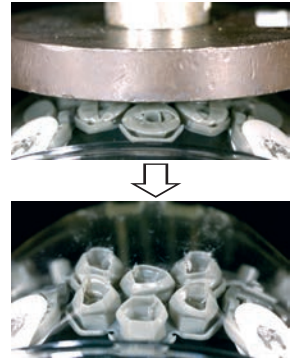
<Test conditions> Room temperature 26 °C, humidity 42 % * The effect varies depending on the shape of the shell body.

2.Safety

Conventional models without the impact absorption styrofoamed liner was only for helmets designed to protect the user from flying or falling objects.

The Type J & J-S suspension passes the "protection in the events of tumbling and falling down" standard without the impact absorption styrofoamed liner by using a new impact absorption system.

Type J suspension Impact absorption test (For protection at time of fall)



New impact absorption system "Block liner"



The pipes of this honeycomb form will be crushed to absorb impacts.

Type J Suspension

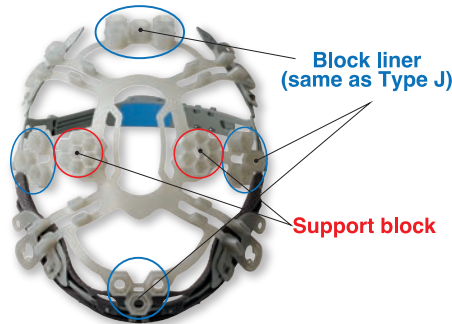
As a result of our original test, the Type J suspension model has shock absorption performance equal to or higher than that of conventional models (with impact absorption liner models).

- Japanese standard / Impact absorption test (For protection in the events of tumbling and falling down) impact area
- TANIZAWA original impact absorption test impact area



Type J-S Suspension

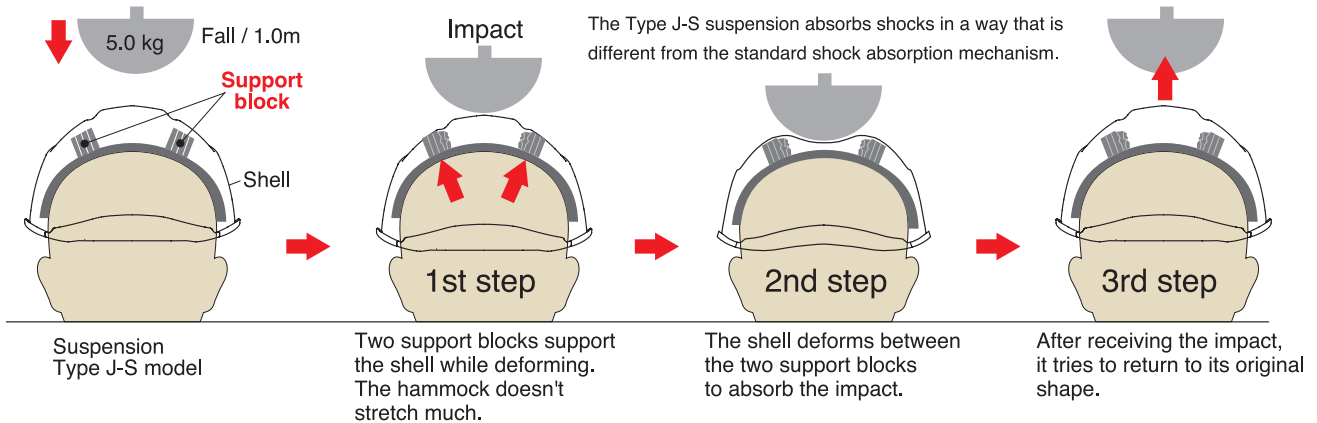
This suspension is a new type (Type J-S) of suspension equipped with a "Support block" specialized for "flying and falling objects" in Type J equipped with an innovative shock absorption system "Block liner". This is different from the conventional shock absorption method, and the two support blocks absorb the shock by supporting the shell while crushing it.



Before impact



After shock absorption

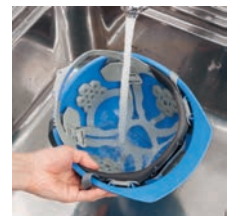


3.Washable

Because there is no styrofoam liner, it can be washed easily.

Wipe it with a cloth containing a neutral detergent for dirt that does not remove just by rinsing with clean water.

Warning : Organic solvents, parts cleaners, etc. are prohibited. The shell will be damaged.



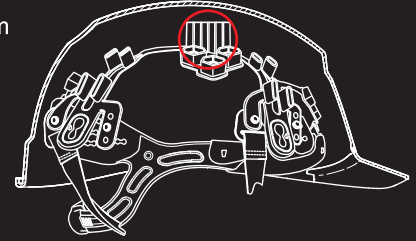
ST#123 series (Compact & Light weight)

A compact, lightweight and cooler helmet with a new shock absorption system.

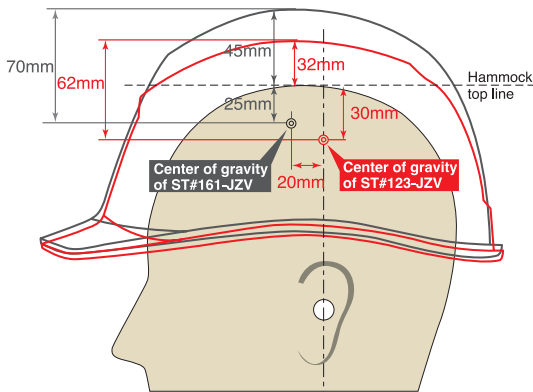
Type J-S Suspension



Type J suspension has built an innovative system for the advanced Japanese standard "For protection at the time of fall". It has evolved further and created a new system for "For flying / falling objects", which is the standard for helmet standards in the world.



Low center of gravity and Stability



There is an ear hole just above the center of gravity of the human body.

Since the center of gravity of ST#123 is almost along the line of the center of gravity of the human body, it reduces the burden on the neck when worn for a long time. Since the position of the center of gravity is 5 mm lower than the conventional model (ST#161-JZV), the sense of stability is improved and it is difficult to shift.

The conventional model required a space of 45 mm between the shell and the hammock to absorb the impact, but the newly developed support block has reduced this space to about 32 mm, making it compact with a total height of 13.3 cm.

The number of times the helmet hits the scaffolding can be expected to decrease dramatically.

Transparent peak & rain guttering



ST#123-JZV

Suspension **J-S** Weight **365g**

Material **PC** Transparent peak Rain gutter EPA IV



With ventilation holes

Built-in face shield model



ST#123VJ-SH

Suspension **J-S** Weight **430g**

Material **PC** Transparent peak Rain gutter Face shield S H EPA IV



Built-in face shield with ventilation holes



ST#1230-JZV

Suspension **J-S** Weight **365g**

Material **PC** Transparent peak Rain gutter Ventilation hole EPA IV

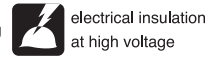
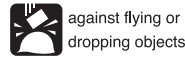


ST#1230VJ-SH

Suspension **J-S** Weight **430g**

Material **PC** Transparent peak Rain gutter Ventilation hole Face shield S H EPA IV





Standard type made from ABS



- W-1
- Y-2
- C-3
- B-1
- G-2
- GR-5

ST#0123-JZ

Material: **ABS** Rain gutter **EPA IV**

Suspension: **J-S** Weight: **335g**



- W-1
- Y-2
- C-3
- B-1
- G-2
- GR-5

ST#0123J-SH

Material: **ABS** Rain gutter Face shield: **S H** **EPA IV**

Suspension: **J-S** Weight: **400g**

With ventilation holes



- W-1
- Y-2
- C-3
- B-1
- G-2
- GR-5

ST#01230-JZ

Material: **ABS** Rain gutter Ventilation hole **EPA IV**

Suspension: **J-S** Weight: **335g**

Ultralight model

All shell colors are painted.



- W-1
- Y-2
- C-3
- B-1
- B-11
- GR-5
- R-1

ST#103B-JPZ

Material: **FRP** Rain gutter **EPA IV**
Super light weight

Suspension: **J-S** Weight: **280g**

The shell color is paint.

