





for 2023

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# P.03 **SUSTAINABILITY**







#### About the contents

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- When adopting or using our products, please be sure to contact or consult with our sales representatives at the time of adoption and select and use the appropriate prod uct for the intended use after verifying the application quality requirements by yourself in advance.
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connecting

We hope that we can continue to build even better connections with new

We will continue to work together with everyone to create a better society

for good

and long-time customers alike.

for the future.

# SUSTAINABILITY

YKK manufactures more than 3 million kilometers of fasteners a year around the world. This is equivalent to more than 80 times the circumference of the earth. If such a large quantity is produced, the amount of metals, nylon and other materials used, the plating applied to sliders, the dyes used to dye tapes, and the industrial wastewater produced in the manufacturing process is also enormous. As a leading company, we are committed to the development of technologies to manufacture high-quality products, while always keeping the global environment in mind and aiming to be a company that is close to the local community.

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# sustainability vision 2050

Click here to read about the YKK Group's approach to sustainability and its initiatives.



The YKK Group has established the YKK Sustainability Vision 2050, a set of sustainability targets to achieve climate neutrality by 2050 and is working towards achieving the five themes of climate change, material resources, water resources, chemical management, and human rights., as well as ten related SDGs.



#### climate change

Tackle GHG emissions & increase use of renewable energy

In order to combat global climate change, YKK commits to greenhouse gas emissions reduction targets that are required to meet the goals of the Paris Agreement—to limit global warming to well below 2°C above pre-industrial levels and pursue efforts to limit warming to 1.5°C.







#### material resources

Increase use of sustainable materials

YKK will reduce waste and the use of petroleum derived materials throughout the lifecycle of our Fastenina products. We will contribute to the transition to a circular society by eliminating production and plastic waste and developing products designed for circularity.





#### water resources

Reduce water use & manage wastewater

To combat serious water resource depletion and degradation, YKK will reduce its water intakes and strictly manage waste-



## chemical management

Manage & reduce chemical usage

To ensure a healthy environment for future generations, YKK will reduce the environmental impact caused by chemicals used in the manufacture of our products.



#### respect people

Uphold human rights & ensure fair, safe work environments

YKK believes in the universal philosophy of respecting the dignity and rights of all human beings and is committed to contributing to a diverse and sustainable society.













# **Latest Sustaina Topics**

— Introducing the latest YKK sustainable topics —

#### TOPIC 1

Switching to sustainable materials for some of the interior packaging of fastening products



In July 2022, YKK JAPAN COMPANY (Kurobe Plant) completed the shift to biomass materials for the main interior packaging materials of its fastening products, which it had been promoting in stages since the fall of 2021. YKK JAPAN COMPANY aims to further increase the ratio of interior packaging materials made of biomass materials and to switch to sustainable packaging materials at all its global fastening business locations.

#### TOPIC 2

Real exhibitions use display fixtures made of sustainable materials





For the first in-person exhibition in three years, the company is also using environmentally friendly display fixtures. Garment display fixtures include wooden boards made from recycled laminated wood and environmentally friendly paper hangers. Special hard fiber board made mainly from recycled wood fiber is used for the item display panels, and recyclable corrugated cardboard is used for the panel stands. The panel stands are made of recyclable cardboard, and the weights used to support the panel stands are made from reused coffee bean bags.



# ■ NATULON® with Mechanically Recycled Tape REFERENCE

NATULON® product lines are designed for customers who want to increase the recycled content of their products. NATULON® Mechanically Recycled are made from recycled materials such as PET bottles using Mechanical Recycling technologies. The yarn used in the tape of NATULON® Mechanically Recycled zipper is made from more than 99% post-consumer recycled material.

#### color

Available Tape Color: Based on YKK Global Color Card (DTM available).

#### **Care information**

"For details on the recycling content, please contact your local YKK staff.

Due to the nature of recycled yarn, light colors may differ slightly from standard zipper. Please contact your local YKK staff for details."





## ■ NATULON® with Chemically Recycled Tape

"NATULON® Chemically Recycled is made from chemically recycled polyester, it is perpetually recyclable.

NATULON® Chemically Recycled reduces the need for new materials by employing advanced chemical recycling technology.

The yarn used in the tape of NATULON® Chemically Recycled zipper is made from more than 95% pre-consumer recycled material."

#### Item abailability

		Element	Tape (**1)	Recycled material ratio(**2)
	Coil Zipper	Recycled PET	Recycled PET	約93%
Chain	VISLON®	Recycled PBT	De suele d DET	約91%
Type	Zipper	POM	Recycled PET	約38%
	Metal Zipper	Brass	Recycled PET	約22%

\*1 Including the cord only for the coil zipper.

※2 Size No. 5 standard chain is used as a weight ba

#### color

Available Tape Color: Based on YKK Global Color Card (DTM available).

#### **Care information**

For details on the recycling rate, please contact your local YKK staff.

Due to the nature of recycled yarn, light colors may differ slightly from standard zipper. Please contact your local YKK staff for details.



#### GreenRise®

GreenRise® zipper is partially made with the by-product of sugar production which allows for a reduction in its petroleum usage and the associated C02 emissions.

- •Around 30%\* plant-based material used.
- •Around 30%\* reduction of petroleum use.
- \*In the case of Coil chain.

\*Bio-based synthetic polymer content ratio.

#### Item abailability

		Classification						
		Close	Open	Two-way	Chain			
	3CGR	ОК	ОК	OK	ОК			
Size/Chain Type	5CIGR	ОК	ОК	OK	ОК			
	5VS	ОК	ОК	OK	ОК			

#### color

Available Tape Color: Based on YKK Global Color Card (DTM available).

#### **Care information**

For details on the plant-based material rate, please contact your local YKK staff.

## ■ YZiP® AcroPlating® Finish Technology

YKK is proud to introduce our new AcroPlating® finishing technology, an innovative technology that does not require the use of hazardous substances, such as cyanogen and chromium. This new, sustainable process also conserves water and electricity and reduces greenhouse gas emissions.

#### Item abailability

			Classif	ication	
		Close	Open	Two-way	Chain
Size/Chain Type	3Y	OK	ОК	-	-

#### color

Available Finish: Antique Silver, Silver

#### Care information

Not recommended for luggage, bags, shoes and heavy garments.

Ensure product is completely closed when placing into a washing or drying machine.

A partially closed zipper can become entangled with other items causing damage to elements, slider or other components.







As part of our environmental activities, YKK has developed ECO-DYE® technology that—utilizing supercritical fluid dyeing ("SFD") technology—allows for the reduction of the amount of water used in the zipper dyeing process to almost zero.

This technology enables us to manufacture the same high-quality products while reducing the burden on the environment.

#### Item abailability

		Classification							
		Close	Open	Two-way	Chain				
	3C	OK	ОК	OK	OK				
Size/Chain Type	5CI	OK	ОК	ОК	OK				
	3YGR	ОК	-	-	ОК				

#### color

Color and production capacity are limited, so please contact your local YKK staff for

## ■ ECO-DYE® Grosgrain Tape REFERENCE

As part of its environmentally friendly activities, YKK is working on ECO-DYE® zippers that use supercritical fluid dyeing technology to reduce the amount of water used in the dyeing process to almost zero. This technology allows us to provide products with the same quality as normally dyed products while reducing the environmental impact. In addition to existing fasteners, we are developing grosgrain tapes dyed with ECO-DYE® technology.

#### Item abailability

Availble width:8mm、13mm

#### colo

Color and production availability are limited, so please contact your distributor or our sales representative before purchasing.

## ■ Recycled POM Cord Stopper REFERENCE

Sustainability-conscious cord stopper made of recycled plastic material. Color Variations are also available to match the fastener color.

It can be used for a wide range of apparel applications such as jackets and pants.

\* The character(s) following this code indicates a code stopper shape variation.

#### Item abailability

		Single Cord	Double Code
ltem code	WC03MS	ОК	-
	WC03MW	-	ОК
	WC05MN	ОК	ОК
	WC05MT	ОК	ОК
	WC03WT	-	ОК
	WC03WD	-	ОК

<sup>&</sup>quot;Recommended cord: Φ3.0

Please note that the variations and the type of strings may differ."  $\,$ 

#### color

YKK color card compatible

#### **Care information**

Please contact your distributor or our sales representative for precautions regarding this item prior to purchase.







#### AquaGuard® NATULON®(Chain Code:CZT\*)®

The surface of the tape is laminated with polyurethane film, and the fastener is treated to provide watertightness.

Three types of tapes are available: glossy, leather, and matte.

This item has been upgraded to improve sliding, operability, and environmental friendliness

Please contact a sales representative for details.