Standard type made from FRP



- W-1
- Y-2
- B-1
- B-11

ST#103-JPZ

Material: **FRP** Rain gutter **EPA IV**

Suspension: **J-S** Weight: **330g**



- W-1
- Y-2
- B-1
- B-11

ST#103J-SH

Material: **FRP** Rain gutter Face shield: **S H** **EPA IV**

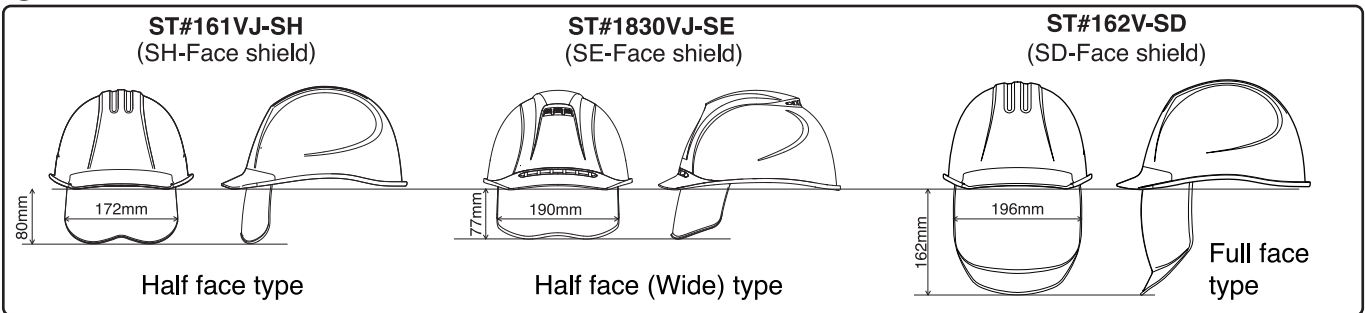
Suspension: **J-S** Weight: **400g**

Built-in face shield model



The face shield is stored in the shell, and can be pulled out when necessary.

Sizes of face shield



Inner structure



SH face shield

Half size. Hard coating on both sides (Scratch resistance)
Replacement is possible with the guide sheet.



SD face shield

Full size. Hard coating on the surface (Scratch resistance), anti-fog coating on the inside.
Replacement is only possible for shield.



- Protect your face from electric sparks and flying objects
- Size adjustment (53 - 62cm)



- Type J suspension model
- Parts are not compatible with ST#162V-SD.



ST#162V-SD



Suspension **C** Weight **615g**

ST#162VJ-SD



Suspension **J 3** Weight **615g**

Size adjustable range

EPA III 53-62cm

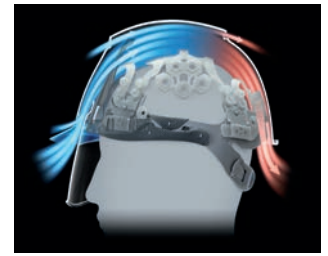
EPA IV 53-63cm

EPA III-L 56-65cm

Excellent ventilation & wide face shield



ひしょう 飛翔 plus



- It has excellent ventilation.
- A transparent peak and a wide face shield ensure a large field of view.

ST#1830VJ-SE

Suspension J 5 Weight 480g

Material ABS/PC Shell / Peak Transparent peak Rain gutter Ventilation holes Face shield S E EPA IV



- Made from PE, resistant to chemicals
- Protect your face from chemical splash
- Lightweight model
- Size adjustment (53 - 62cm)

ST#0162-SD

Suspension C Weight 535g

Material PE Rain gutter Face shield S D EPA III



- Large sized (56-65cm)
- Full face shield

ST#162VL-SD

Suspension C Weight 630g

Material PC Transparent peak Rain gutter Face shield S D EPA III-L



Transparent peak & safety glasses replacing face shield



ST#161VJ-SH

Suspension J 2 Weight 520g

Material PC Transparent peak Rain gutter Face shield S H EPA IV



Gray shield instead of sunglasses



- It cuts about 60% of visible light and 99.9% of ultraviolet rays.
- Not suitable for welding work

ST#161VJ-SHGR

Suspension J 2 Weight 520g

Material PC Transparent peak Rain gutter Face shield SH-GR EPA IV



Built-in face shield model

Size adjustable range

EPA III 53-62cm

EPA IV 53-63cm

EPA III-L 56-65cm

Transparent peak and ventilation holes



ST#1610VJ-SH  **Suspension J 2** **Weight 520g**

Material PC **Transparent peak** **Rain gutter** **Ventilation hole** **Face shield S H** **EPA IV**



Standard type, made from ABS

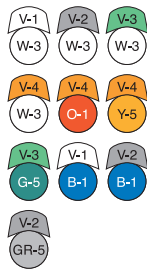


ST#1161J-SH  **Suspension J 2** **Weight 455g**

Material ABS **Rain gutter** **Face shield S H** **EPA IV**



Standard type with transparent peak



ST#141VJ-SH  **Suspension J 2** **Weight 505g**

Material PC **Transparent peak** **Face shield S H** **EPA IV**



Made from PC, MP style

Made from lightweight FRP, Standard type



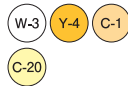
The GR-10 is a rivet of cream color.

ST#101J-SH  **Suspension J 2** **Weight 445g**

Material FRP **Face shield S H** **EPA IV**

Light weight 

Made from lightweight FRP, MP style



ST#142J-SH  **Suspension J 2** **Weight 480g**

Material PC **Face shield S H** **EPA IV**

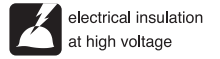
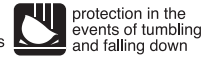
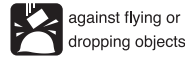



ST#108J-SH  **Suspension J 2** **Weight 440g**

Material FRP **Face shield S H** **EPA IV**

Light weight 

Heat-resistant



Made from lightweight FRP, Full brim type

Made from PC, Short peak type



W-1 Y-2 C-3

Heat-resistant

○ Size adjustment
(53 - 62cm)

ST#177-SH

Material FRP **Face shield S H** **EPA III**
Light weight

Suspension E 3 **Weight 470g**



W-3 Y-5 C-1
G-2 B-1

○ Size adjustment
(53 - 62cm)

ST#189-SH

Material PC **Rain gutter** **Face shield S H** **EPA III**

Suspension E 5 **Weight 505g**

Crubo®

For disaster prevention & portable use

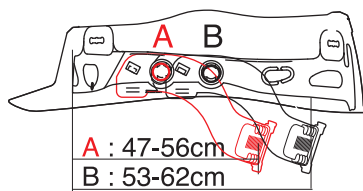


The upper part rotates, and the height becomes half (80mm)

Color



By changing the attachment position of the headband, wide adjustment



Rotary type shell
Head band size : 47 - 62cm
Package : A4 file size



ST#130 Crubo

Material ABS **Suspension 130-E** **Weight 420g**



ST#141 series



The ST#141 series boasting a sleek and functional form.

- There are plenty of color variations.
- Transparent peak secures clear & wide visibility.
- This is useful for work that requires the user to look up or for working in areas with low ceiling height.
- It also cuts ultraviolet rays to protect the user's eyes.

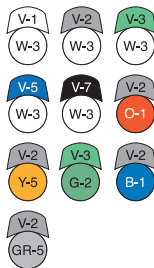
Size adjustable range

EPA III 53-62cm

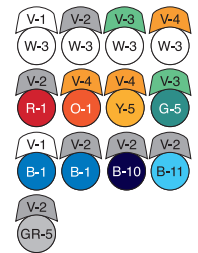
EPA IV 53-63cm

EPA III-L 56-65cm

Transparent peak & rain guttering



Transparent peak & wide field of view



ST#161-JZV

Suspension **J 1** Weight **430g**

Material **PC** Transparent peak Rain gutter EPA IV

Transparent peak & rain guttering, with ventilation holes



ST#141-JZV

Suspension **J 1** Weight **420g**

Material **PC** Transparent peak EPA IV

Large shell type with transparent peak



Large sized (56-65cm)

ST#1610-JZV

Suspension **J 1** Weight **430g**

Material **PC** Transparent peak Rain gutter Ventilation hole EPA IV

Standard type



ST#161L-CZV

Suspension **C** Weight **535g**

Material **PC** Transparent peak Rain gutter EPA III-L

Standard type with ventilation holes



ST#0161-JZ II

Suspension **J 5** Weight **370g**

Material **ABS** Rain gutter EPA IV

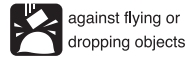


ST#01610-JZ II

Suspension **J 5** Weight **370g**

Material **ABS** Rain gutter Ventilation hole EPA IV





against flying or dropping objects

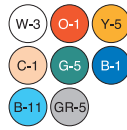


protection in the events of tumbling and falling down



electrical insulation at high voltage

Excellent electrical resistance



ST#141-JZ

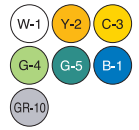
Material **PC** EPAIV

Suspension **J 1** Weight **420g**



Made from PE, lightweight & Chemical resistant

Made from lightweight FRP



ST#101-JPZ

Material **FRP** EPAIV
Light weight

Suspension **J 1** Weight **370g**



Heat-resistant

Made from PC, large shell type



ST#0141-EZ

Material **PE** EPAIII

Suspension **E 3** Weight **370g**



Chemical resistant



ST#141L-AZ

Material **PC** EPAIII-L

Suspension **A** Weight **460g**



Large sized (56-65cm)

European standard model



EN 397:2012+A1:2012 Industrial safety helmet

Difference from Japanese standard model (ST#0161-JZ)

- Emboss of shell (CE mark etc.)
- Label (for EN standard)
- Chin strap (T-15)

Made-to-order model
(M.O.Q : 200 pcs / shell color)



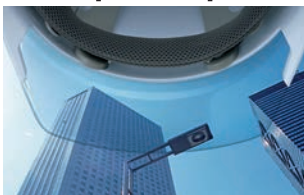
ST#0161-JEN

Material **ABS** Rain gutter EPAIII -20°C

Suspension **J 3** Weight **375g**

EN397

Transparent peak



ST#161/1610-JZV
ST#141-JZV
ST#161L-CZV

When the transparent peak is dazzling during outdoor work



Peak color "V-7" is Black.
(Not transparent)
It cuts about 99% of visible light and 100% of ultraviolet rays.

Rain guttering



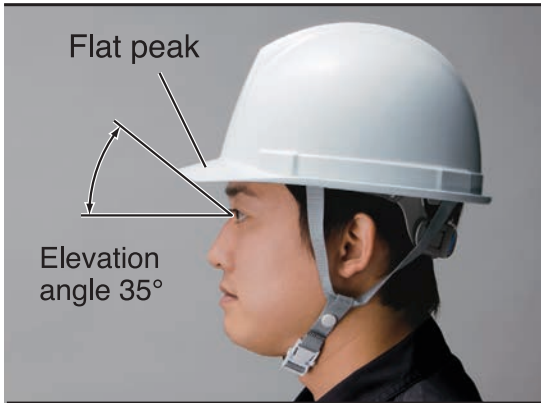
ST#161/1610-JZV
ST#0161/01610-JZII
ST#161L-CZV

Ventilation hole



ST#1610-JZV
ST#01610-JZII

ST#109 series



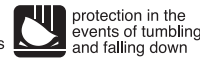
○ Secure visibility with a flat peak

The flat peak realised an elevation angle of 35 ° (ST#0169-JZ), which ensures a wide field of vision over the MP type. Ensures upper visibility during work and increase safety.

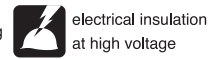
The following helmets are the authorization passing all products of Standard for Protective Helmets (Ministry of Health, Labour and Welfare of Japan)



against flying or dropping objects



protection in the events of tumbling and falling down



electrical insulation at high voltage

Size adjustable range

EPA III 53-62cm

EPA IV 53-63cm

EPA III-L 56-65cm

Standard model made from FRP



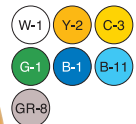
Heat-resistant

ST#109-JPZ

Material **FRP** EPA IV
Light weight



Ventilation model made from FRP



Heat-resistant

ST#1090-GPZ

Material **FRP** Ventilation hole EPA III
Light weight



Standard model made from ABS



ST#0169-EZ

Material **ABS** Rain guttering EPA III

ST#0169-E

Material **ABS** Rain guttering EPA III



Ventilation model made from ABS



ST#01690-EZ

Material **ABS** Rain guttering Ventilation hole EPA III



Two layer structure series



- High ventilation is achieved by its large ventilation holes and two-layer structure.
- Drainage of rainwater is enabled by the internal drainage structure. It also prevents penetrations by sharp objects.
- It secures a wide field of view with its transparent peak. (ST#1830)

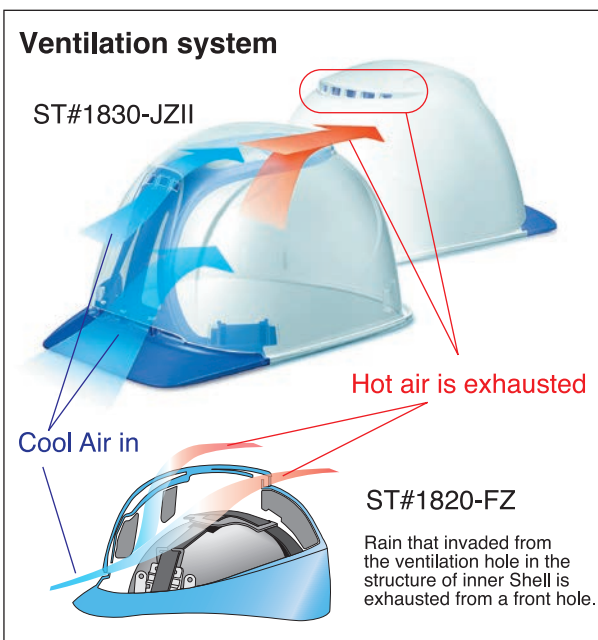
Excellent Ventilation

The ST#1820-FZ/1830-JZII helmet is unique for its superior ventilation and excellent sweat absorption abilities. A total of 11 ventilation holes are situated in the front portion of the helmet permitting fresh air to pass through the helmet and cool the user's head. (ST#1820 = 11 holes / ST#1830 = 4 big holes)

In addition, ventilation holes are located on the top of the helmet (ST#1820 = 6 holes / ST#1830 = 3 holes) and ventilation holes are situated at the back allowing heat to be released effectively. (ST#1820 = 5 holes / ST#1830 = 6 holes)

In order to achieve this degree of ventilation, the helmet's original double layer structure was created. The inner shell acts to protect the user from falling objects.

A further unique feature is the inside absorption liner which unlike other helmets is positioned away from the shell to allow and heat or humidity within to be released easily and rapidly.



Wide field of view with transparent peak



V-2 V-3 V-5 V-7 V-2 V-7 V-2 V-7 V-2 V-5 V-7 V-2 V-7 V-2 V-7 W-1 W-1 W-1 W-1 Y-2 Y-2 G-2 G-2 B-4 B-4 B-4 B-10 B-10 GR-5 GR-5

ST#1830-JZ II

Suspension **J 5** Weight **425g**

Material **ABS/PC** Two layer structure Transparent peak Rain guttering Ventilation hole **EPA IV**

Shell / Peak

飛鳥



ST#1820-FZ

W-1 B-4

Suspension **F** Weight **445g**

Material **ABS** Two layer structure Ventilation hole **EPA III**

Peakless model For use in narrow spaces



ST#1840-FZ

W-8

Suspension **T F** Weight **405g**

Material **ABS** Two layer structure Ventilation hole **EPA III**

MP & Baseball Cap style series



- **Traditional MP style**
Its round spherical shape effectively releases and disperses shocks, ensures upper visibility during work and increases safety.
- **Short peak, wide field of view**
The peak of the helmet is short and grants a wide field of view, allowing the user to notice obstacles and falling objects quickly. It is a compact design that will not collide even in narrow places.
- **Baseball cap style**
There is no collar on the side and the back, baseball cap style. The collar does not touch the headrest, and it is popular with operators and drivers. Its lightweight and compact structure is convenient for working in narrow spaces.



Size adjustable range

EPA III 53-62cm

EPA IV 53-63cm

EPA III-L 56-65cm

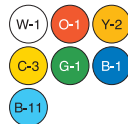
MP style model made from FRP



ST#118



ST#108



Metal rivet model that does not fall off. Can be used in environments near heat sources.