 ${}^{\star}\, \text{The number following this code indicates that the water repellent tape has a different texture.}$ 

#### Item abailability

		Classification								
		Close	Open	Two-way	Chain					
	3CZT8	ОК	OK	-	OK					
	3CZT10	ОК	ОК	-	OK					
Size/Chain Type	5CZT8	ОК	ОК	OK	ОК					
	5CZT9	OK	OK	OK	ОК					
	5CZT10	OK	OK	OK	OK					

#### color

KK Color Card

#501, #504, #523, #519, #527, #559, #575, #918, #558, #324, #566, #529, #545, #245, #572, #892, #828, #570, #329, #577, #578, #579, #076, #580 \*\* The color will be slightly darker than normal due to the polyurethane film treatment.

\* #xxx indicates the YKK Color Card number.

#### **Care information**

The reverse use of the zipper is standard for this product.

The product is not completely waterproof.

Be sure to perform quality verification testing in advance.

#### [Washing and Dry Cleaning]

For home laundering, close the zipper and let dry naturally. Some washing conditions may damage the film portion of the tape and reduce its water repellency.

A petroleum-based dry-cleaning solvent is recommended. Chlorine-based dry cleaning may result in a difficulty in operating the zipper, color runs, or cloudy film.

#### [Ironing]

Do not iron the zippers.

#### [Use and Storage of Products]

Do not stack the product with PVC or polyurethane products. This may result in color migration.

Do not store the product in direct sunlight. For light-colored products, their color may turn yellow.

The product may become a little cloudy with repeated bending, etc., but its water repellency remains the same.

If heat is applied to the zipper, allow it to come to room temperature before moving the slider (open/close).

 $Please\ contact\ your\ distributor\ or\ our\ sales\ representative\ for\ precautions\ regarding\ this\ item\ prior\ to\ purchase.$ 

# INDUSTRIAL MATERIALS

such as medical (healthcare), fishery and construction. The applications of these wide range of fields.

Industrial Materials	
<ul> <li>Waist Corset</li> <li>Nakayama Style BODY FRAME For Waist, Hard  </li> <li>Loop with Sewing Tabs (Item Code:IH-MDSW), POWERHOOK®</li> </ul>	P13
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■ Fishing Net

TFM	
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Strap Adjuster (Item Code:IK-SA)

VISLON® Zipper for Fishing Net No.30

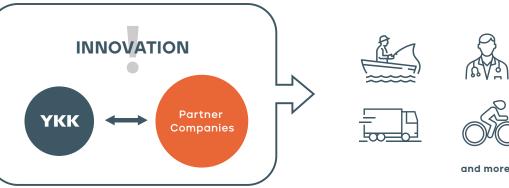
#### What are YKK Industrial Materials?





#### Collaboration with companies for a better future

To enhance the value of our customers' products, we provide quality fastening core products that satisfy our customers through outstanding service, wherever they desire. To contribute to the development of the industry as a whole, we aim to be the best partner for all stakeholders in a fair and secure relationship.











## VOICE / What a good thing, YKK

#### Here's representatives' statement from three industries.



#### Fishing Industry

#### Fasteners for Fishing Nets Evolving in the Field Contributing to Fishing Efficiency and Reducing the Environmental Impact of Fishing

I use the "No. 30 size VISLON® zipper for fishing nets." The most attractive point is that we used to catch fish by tying and opening the 12-meter-long fishing net opening with a string, but now we can open and close it with only one zipper for fishing nets. It used to take two people more than 30 minutes to tie the strings by hand, so it has not only saved time and labor, but has also made the fishing environment safer and less burdensome. Our salespeople also come to see our fishing sites, they listen to us on the ground and are easy partners to talk to." (Mr. Toshimitsu Kimura, owner of Marukyomaru Fishing Ground)



#### ာ် Sports

#### Development of a Buckle with two functions that prevents the chinstrap from loosening, which is required for bicycle helmets.

"We manufacture and sell helmets for both competition and general users. Even though the helmets look the same, the specifications are slightly different between competition and general-use helmets. We heard that the chinstrap of competition-use bicycle helmets tended to loosen easily, so we consulted with YKK to develop a buckle that would serve two purposes: to prevent the chinstrap from loosening and to accommodate two different string thicknesses, one for competition use and the other for general users. The original "anti-slip buckle" was created. Our request was technically quite advanced, but we were satisfied with the result. Moreover, the communication between the prototype and the revisions was polite and prompt." (TAKESHI Yoshida, R&D DEPT, MANAGER, OGK kabuto Co., Ltd.)



#### Construction and Civil Engineering

#### Fastening products reduce the cost of manpower and time to reduce wind resistance

As a safety measure and to prevent dust from scattering, curing sheets (construction sheets) are used at construction sites. However, when a typhoon or other storm comes, some of the curing sheets are folded up to prevent the scaffolding from collapsing, and when the wind subsides, the situation is restored and construction work resumes. This is done each time by two craftsmen, which not only imposes a site and cost burden, but also results in the work itself becoming useless once the typhoon is out of the way. Therefore, YKK fastening products were adopted so that the curing sheets could be easily opened and closed by one person. The work could be completed by one person even if a typhoon hit, thus reducing costs and improving efficiency. The development of this product was also based on feedback from the construction site, and it is truly a curing sheet that was born from the construction site" (Hisao Kurakawa, Chairman of YKK APRUXY Inc.).

Fastening Products			Industry	Application	Actual product	Issues and goals to be overcome by customers					ners		Expected effects		
Zipper image	Zipper name	Actual product				Simplified attachment/detachment	Easy zipper engagement/ disengagement	Easy assembly and disassembly/reduction in product size	Improved portability	Watertight/ airtight	Temperature control	Flame resistance	Direct effects	Indirect effects	
			agriculture	fumigation bag		0	0			0			Eliminates the hassle of sealing insecticidal operations	Improved work efficiency	
			Medical	Protective Suits		0				0			Improved safety and ease of attaching and detaching	Building a system based on infection control, comfort, and reuse	
			Medical	nursing care bathtub				0	0	0			Simplification of bathing operations, installation, and cleanup during caregiving	Reduction of work impossibility	
A CONTROL OF THE PARTY OF THE P		Waterproof and	Countermeasures against natural calamities	The Oil Fence	The state of the state of	0	0	0	0	0			Easy assembly to the required size to suit the environment	Improving disaster response capabilities	
	AQUASEAL®	flexible VISLON® zipper	Countermeasures against natural calamities	Water Barrier Gate	PIRE	0		0		0			Simplifies the work of connecting water gates and adjusting their length to suit the installation site	Improving disaster response capabilities	
			Architecture/Civil Engineering	The Underwater Construction				0		0			Improved safety of diving work, shortened construction cost and construction period	Increased productivity	
			Architecture/Civil Engineering	soundproof curtains				0		0			Prevention of sound leakage from gaps, simplified installation work	Increased productivity	
			Architecture/Civil Engineering	The Wind Pipe						0			Omission of relay fan and reduction of electric energy	CO2 reduction	
/			Marine	Dry Suits	Ser.	0				0	0		Prevention of water ingress in harsh environments (e.g., cold regions and low water temperatures)	Improved diver safety	
	PROSEAL®	Zippers that can form a completely watertight and airtight condition	Logistics	The Soft Tank				0	0	0			Easier internal cleaning of soft tanks	Improved logistics efficiency	
			Architecture/Civil Engineering	bridge maintenance	0.63 0.63 0.63 0.63 0.63 0.63 0.63 0.63		0			0			Easier removal of debris in bridge drains	Improved work efficiency	
	AquaGuard®	The surface of the tape is laminated with polyurethane film and treated to make the zipper water resistant	Countermeasures against natural calamities	Emergency Units				0	0				The scale and functionality of the air tent can be expanded freely according to the situation	Improving disaster response capabilities	
			Fishing	Set net fishing net			0						Simplified opening and closing of fishing nets	Improving productivity and ensuring operational safety	
	VISLON® Zipper for	Zippers with braided ends at both ends of the tape section for	Fishing	aquaculture net			0						The bottom of the net can be easily opened and closed, reducing workload/time	Improved safety of diving operations	
	Fishing Net	engagement with fishing nets and nets	Fishing	Large aquaculture net				0	0				Facilitates the passage of people Allowing wind to easily pass through, reducing the workload of removing and installing	Energy-saving effect of transportation, waste reduction	
			Wild Animals Damage Prevention	The Bird Prevention Net			0						Facilitates the passage of people	Sanitation, infection control, reduction of economic damage	
	Coil Zipper	Zippers with coil elements	Architecture/Civil Engineering	Building Sheet			0						Allowing wind to easily pass through, reducing the workload of removing and installing	Increased productivity	
	CONCEAL®	Zippers that do not show elements or seams on the surface	Rescue/First Aid	Full Face Helmet for Motorcycle		0							Provides opening and closing functions without compromising the design of the helmet	Enables easy, quick, and safe helmet placement and removal in an emergency	
	Flame/Heat resistant zipper	Zippers with stainless steel fiber in the tape section	Countermeasures against natural calamities	The Fire-Proof Shutters			0					0	Flameproof	The zipper acts as a pillar, so installation in a small space is expected	
	Loop with Sewing Tabs (Item	Zippers that engage on	Medical	Waist Corset		0							Durable hook and loop fasteners ensure that there is no loss of retention engagement strength after repeated use	Lint is less likely to get entangled in the hooks when washing	
	Code:IH-MDSW) , POWERHOOK®	the surface	Logistics	Constant Temperature Cold Storage Containers			0		0		0		Durable hook and loop fasteners allow for repeated opening and closing of the lid on temperature-controlled transport containers	Made reusable	