ST#118



ST#108



○ Standard model ST#118-EPZ

Material **FRP** EPA III



ST#118-EP

Material **FRP** EPA III



○ Lightweight model ST#108-JPZ

Material **FRP** EPA IV
Light weight



○ Standard model ST#118-EMZ

Material **FRP** EPA III



ST#118-EM

Material **FRP** EPA III



○ Lightweight model ST#108-JMZ

Material **FRP** EPA IV
Light weight



Lightweight model with ventilation holes



ST#1080-EPZ

Material **FRP** Ventilation hole EPA III
Light weight



MP style with large shell (FRP)

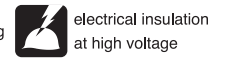
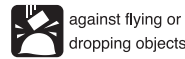


Large sized (56-65cm)

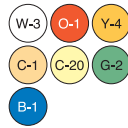
ST#150-AMZ

Material **FRP** EPA III-L





MP style model made from PC



Excellent electrical resistance

ST#142-JZ

Material **PC** EPA IV

Suspension **J 1** Weight **405g**

MP style model made from ABS



ST#148-JZ

Material **ABS** EPA IV

Suspension **J 1** Weight **370g**

ST#148-EZ

Material **ABS** EPA III

Suspension **E 3** Weight **380g**

ST#148-E

Material **ABS** EPA III

Suspension **E 3** Weight **355g**

Lightweight & electrical resistance



ST#164-EZ

Material **ABS** EPA III

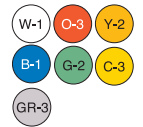
Suspension **E** Weight **390g**

ST#164-E

Material **ABS** EPA III

Suspension **E** Weight **375g**

MP style model made from PE



Excellent electrical resistance & chemical resistance

ST#147-JZ

Material **PE** EPA IV

Suspension **J 1** Weight **400g**

MP style with large shell (ABS)



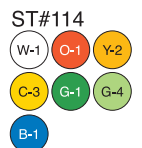
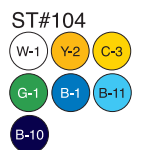
Large sized (56-65cm)

ST#160-AZ

Material **ABS** EPA III-L

Suspension **A** Weight **465g**

For operators and drivers



○ Lightweight model
ST#104-EP

Material **FRP** EPA III
Light weight

Suspension **E** Weight **335g**

○ Standard model
ST#114-EP

Material **FRP** EPA III

Suspension **E** Weight **385g**

Other Type



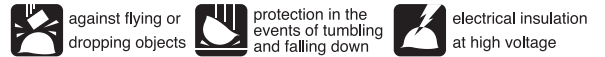
Full brim type : ST#177-EPZ, ST#153-EPZ

- Ideal for civil engineering work, suppressing raindrops and sunlight.
- Resistant to falling objects and shocks in all directions.

Front peak type : ST#185A-F / 0185-FZ

- Same design, with utility slot / without utility slot

The following helmets are the authorization passing all products of Standard for Protective Helmets (Ministry of Health, Labour and Welfare of Japan)



Size adjustable range

EPA III 53-62cm

EPA IV 53-63cm

EPA III-L 56-65cm

Made from Lightweight FRP, Full brim type



W-1



W-1 Y-2 C-3 G-1 GR-8

ST#177-EPZ

Material **FRP** EPA III
Light weight

Suspension **E** Weight **405g**



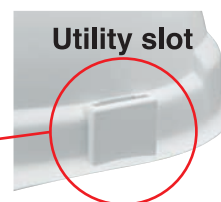
ST#153-EPZ

Material **FRP** EPA III
Light weight

Suspension **E** Weight **395g**



Front peak, with utility slot



Chin strap



Long type ear strap (PV-34)

W-1 Made-to-order model except W-1 (M.O.Q : 200 pcs / shell color)

ST#185A-F

Material **ABS** Utility slot EPA III

Suspension **F** Weight **380g**

Malaysia DOSH (JKKP SH 01/07)

Front peak, without utility slot



W-1 R-1 O-1 Y-2 C-3 G-2 B-1 GR-7

ST#0185-FZ

Material **ABS** EPA III

Suspension **F** Weight **375g**



Bump cap



⚠ WARNING! This is not an industrial safety helmet.

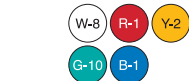
For light work only. Bump cap cannot be used for work that requires an industrial safety helmet by law.

Ideal for assembly work of automobiles and electric products

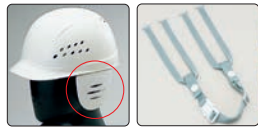
Chin strap is optional.
(With out ST#143-EN)

ST#143 = VQ-T16, ST#144 = VP144-T16(No,8)

⚠ WARNING! THIS IS NOT AN INDUSTRIAL SAFETY HELMET.



Optional parts



Ear protector Chin strap (VQ-T-16)

ST#143-EPA

Material **PE** Ventilation hole **EPA III**

Suspension **N** Weight **235g**

ST#143-N

Material **PE** Ventilation hole

Suspension **N** Weight **210g**



Optional parts



Chin strap (VP-T-16(No,8))

ST#144-EPA

Material **PE** Ventilation hole **EPA III**

Suspension **N** Weight **205g**

ST#144-N

Material **PE** Ventilation hole

Suspension **N** Weight **180g**



ST#143-SH

Material **PE** Ventilation hole **Face shield S H** **EPA III**

Suspension **143-SH** Weight **320g**



Opaque white Black



Install in the work cap.

Inner liner ST#1451

Material **PE** Weight **80g**

European standard model



EN 812:1995+A1:2001 Industrial bump cap

Difference from Japanese model (ST#143-EPA)

- Sponge pad at the top of the head
- Label (for EN standard)
- Chin strap (VQ-T-16EN/Standard equipment)
- Plate to close the ventilation hole (Half of hole)

Made-to-order model
(M.O.Q : 200 pcs / shell color)



ST#143-EN

Material **PE** Ventilation hole **Chin strap** **EPA III**

Suspension **N** Weight **300g**

EN812

Replacement parts

Guidelines for safety helmet replacement

Below are the guidelines for normal use. If you receive a big impact even once, please replace your helmet with a new one.

This guideline is from the start of use of the helmet. It is not from the date of manufacture.

1) Shell

Made from Plastic
(PC,ABS,PE)

3 years

Made from FRP

5 years

2) Suspension, chin strap, impact absorption liner

1 year

Precautions when ordering replacement parts

- 1) When changing the suspension, you cannot select a type different from the type described on the certification label. That is a violation of standards and will not be covered by our performance guarantee.
- 2) Even with the same type of suspension, the size varies depending on the shell. When ordering, please inform us of the model number.
- 3) ABS rivet depends on shell color. Please inform us of shell color when ordering.
- 4) The fitting part of chin strap varies depending on the model. When ordering please inform us the model number.

Suspension (Harness)



Type A



Type C



Type E



Type E3



Type E5



Type E6



Type EF



Type F



Type G



Type J1



Type J2



Type J3



Type J5



Type J-S(J6)

Impact absorption liner



No.9



No.9-A2



No.14



No.16



No.64



No.69



No.82



No.84



No.085



A-1



P-2



P-6



P-10



P-14



P-16

Chin strap

Chin strap types are different depending on shell type. Please specify the type when you order. Only part (T16), the chin portion, can be ordered.



No.2



No.8



No.5



VQ-T16



T16 (Chin parts)

VP-T16 (No.2)

VP-T16 (No.8)

VP-T16 (No.5)

Rivet (For FRP shell)



Please inform us of the shell color code

Sweat band



For EPA head band



For Standard head band

Exchanging built-in face shields

○Please exchange the “face shield unit (lens + guide seat)” for SH face shield model.

It is not possible to exchange only the lenses.

○Only lenses can be exchanged for the SD & SE face shield models. (Japanese PAT.No.5419633)



SH-Face shield unit



SD-Face shield unit



⚠WARNING!

This unit cannot be installed on models without built-in face shields.

Accessories

ECO-RACK (Helmet hanger)

made by Recycling plastic(PP)

Color :  Blue  Ivory



ST#820N = ST#822N x 3 pcs. are connected. Total : Helmet 6 pcs.



ST#822N = Helmet 2 pcs.



ST#821N
= Helmet 1 pcs.



ST#821NM
= 821N + magnet



ST#820N



Size : L



Size : M



Size : S

Hood for heat protection N



Face shield NS-201

Aluminum frame
Thickness of lens : 2mm (acrylic)



Helmet carry bag ST#831 II



Sun shade hood ST#1961



Quick dry inner cap ST#1905

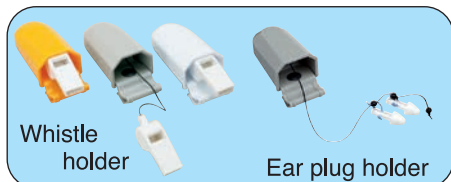


Cold protection hood ST#1922

Wine-red
Blue green



Additional sweat band ST#1901



Whistle holder

Ear plug holder

ST#670 / G

ST#673-15

Dropout prevention BB-130



The helmet doesn't drop & shift to the impact from the back.