#### Waist Corset Nakayama Style BODY FRAME For Waist, Hard | Loop with Sewing Tabs (Item Code:IH-MDSW), POWERHOOK®







Provided by: Nakayamashiki Industry Co.,Ltd.

A waist corset to hold the waist area. The pulley type auxiliary belt is firmly fixed even with small force. Sewing loops are used for the pulleys of Nakayamashiki Industry Co.,Ltd.'s corcet, which prevents the auxiliary belt from turning or slipping. In addition, the auxiliary belt uses the thin continuous injection hook and loop fastener POWERHOOK® (Item Code: 1QCLF). One of the reasons why 1QCLF is suitable for this application is that there is no decrease in holding strength even after repeated use, and lint and other debris do not easily get caught in the hook when it is washed..

The loop and the webbing for fixing are integrated with the plastic tab. Since the plastic tab can be directly sewn on with a sewing machine, it is expected to reduce garment manufacturing costs and webbing materials costs. In addition, the appearance will look neat

POWERHOOK® fastener (Item Code: 1QCLF) is a continuous-injection type hook and loop fastener. A thin type (1QCLF×2QNC) that is about 40% thinner than the conventional woven type(1QN-N×2QN). The finished surface is smooth and feels great against the skin, and lint does not easily become entangled during washing. The durability, which has been a weak point of woven products, has been dramatically improved, and there is almost no decrease in strength after a JIS-L-3416-2000 durability test of 5000 times. Polyester elastomer for flexibility and garment manufacturing is also possible.

#### Passive exoskeleton suit for standing works archelis FX | One-hand Operated Buckle (Item Code: IB-KT)





Worn on the lower body during long hours of standing work, these assistive suits support body weight with the shins and thighs to reduce the burden on the legs and back. Among standing jobs, we are developing assistive suits for workers in inspection and assembly processes in the manufacturing industry, and for surgeons who perform surgery.

This product has three features: "can walk while wearing the device," "can be used without power," and "can be easily put on and taken off."

Among standing jobs, there are many jobs in manufacturing plants that require frequent walking, and in some cases, motor-driven products cannot be used in the plant, so the features of "walkability" and "powerless operation" are highly supported by users.

In addition, one-hand-operated buckles on the shin and thigh were adopted to meet the demand for ease of daily donning and doffing. This enables "easy on/off" and improves user convenience.

Unlike the two-handed type where the plug and socket are combined with both hands, this buckle is combined by simply pushing the socket into the plug from above with one hand.

There are two types of plug fixation, rivet type and sewn type, which are compatible with sockets and can be recombined according to the application.



#### Clavicle fixation band EASY CLAVICLE BAND | One-hand Operated Buckle (Item Code:IB-KT)







A clavicle fixation band is a corset used for post-repositioning immobilization of a clavicle fracture. Conventional clavicle fixation bands are fixed under the guidance of a physician and require the assistance of another person to put on and take off at home. This product uses a one-handed operation buckle, which allows the patient to easily put on and take off the immobilizing band by himself/herself. The one-handed operation buckle is not made of metal, so it is safe to use for medical equipment examinations while wearing the belt.

Unlike the type in which the plug and socket are combined with both hands, this buckle is combined by simply pushing the socket into the plug from above with one hand.

It can be easily operated in healthcare and sports applications where one hand is occupied.

There are two types of plug fixation, rivet type and sewn type, which are compatible with sockets and can be recombined according to the application.