Swing guard VS



Whistle & Ear plug holder



Pen holder / U



LED flasher

ST#651



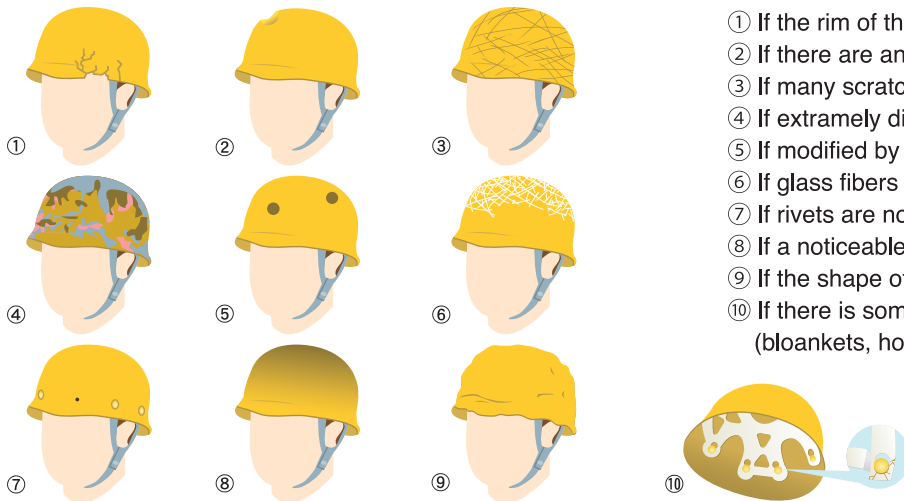
ID card holder

ST#1931

Please inspect your helmet in accordance with the following checkpoints before use.

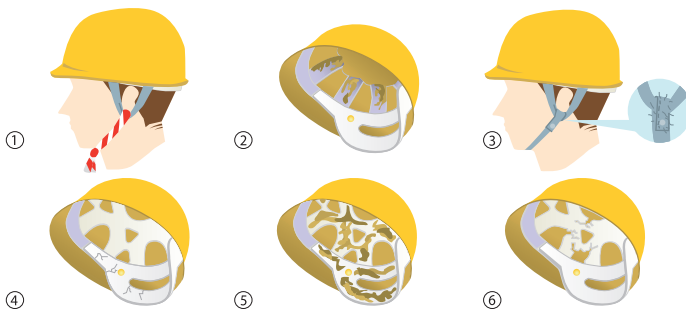
Check list for safety helmet

Check points for replacing the shell (If any of the following conditions are found)



- ① If the rim of the shell is chipped or cracked or broken.
- ② If there are any marks or dents from impacts.
- ③ If many scratches are visible.
- ④ If extremely dirty.
- ⑤ If modified by the user.
- ⑥ If glass fibers are visible on the surface of the shell.
- ⑦ If rivets are not attached.
- ⑧ If a noticeable change in color is visible.
- ⑨ If the shape of the shell changes.
- ⑩ If there is something wrong with the mounting (blowmolds, hooks, etc.)

Check points for replacing hammock, headband and chinstraps (If any of the following conditions are found)



- ① If there has been any modification made by user.
- ② If the hammock parts are damaged or extremely dirty.
- ③ If the seam is fraying or fixed parts are stripped off.
- ④ If the headband is damaged, ripped, or out of shape.
- ⑤ If there is considerable dirt due to oil and perspiration.
- ⑥ If the hammock is scratched or damaged.

Check points for replacing shock absorption lining (If any of the following conditions are found)



- ① If the shape changes due to heat, solvents, etc.
- ② If it is extremely dirty.
- ③ If there are numerous scratches or cracks.
- ④ If the block liner is broken.

Safety Precautions

Warning If you do not follow the instructions below, it means that you will cause serious damage to your life or head.

- Do not use helmets without inspection labels.
- Use a helmet that suits your work.
- Wear a helmet that has received a large impact even once and replace it with a new one.
- Do not modify or modify the helmet or remove parts.
- Replace when the usage period becomes long.
- Always check according to the checklist.
- Be sure to tighten the chin strap correctly.
- The suspension will be replaced in about a year. If any deterioration or abnormality is found, replace it immediately.
- Do not drive a motorcycle wearing this helmet.

Caution If you do not follow the instructions below, it means that you will damage your head.

- Adjust the headband correctly.
- Do not install any parts or accessories other than those specified by us.
- If the suspension or chin strap becomes dirty, replace it.
- If you replace parts such as the suspension, reassemble it completely.
- If you lose a part, replace it with another part or do not use it with a shortage of parts.
- Do not leave it in a place with a high temperature of 50°C or higher or in direct sunlight for a long period of time.
- Do not sit on a helmet or carry anything inside.
- Handle the helmet with care.
- Do not work for a long time in a hot place.
- Do not paint the shell with paints other than those specified by us.
- Do not attach labels or stickers other than those specified by the manufacturer.
- Do not use organic solvents such as benzene or thinner to clean the shell.
- Decide and use your own helmet.
- To put on and take off the helmet, do not put it on or take it off with the hook of the chin strap.

TANIZAWA Personal Fall-Arrest Systems

New Japanes Ministry of Health, Labor and Welfare Standard Personal Fall-Arrest System Standard Model

The standard was revised on February 1, 2019, and a new standard was applied. Fall-Arrest Systems generally uses full body harnesses. When using a full body harness, the safety belt can only be used if the user reaches the ground in the event of a fall. (less than 6.75 m).

● How to choose a full-body harness

Select according to the shape of the back and thigh straps, and the presence or absence of a tool belt. The weight limit (body weight + equipment weight) is written on the harness itself.
 * All Tanizawa full-body harnesses have a limit of 140 kg or less.

Back shape



X type



Y type

Shape of thigh straps



Flat type



V type



Full body harness label

Thigh strap buckle



Quick connect type



Pass-through type



With tool belt (SK buckle)



With tool belt (OTII,III buckle)



Without tool belt

Strap color



HN Black



HN Blue



HN Gray

⚠ The tool belt is not a fall-arrest system device.

● How to choose a lanyard

Select according to the hook mounting position when working and the weight limit. There are two types of lanyard.

Lanyard type	Hook mounting position	Free-fall distance	Impact load	Elongation of energy absorber
Type 1	Above waist	1.8 m	less than 4.0kN	1.2 m or under
Type 2	Above waist and near heel	4.0 m	less than 6.0kN	1.75 m or under



Class 1

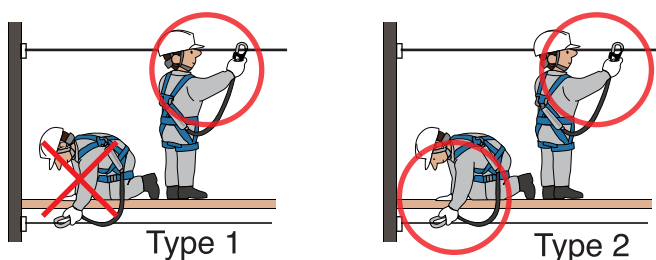
- Weight limit: 110kg
- Maximum free-fall distance: 2.3m
- Fall distance: 4.4m
- When length of lanyard is 1.7m



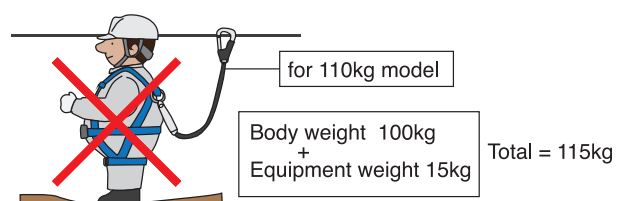
Class 2 Other labels are the same as on left

- Weight limit: 110kg
- Maximum free-fall distance: 4.0m
- Fall distance: 5.2m

Hook mounting position



Weight limit



Tanizawa has 110kg,130kg and 140kg models.

TANIZAWA Personal Fall-Arrest Systems

Features of the Full-Body Harness Made by TANIZAWA



One-size-fits-all

You don't need to worry about finding the right size. Tanizawa's full-body harness fits a variety of shapes with one size. The applicable range is 190-290 (height in cm + weight in kg). (ST#575 comes in standard & small sizes)
The end clip neatly gathers any leftover strap, and is equipped standard to all models.



End clip



Shoulder straps that follow movement

Tanizawa's full-body harness allows the shoulder straps to slide and follow the movements of the shoulders, allowing for smooth operation when working. Comfort and ease of wear have been improved, so your shoulders won't tense up so easily.



Lower strap structure

Centralizing the joints of the front and rear thigh straps to the sides allows your bottom to move more easily when you are squatting. (Without ST#574)



Sub-pelvic straps

Sub-pelvic straps prevent the thigh straps from moving up by pulling on the thigh straps during fall arrest. This reduces pressure on the inner thighs and catches any impact on the buttocks.

Understanding Product Models

Full-body harness

ST# 573A - SK
① ②

① Shape of full-body harness

Select from 571A, 572A, 573A, 574A, 574AD, 575A, 576A

② Presence of tool belt, shape

SK = With tool belt (SK buckle)
OTII = With tool belt (OTII buckle)
OTIII = With tool belt (OTIII buckle)
N = Without tool belt

Lanyard

ST#5701(130) - SG110
① ② ③ ④

③ Lanyard shape

SG = Webbing type
SGQ = Retractor type
TRG = Elastic webbing type

④ Lanyard length

No label = Standard length
110 or 130 = Non-standard length
110/160 = Twin leg lanyard of different length

① Lanyard type ② Weight limit

1 = Type 1
2 = Type 2
No label = 110kg or less
(130) = 130kg or less
(140) = 140kg or less

Full-body harness

ST#571A

Standard model
with X-shaped back



Back shape
X

Shape of thigh straps
Flat

Thigh strap buckle
Quick connect

Weight limit
140 kg
or less

One-size-fits-all

- ST#571A-SK 1,330g (with tool belt SK buckle)
- ST#571A-OTIII 1,390g (with tool belt OTIII buckle)
- ST#571A-N 1,070g (without tool belt)



ST#571

Thigh strap buckle
Pass through

ST#571A model with different thigh buckle

- ST#571-SK 1,310g (with tool belt SK buckle)
- ST#571-OTIII 1,370g (with tool belt OTIII buckle)
- ST#571-N 1,050g (without tool belt)



ST#572A

Model with X-shaped back
and V-shaped thigh straps



Back shape
X

Shape of thigh straps
V

Thigh strap buckle
Quick connect

Weight limit
140 kg
or less

One-size-fits-all

- ST#572A-SK 1,240g (with tool belt SK buckle)
- ST#572A-OTIII 1,300g (with tool belt OTIII buckle)
- ST#572A-N 980g (without tool belt)



Flame-retardant model

Strap color : ■ black only

- ST#572F-N 930g (without tool belt /
Thigh strap buckle : Pass through)
- ST#572AF-N 950g (without tool belt)
Thigh strap buckle : Quick connect

ST#573A

Standard model
with Y-shaped back



Back shape
Y

Shape of thigh straps
Flat

Thigh strap buckle
Quick connect

Weight limit
140 kg
or less

One-size-fits-all

- ST#573A-SK 1,350g (with tool belt SK buckle)
- ST#573A-OTIII 1,410g (with tool belt OTIII buckle)



Full-body harness

ST#574AD

Fully adjustable high-end model

Comes with back strap adjuster, shoulder pads, waist pads, and tool belt.

The shoulder strap folds over itself, making it difficult to come loose.



Shoulder pad
Waist pad

Back shape Y	Shape of thigh straps Flat	Thigh strap buckle Quick connect	Weight limit 140 kg or less
------------------------	--------------------------------------	--	--

ST#574AD-SK 1,860g (with tool belt SK buckle)
ST#574AD-OTIII 1,920g (with tool belt OTIII buckle)



One-size-fits-all

ST#574A

ST#574A is a pad-less version of ST#574 AD

Comes with back strap adjuster and tool belt. The shoulder strap folds over itself, making it difficult to come loose.



Back shape Y	Shape of thigh straps Flat	Thigh strap buckle Quick connect	Weight limit 140 kg or less
------------------------	--------------------------------------	--	--

ST#574A-SK 1,390g (with tool belt SK buckle)
ST#574A-OTIII 1,450g (with tool belt OTIII buckle)



One-size-fits-all

Flame-retardant model Strap color : ■ black only

ST#574AF-N 1,170g (without tool belt)

ST#575A

Special model for women

Places the straps in a position that does not press on the chest. It's been streamlined by removing extra adjustment fittings from the shoulder straps. It is an exclusive model designed and developed for women to wear in style.



Back shape Y	Shape of thigh straps Flat	Thigh strap buckle Quick connect	Weight limit 140 kg or less
------------------------	--------------------------------------	--	--

ST#575A-OTII 1,340g (with tool belt OTII buckle)
ST#574A-N 930g (without tool belt)

Strap color HN Black HN Blue



Standard & small sizes

Strap color



ST#576A

The standard model chest belt is 18 cm
The wide model is 28 cm
and the belt color is gray.

Full body harness with D-rings on front and back

Back shape Y	Shape of thigh straps V	Thigh strap buckle Quick connect	Weight limit 140 kg or less
------------------------	-----------------------------------	--	--



ST#576A-SK	1,390g (with tool belt SK buckle)
ST#576A-OTIII	1,460g (with tool belt OTIII buckle)
ST#576A-N	1,140g (without tool belt)
ST#576A(28)-N	1,180g (Wide type without tool belt)
ST#576A(28)-SK	1,430g (Wide type with tool belt SK buckle)
ST#576A(28)-OTIII	1,500g (Wide type with tool belt OTIII buckle)



Wide type

Optional parts



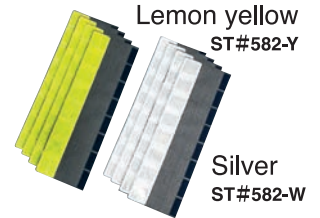
Pad for shoulder strap ST#581 (2 pcs / set)



Gray Black



Reflector for full body harness ST#582 (4 pcs / set)



Lemon yellow ST#582-Y

Silver ST#582-W



Dual holder ST#583

- Can be used as a resting hook when moving. The hook and the rope can be secured at the same time.



Strap end clip ST#584

- A clip that gathers extra shoulder and thigh straps after adjusting the size. (4 pcs / set)



Back strap ST#585

- To be attached when using an X-type harness without a tool belt.



Hook hanger ST#586

- Clip type that can be attached with a single motion.



Suspension intolerance strap ST#587

- Secured to the thigh straps in advance.
- Ensures normal blood circulation, and prevents compression of blood vessels in the thighs after fall control.



Blue

Gray



Black







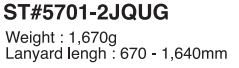
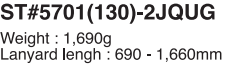





Pad for tool belt ST#589 II


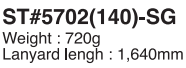

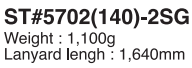



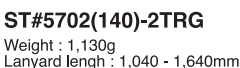


Tool belt holder ST#588

- Secures the tool belt and shoulder straps. (10 pcs / set)

Lanyards

Lanyards		Single leg lanyards		Twin leg lanyards	
		Weight limit: 110 kg or less	Weight limit: 130 kg or less	Weight limit: 110 kg or less	Weight limit: 130 kg or less
Type 1	Webbing lanyards	 <p>ST#5701-SG Weight : 690g Lanyard length : 1,600mm</p> <p>ST#5701-SG110 Weight : 660g Lanyard length : 1,100mm</p> <p>ST#5701-SG130 Weight : 670g Lanyard length : 1,300mm</p>	 <p>ST#5701(130)-SG Weight : 710g Lanyard length : 1,600mm</p> <p>ST#5701(130)-SG110 Weight : 660g Lanyard length : 1,100mm</p> <p>ST#5701(130)-SG130 Weight : 670g Lanyard length : 1,300mm</p>	 <p>ST#5701-2SG Weight : 1,040g Lanyard length : 1,600mm</p> <p>ST#5701-2SG110 Weight : 990g Lanyard length : 1,100mm</p> <p>ST#5701-2SG130 Weight : 1,010g Lanyard length : 1,300mm</p>	 <p>ST#5701(130)-2SG Weight : 1,060g Lanyard length : 1,600mm</p> <p>ST#5701(130)-2SG110 Weight : 990g Lanyard length : 1,100mm</p> <p>ST#5701(130)-2SG130 Weight : 1,010g Lanyard length : 1,300mm</p>
	Retractable lanyards	 <p>ST#5701-SQG Weight : 930g Lanyard length : 675 - 1,640mm</p>	 <p>ST#5701(130)-JQUG Weight : 1,020g Lanyard length : 690 - 1,660mm</p>	 <p>ST#5701-2JQUG Weight : 1,670g Lanyard length : 670 - 1,640mm</p> <p>ST#5701-JQU/TRG Weight : 1,400g Lanyard length : 670 - 1,640mm 1,000 - 1,600mm</p> <p>ST#5701-JQU/TRUG Weight : 1,480g Lanyard length : 670 - 1,640mm 1,060 - 1,660mm</p> <p>ST#5701-JQU/TRG110 Weight : 1,360g Lanyard length : 670 - 1,640mm 820 - 1,100mm</p> <p>ST#5701-JQU/TRG130 Weight : 1,380g Lanyard length : 670 - 1,640mm 860 - 1,300mm</p> <p>ST#5701-JQU/TRUG130 Weight : 1,460g Lanyard length : 670 - 1,640mm 920 - 1,360mm</p>	 <p>ST#5701(130)-2JQUG Weight : 1,690g Lanyard length : 690 - 1,660mm</p> <p>ST#5701(130)-JQU/TRG Weight : 1,420g Lanyard length : 690 - 1,660mm 1,020 - 1,620mm</p> <p>ST#5701(130)-JQU/TRUG Weight : 1,500g Lanyard length : 690 - 1,660mm 1,080 - 1,680mm</p> <p>ST#5701(130)-JQU/TRG110 Weight : 1,380g Lanyard length : 690 - 1,660mm 840 - 1,120mm</p> <p>ST#5701(130)-JQU/TRG130 Weight : 1,400g Lanyard length : 690 - 1,660mm 880 - 1,320mm</p> <p>ST#5701(130)-JQU/TRUG130 Weight : 1,480g Lanyard length : 690 - 1,660mm 940 - 1,380mm</p>
	Elastic webbing lanyards	 <p>ST#5701-TRG Weight : 710g Lanyard length : 1,000 - 1,600mm</p> <p>ST#5701-TRG110 Weight : 670g Lanyard length : 860 - 1,100mm</p> <p>ST#5701-TRG130 Weight : 690g Lanyard length : 960 - 1,300mm</p> <p>Flame-retardant lanyard ST#5701-FG Weight : 750g Lanyard length : 1,480 - 1,630mm</p>  <p>Elastic</p>	 <p>ST#5701(130)-TRG Weight : 730g Lanyard length : 1,000 - 1,600mm</p> <p>ST#5701(130)-TRG110 Weight : 670g Lanyard length : 860 - 1,100mm</p> <p>ST#5701(130)-TRG130 Weight : 690g Lanyard length : 960 - 1,300mm</p>	 <p>ST#5701-2TRG Weight : 1,100g Lanyard length : 1,000 - 1,600mm</p> <p>ST#5701-2TRG110 Weight : 1,020g Lanyard length : 860 - 1,100mm</p> <p>ST#5701-2TRG110/160 Weight : 1,060g Lanyard length : 860 - 1,100mm 1,000 - 1,600mm</p> <p>ST#5701-2TRG130 Weight : 1,050g Lanyard length : 960 - 1,300mm</p> <p>ST#5701-2TRG130/160 Weight : 1,070g Lanyard length : 960 - 1,300mm 1,000 - 1,600mm</p>	 <p>ST#5701(130)-2TRG Weight : 1,120g Lanyard length : 1,000 - 1,600mm</p> <p>ST#5701(130)-2TRG110 Weight : 1,020g Lanyard length : 860 - 1,100mm</p> <p>ST#5701(130)-2TRG130 Weight : 1,050g Lanyard length : 960 - 1,300mm</p>