#### Light flexion knee joint support band KNEEBRACE • FX | Curved sewing loop (Item Code: IH-MDSW-C)





The knee brace series is a product developed to support the knee joint. The design is aimed at improving wearability and comfort.

The curved sewing loop (Item Code: IHMDSW-C), like its sister product the sewing loop (Item code: IHMDSW), is a loop and fixing webbing integrated with a plastic tab.

The loops expand and contract according to the tension applied to the tape, which enhances the fit of the tape to the body.

In addition, the loop is angled to make it easier to pass the tape through.

#### Curing Sheets Coil Zipper No.10



Curing Sheets surround a building site to prevent tools and the like used at the building site from accidentally falling outside of the site. Tarpaulins, meshes, and other fabrics are used for different purposes. Coil zipper No. 10 has been adopted for this building sheet. The zippers are sewn into the sheet in a U-shape to allow for easy opening and closing during strong winds. As a new application, the zippered sheets can also be used as a temporary partition on the balcony of an apartment building. This makes it easier for workers to come and go when repairing apartments.







#### Curtain Runners / Lace Curtain ZIPcurtain® | Plastic fastener (Item Code: 2SL) Lace Curtain | Curtain hook (Item Code: 1QICK, 1QICR)







Provided by (Curtain rail): SHY Co., Ltd. Provided by (Lace curtain): Kashihara Co., Ltd.

The ZIP curtain® fastener is made with a newly developed runner technology using fasteners, which significantly reduces operating noise compared to conventional curtain rails. Since the curtains do not cause stress to the surrounding environment, they are ideal for places where the sound of curtain operation is bothersome, such as hospitals, libraries, nursery schools, bedrooms, and Internet cafes.

#### Lace curtains (washable)

With conventional curtains, curtain hooks are inserted into the curtain fabric, and the curtain hooks are pulled out from the curtain one by one when the curtain is removed and washed.

In hospitals and other scenes where laundry is frequently washed, a lot of labor is required for replacement work.

In this product, hook and loop fasteners are sewn onto the curtain, and curtain hooks (Item Code: 1QICK, 1QICR) are attached to the hooks. This allows for easy removal and installation and is recommended for medical facilities that frequently wash their curtains.

#### Plastic fastener (Item Code: 2SL)

PF (Item Code: 2SL) is more flexible than metal or VISLON® fasteners because of its continuous elements.

#### Curtain hook (Item Code: 1QICK, 1QICR)

Curtain hooks (Item Code: 1QICK, 1QICR) are hook and loop fasteners with injection molded hooks. The curtain hooks can be easily attached and removed as long as the hook and loop fastener loop is present on the curtain. A variation of curtain hooks (Item Code: 10ICR), in which the hook part is hidden, is also available.

#### Item Code: 20N15

The loop surfaces of YKK® hook and loop fasteners are lined up at 15 cm intervals. The product should be sewn on the upper part of the curtain to facilitate curtain removal during washing.

"ZIPcurtain" is a registered trademark of Hayashiguchi MFG CO.,LTD

#### ■ The Underwater Construction **AQUASEAL®**







Provided by AZAI gijyutu consultant INC., OCEAN WORKS ASIA INC., MIKUNIYA Construction Co., Ltd., KANBO PRAS Co., Ltd.

This is an example of the underwater construction method "NETIS No.\_KK200037-A." (There are no English name for this method. The direct translation would be "Temporary cofferdam waterproof sheet construction method").

Underwater construction has problems like decreasing number of workers, tight construction period, cost, and safety issues due to the conditions of construction sites (water clarity, water flow speed, water temperature, etc.).

"Temporary cofferdam waterproof sheet construction method" was developed to solve those problems by improving technology.

In order to create a dry environment inside the frame of the temporary cofferdam (a temporary structure built for the purpose of temporarily blocking the flow of water), the liner plate \*1 is covered with a waterproof sheet to stop the water flow and AQUASEALe\*2 zipper is used on the waterproof sheet. Since the waterproof sheet can be divided into sections, the underwater work\*3 of the worker can be minimized and the safety of underwater construction is improved, leading to a 20% reduction in construction costs and time  $^{\star\prime}$ 

- \*1 Liner plate: A type of construction material
- \*2 This "Temporary cofferdam waterproof sheet construction method" uses AQUASEAL® zipper, size No. 10 (10 VFWB Guaranteed Airtightness (time of production) 0.03 MPa)).
- \*3 "NETIS No. KK200037-A" is a method used in Japan.
- \*4 Calculated by AZAI gijyutu consultant INC.
- We propose products that are suitable for the customer's purpose of use. Please contact us before purchasing.
- We ask our customers to verify the application's performance and quality requirements

Bicycle helmet AERO-R2 | Tape Locking Buckle(Item Code:IB16RK)





Provided by: OGK Kabuto Co., Ltd.