Lanyards		Single leg lanyards		Twin leg lanyards	
		Weight limit: 110 kg or less	Weight limit: 140 kg or less	Weight limit: 110 kg or less	Weight limit: 140 kg or less
Type 2	Webbing lanyards	 <p>ST#5702-SG Weight : 690g Lanyard length : 1,600mm</p>	 <p>ST#5702(140)-SG Weight : 720g Lanyard length : 1,640mm</p>	 <p>ST#5702-2SG Weight : 1,040g Lanyard length : 1,600mm</p>	 <p>ST#5702(140)-2SG Weight : 1,100g Lanyard length : 1,640mm</p>
	Elastic webbing lanyards	 <p>ST#5702-TRG Weight : 710g Lanyard length : 1,000 - 1,600mm</p>	 <p>ST#5702(140)-TRG Weight : 740g Lanyard length : 1,040 - 1,640mm</p>	 <p>ST#5702-2TRG Weight : 1,100g Lanyard length : 1,000 - 1,600mm</p>	 <p>ST#5702(140)-2TRG Weight : 1,130g Lanyard length : 1,040 - 1,640mm</p>

Specification

Full-body harness

Series	Model	Back shape	Work belt presence, buckle	Thigh belt	Thigh belt buckle	Weight	Strap color
571	ST#571-N	X	Without tool belt	flat	Pass-through	1,050g	HN Black HN Blue HN Gray
	ST#571-SK	X	With tool belt+SK buckle	flat	Pass-through	1,310g	
	ST#571-OTIII	X	With tool belt+OTIII buckle	flat	Pass-through	1,370g	
571A	ST#571A-N	X	Without tool belt	flat	Quick type	1,070g	
	ST#571A-SK	X	With tool belt+SK buckle	flat	Quick type	1,330g	
	ST#571A-OTIII	X	With tool belt+OTIII buckle	flat	Quick type	1,390g	
572A	ST#572A-N	X	Without tool belt	V	Quick type	980g	
	ST#572A-SK	X	With tool belt+SK buckle	V	Quick type	1,240g	
	ST#572A-OTIII	X	With tool belt+OTIII buckle	V	Quick type	1,300g	
572F	ST#572F-N	X	Without tool belt	V	Pass-through	930g	Black
	ST#572AF-N	X	Without tool belt	V	Quick type	950g	
573A	ST#573A-SK	Y	With tool belt+SK buckle	flat	Quick type	1,350g	HN Black HN Blue HN Gray
	ST#573A-OTIII	Y	With tool belt+OTIII bucklet	flat	Quick type	1,410g	
574A	ST#574A-SK	Y	With tool belt+SK buckle	flat	Quick type	1,390g	
	ST#574A-OTIII	Y	With tool belt+OTIII buckle	flat	Quick type	1,450g	
574AD	ST#574AD-SK	Y	With tool belt+SK buckle	flat	Quick type	1,860g	HN Gray
	ST#574AD-OTIII	Y	With tool belt+OTIII buckle	flat	Quick type	1,920g	
574AF	ST#574AF-N	Y	Without tool belt	flat	Quick type	1,170g	Black
575A	ST#575A-N	Y	Without tool belt	flat	Quick type	930g	HN Black
	ST#575A-OTII	Y	With tool belt+OTII buckle	flat	Quick type	1,340g	HN Blue
576A	ST#576A-N	Y	Without tool belt	V	Quick type	1,140g	HN Black HN Blue HN Gray
	ST#576A-SK	Y	With tool belt+SK buckle	V	Quick type	1,390g	
	ST#576A-OTIII	Y	With tool belt+OTIII buckle	V	Quick type	1,460g	
	ST#576A(28)-N	Y	Without tool belt (Wide)	V	Quick type	1,180g	
	ST#576A(28)-SK	Y	With tool belt+SK buckle (Wide)	V	Quick type	1,430g	
	ST#576A(28)-OTIII	Y	With tool belt+OTIII buckle (Wide)	V	Quick type	1,500g	

Standards for Replacement (Product Life)

- It depends on how they are used, but please replace harnesses with new ones after 3 years from the beginning of use, and lanyards (rope with metal fittings) after 2 years (as a standard).
- Even if it is within the period of the replacement guidelines, if it meets the following disposal criteria, replace it with a new one, or replace its parts.
- Regardless of disposal criteria, do not use a product that has received a large impact, even if its appearance has not changed.

Part under inspection	Inspection items	Disposal criteria	※ () is for safety belt
Straps and belts	Wear and fray	2 mm (3 mm) or more	
	Cut, burn, melt	2 mm (3 mm) or more	
	Sewing part	Loose / slack	
	Adhesion of chemicals and paints	Adhesion of chemicals, adhesion/hardening of paint	
	Sewing thread	Cut in one or more places, severely worn out	
	End clamp	Deformed and not passing through the buckle, falling off	
Plastic parts	Broken or lost	Broken, cracked, missing	
Metal parts	Deformation	There is deformation in the riveted part of the rivet.	
		The buckle is not tight enough.	
		Malfunction of the hook release device.	
		The deformation can be seen visually.	
	Wear, scratches	Wearing down of the buckle or meshing portion of the adjuster with the belt, loosening of the belt.	
		Scratches inside the hook, even if slight.	
Crimped parts of rivets are worn down by more than half. Scratches of 1 mm or more in depth, cracked even slightly.			
Rust	Rust has formed all over.		
Springs	Hook or buckle springs are broken or missing.		
Adhesion of chemicals and paints	Paint or the like has adhered to moving parts, springs, etc. and cannot be wiped off.		
Retractor	Deformation	Rope cannot be pulled in and out.	
	Mounting screw	Mounting screws are missing or rusted.	
	Damage, scratches	The resin cover or belt loop ring is broken.	
	Lock	The winding device does not lock even if it is pulled out hard.	
Energy absorber	Adhesion of chemicals and paints	Dirty, deformed or hardened.	
	Cover damage	Energy absorbers are exposed (do not wrap with tape, etc.).	
	Frayed	Belts at the ends of the ring are extremely frayed.	
	Sewing thread	One or more disconnected.	
Act	Operated under large impact load.		
Lanyard, Rope Elastic webbing	Scratch	Cuts of 1 mm or more and exposure of the core material.	
	Burnout	Burn marks and melt marks of 1 mm or more.	
	Wear	Abrasion, fraying, fluffing and exposed core material.	
	Chemicals / paint	Dirt, discoloration, or hardening.	
	Sewing	Rope and strap sewing thread is broken even at one place. The middle part of the cover of the energy absorber is defeated and the inside is exposed.	
	Thimble	Thimble dropout and wear.	
Rope	The rope's ten internal affairs have been lost, and it has shrunk significantly. In the case of elastic webbing, the elasticity is significantly lost.		