This is a bicycle helmet that applies the know-how of aero helmets for trucks. The shell design is narrowed down to the utmost limit to reduce air resistance not only when riding straight ahead, but also in crosswinds and when looking backward. The chinstrap is equipped with an anti-slip buckle (Item Code: IB16RK) and has a locking mechanism to reduce loosening of the chinstrap.

Unlike conventional buckles, the anti-slip buckle (Item Code: IB16RK) prevents the tape from slipping. To tighten the tape, pull the tape tight; to loosen the tape, pull the tab up. When you release the tab, the buckle automatically locks.

YKK not only can put the customer's requested logo mark on the product, but also provides integrated services from planning to development and production of fastening products according to the customer's request. The anti-slip buckle (Item Code: IB16RK) is one such product, which was developed exclusively for YKK in response to customer requests. Please contact YKK for more information.

"Koala Ultra Mesh EX" is a 4-way waist belt type baby carrier that

can be used from newborn (2.5 kg) to 36 months. It was created based on the ideal of the koala, which is also known as a "guardian bear" for raising its young. The back part, where babies tend to sweat, is made of ultra mesh for excellent air permeability. It is machine washable, so it can be used anytime for cleanliness. Buckles (Item Code: IB-SA) and strap adjusters (Item Code: IK-SA),

Buckles (Item Code: IB-SA) and strap adjusters (Item Code: IK-SA) are Safety Series (SA). The Safety Series (SA) is manufactured on a production line without human intervention to prevent human error. In addition, the use of high-grade polyacetal plastic products provides higher lateral tensile strength. We recommend this

#### Hug string Koala Ultra Mesh EX | Buckle (Item Code:IB-SA), Strap Adjuster (Item Code:IK-SA)



product for products that require safety, such as baby carriers and life jackets.

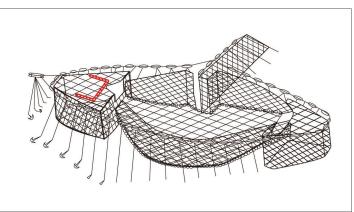
called Safety Series (SA), are used in this product.



Provided by: Newell Brands Japan G.K

## Fishing Net VISLON® Zipper for Fishing Net No.30







A fishing net is a type of fishing gear used to catch fish. Among fishing nets, fixed nets are used to catch fish that are guided by nets, which are set in places where fish migrate for a certain period of time. Set-net fishing is said to have less impact on the sea compared to other fishing methods because it is devised not to damage fish or catch smaller fish by the mesh of the net. Zippers for fishing net are used to remove the fish from the fixed nets. Opening and closing fixed nets with zippers saves time and makes it easier to take out the fish compared to opening and closing nets by conventional cord.

The fishing net zipper is braided at both ends of the tape section to allow for engagement with the fishing net. The largest VISLON® zipper, size No.30, has stainless steel elements for repair, so it can be repaired on board if the elements are damaged, making it easy to maintain.

- $\bullet \ \text{We propose products that are suitable for the customer's purpose of use. Please contact us before purchasing.}$
- We ask our customers to verify the application's performance and quality requirements.



#### ■ CONCEAL® for Car Seats

CONCEAL® zipper (Item Code: 5CCPLF8) designed to use for car seats is now available. The CONCEAL® zipper (Item Code: 5CCPLF8) brings true invisibility to the seam lines, and results in a clean, crisp and tight interior seating appearance.

You can use this product not only for the seats themselves, but also the interior, such as the head and arm rests to enhance and gain a more attractive appearance.



#### **Care information**

Please contact your sales representative for details.



#### Coil Zipper Standard for Car Seats

A coil zipper is made of spiral plastic elements such as polyester.

This is the most popular zipper among YKK three zipper types.

It is versatile and can be used in anything from apparel to luggage to sporting goods and even automobiles.

Expand your possibilities with our coil zippers.

#### Item abailability

Available for size #3, #45, #5 Coil Zipper Standard for Car Seats.