Safety belt

If there is no indication, the usable weight is 100 kg or less.

As a general rule, full-body harnesses must be used as personal fall-arrest systems when working where there is no work floor of 2m or more, or where installation of enclosures and handrails is difficult due to the edge or opening of the work floor. However, if there is a possibility of the wearer of the full-body harness reaching the ground (**heights of 6.75m or less**), the use of a safety belt is permitted.

The retractor's built-in interlock feature minimizes fall distance, even in the event of a fall.

Retractor standard model



- Belt color
- Yellow
 - Gray
 - Green
 - Blue
 - HN Black
 - HN Blue

ST#565II-S-50AII

Belt W:50mm L:1,200mm	Buckle Standard	Hook Standard	Lanyard Retractor 1,660mm	Weight 1,270g
-----------------------------	--------------------	------------------	---------------------------------	------------------

ST#565II-SK-50FII

Belt W:50mm L:1,200mm	Buckle Light weight	Hook Light weight	Lanyard Retractor 1,660mm	Weight 1,120g
-----------------------------	------------------------	----------------------	---------------------------------	------------------

* HN Black and HN Blue include two hook hangers (P-30, ST # 586) instead of rope bags.

Usable weight : 130kg

ST#565II(130)-S-50AII

Belt W:50mm L:1,500mm	Buckle Standard	Hook Standard	Lanyard Retractor 1,660mm	Weight 1,340g
-----------------------------	--------------------	------------------	---------------------------------	------------------

- Belt color
- Blue

Retractor twin leg standard model



- Belt color
- Yellow
 - Blue

ST#565II-S-50AII-W (TS-1AII)

Belt W:50mm L:1,170mm	Buckle Standard	Hook Standard	Lanyard Retractor 1,660mm	Sub-lanyard Webbing 1,100mm	Weight 1,940g
-----------------------------	--------------------	------------------	---------------------------------	-----------------------------------	------------------

ST#565II-SK-50FII-W (TS-1FII)

Belt W:50mm L:1,170mm	Buckle Light weight	Hook Light weight	Lanyard Retractor 1,660mm	Sub-lanyard Webbing 1,100mm	Weight 1,720g
-----------------------------	------------------------	----------------------	---------------------------------	-----------------------------------	------------------

ST#565II-S-50AII-W (TS-2AII)

Belt W:50mm L:1,170mm	Buckle Standard	Hook Standard	Lanyard Retractor 1,660mm	Sub-lanyard Webbing 1,000mm	Weight 1,770g
-----------------------------	--------------------	------------------	---------------------------------	-----------------------------------	------------------

ST#565II-SK-50FII-W (TS-2FII)

Belt W:50mm L:1,170mm	Buckle Light weight	Hook Light weight	Lanyard Retractor 1,660mm	Sub-lanyard Webbing 1,000mm	Weight 1,550g
-----------------------------	------------------------	----------------------	---------------------------------	-----------------------------------	------------------

Retractor+small retractor model



- Belt color
- Blue

ST#565II-S-50AII-W (QS-2AII)

Belt W:50mm L:1,170mm	Buckle Standard	Hook Standard	Lanyard Retractor 1,660mm	Sub-lanyard S-Retractor 1,150mm	Weight 1,950g
-----------------------------	--------------------	------------------	---------------------------------	---------------------------------------	------------------

Small retractor + Quick release buckle



- Belt color
- Yellow
 - Gray
 - Blue

ST#563II-OT-50FII

Belt W:50mm L:1,130mm	Buckle Quick release	Hook Light weight	Lanyard S-Retractor 1,150mm	Weight 930g
-----------------------------	----------------------------	----------------------	-----------------------------------	----------------

Retractor + Quick release buckle



- Belt color
- Yellow

ST#565II-OT-50FII

Belt W:50mm L:1,130mm	Buckle Quick release	Hook Light weight	Lanyard Retractor 1,660mm	Weight 1,170g
-----------------------------	----------------------------	----------------------	---------------------------------	------------------

Double-Small retractor model



- Belt color
- Blue

ST#563II-OT-50FII-W(QS-2FII)

Belt W:50mm L:1,100mm	Buckle Quick release	Hook Light weight	Lanyard S-Retractor 1,150mm	Sub-lanyard S-Retractor 1,150mm	Weight 1,560g
-----------------------------	----------------------------	----------------------	-----------------------------------	---------------------------------------	------------------

Safety belt



Rope type lanyard model ST#510-DRS-50S

Belt color
■ Yellow
■ Green
■ Blue

Belt
 W:50mm
 L:1,200mm

Buckle
 Standard

Hook
 Standard

Lanyard
 Lope
 1,700mm

Weight
 1,035g

Sub lanyard

TS-1AII  

Removable type,
 Standard hook, Lanyard length :1,100mm, Weight : 670g

TS-1FII  

Removable type,
 Light weight hook, Lanyard length :1,100mm, Weight : 600g

TS-2AII  

Non-Rremovable type,
 Standard hook, Lanyard length :1,000mm, Weight : 500g

TS-2FII  

Non-Rremovable type,
 Light weight hook, Lanyard length :1,000mm, Weight : 430g

QS-2AII  

Non-Rremovable type, Standard hook,
 Lanyard length :1,150mm, Weight : 680g

QS-2FII  

Non-Rremovable type, Light weight hook,
 Lanyard length :1,150mm, Weight : 610g

Sub-lanyards are not fall-arrest systems.

They are short ropes attached to the safety belt and used when moving (JIS T 8165: 2018).

Label of lanyard with shock absorber

	ST#565II	ST#565II(130)	ST#563II
Class	Safety belt type	Safety belt type	Safety belt type
Type	Type 1	Type 1	—
Usable weight	100kg	130kg	100kg
Fall distance	3.5 m	3.7 m	1.7~1.9 m
Maximum free fall distance	1.8 m	1.8 m	1.3 m

Specification

Safety belt & Sub-lanyard

Series	Model	Spec.	Belt & strap color
Single leg safety belt	ST#565II-S-50AII	Retractor type standard model	■ ■ ■ ■ ■ ■
	ST#565II-SK-50FII	Retractor + Lightweight hook and buckle	■ ■
	ST#565II-OT-50FII	Retractor + Lightweight hook and quick buckle	■
ST#565II ST#563II	ST#565II(130)-S-50AII	Retractor type standard model (Usable weight 130 kg or less)	■
	ST#563II-OT-50FII	Small retractor + Lightweight hook and quick buckle	■ ■ ■
Dragon III	ST#510-DRS-50S	Nylon rope + energy absorber	■ ■ ■
Twin leg safety belt	ST#565II-S-50AII-W(TS-1AII)	Retractor type standard model + TS-1AII	■ ■
	ST#565II-S-50AII-W(TS-2AII)	Retractor type standard model + TS-2AII	
	ST#565II-SK-50FII-W(TS-1FII)	Retractor + Lightweight hook and buckle + TS-1FII	
	ST#565II-SK-50FII-W(TS-2FII)	Retractor + Lightweight hook and buckle + TS-2FII	
	ST#565II-S-50AII-W(QS-2AII)	Retractor type standard model + QS-2AII	
ST#565II-W ST#563II-W	ST#563II-OT-50FII-W(QS-2FII)	Small retractor + Lightweight hook and quick buckle + QS-2FII	■
	TS-1AII	With small hook, removable type	■
TS-2AII	Belt direct mounting type		
TS-1FII	With small hook, removable type, Lightweight hook		
TS-2FII	Belt direct mounting type, Lightweight hook		
QS-2AII	Small retractor + standard hook, Belt direct mounting type		
QS-2FII	Small retractor + Lightweight hook, Belt direct mounting type		

The usable weight of the safety belt is 100 kg or less.

If the equipment weight exceeds that, use a full body harness. (Excluding ST # 565II (130) -S-50AII)



Manufacturer

Tanizawa Seisakusho, Ltd.

RBM Tsukiji Bldg 6F, 2-15-5 Shintomi,
Chuo-ku, Tokyo, 104-0041 Japan

TEL +81-3-3552-2055 FAX +81-3-5541-2768

Distributed by

©Specifications and external design of products features in this catalog may change without notice to improve products.

©There may be slight differences between actual products and product images in this catalog.

©The contents in this catalog are as of July 2023.

July 2023 At-8