#### Care information

 ${\it Please contact your sales representative for details.}$ 

 $\overline{C}$ 

## QUICKFIT®

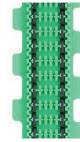
QUICKFIT®hook is an effective and efficient seat tie down system for automotive seats. Its design accommodates curve lines and also provides long and joint-less seam lines. Its excellent self-alignment capability helps shorten the time required to install. The loop is able to be used from the outside of the seat cover. It is recommended to be used with QUICKLOOP® loop.

#### Item abailability

Straight type&Flexible type

#### Care information

Please contact your sales representative for details.



Straight typ

#### QUICKLOOP®

QUICKLOOP® loop is used to tie-down seam lines for car seats with QUICKFIT® hook. Easily attaches to QUICKFIT® hook. QUICKLOOP® loop soft touch and design makes it easier to use and provides reliable consistent usage.

#### **Care information**

Please contact your sales representative for details.

#### ■ EZ-CLIP®

EZ-CLIP® suspender with clips is used to tie-down seam lines for car seats and helps provide a better fit for an easy assembly. Its design provides a narrow and deep trench for the sharp line. It allows for seam lines to curve to provide a wrinkle-free overall better fit. There is no need for use of a C-ring gun.

#### Care information

Please contact your sales representative for details.

# **FASHION**

Today, the fashion business industry is facing increasingly diverse consumer needs, and there is a growing demand for faster product development and sustainable products.

We will continue to improve our technical capabilities and take on new challenges in order to provide the products that more and more customers are demanding.

#### APPARREL

■ Cord Adjusting Zipper	P2 <sup>-</sup>
■ Slider Replaceable Top Stop	P2 <sup>-</sup>
■ AquaGuard® with Metallic Film	P22
■ FLATKNIT® AquaGuard®	P22
■ CONCEAL® No. 3 with Silicone Coating	P23
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■ CONCEAL® Slider with Staydown Puller	P24
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■ FLATKNIT® with Narrow Tape	P29
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■ AiryString® (Item Code: 5VS)	P30
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#### **BAG** & SHOES

■ Coil Zipper with Semi-Automatic Slider No.8	P30
■ Buckle with Y-Shaped Design (Item Code: LB-LG*)	P32
■ EXCELLA® with Stainless Steel Elements	P32
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■ Durable Cord Stopper (Item Code: FC02VX)	P34
■ Reverse Use Slider for bag	P3
■ Magnet Assist Buckle (Item Code: LB-MX)	P3
■ AquaGuard® with Flat Design	P36





#### **■** Cord Adjusting Zipper

This product combines the CONCEAL® zipper size No.3 with plastic parts to enable squeezing of garment hoods and cuffs as a substitute for cord stoppers. Since the cords are tucked inside the garment, there is no need to worry about them getting caught, and a sleek look can be achieved. This is a semi-automatic slider with an added feature to reduce wobble of the pull.

#### Item abailability

		Classification			
		Close	Open	Two-way	Chain
Size/Chain Typ	3CC	OK(**)	-	-	ОК

※ Code: BTM-0 only

#### color

- Chain: YKK Color Card compatible
- Sliders: Silver, black silver, antique silver
- Plastic parts: #580 (For other colors, please contact our sales representative.)
- \* #xxx indicates the YKK Color Card number

#### Care information

Please contact your distributor or our sales representative for precautions regarding this item prior to

#### ■ Slider Replaceable Top Stop

If slider is damaged due to industrial washing or pop open is caused by abrasion, it is possible to replace the slider with a new one from the slider replaceable top stop. This reduces the time and cost associated with repairs compared to conventional slider replacement methods.

#### Item abailability

		Classification				
		Close	Open	Two-way	Chain	
Size/Chain Type	45C	-	OK(*)	-	-	

Only for back use OR (right insertion only)

#### color

YKK color card compatible

#### **Care information**

This item is not CPSC (the U.S. Consumer Product Safety Commission) compliant. Due to the characteristics of plastic slider, abrasion resistance is inferior to that metal sliders. Please note that abrasion of slider can be the cause of pop open in applications with long or curved parts

This is a top stopper specification that allows slider replacement. Please keep in mind that the slider can be pulled out, unlike normal products.

Please contact your distributor or our sales representative before purchasing.

Top extension is shorter than standard. (approx. 20 mm ,⇒ approx. 16 mm)

When sewing, please bend top extension above its top stop, where slider can be replaced.



# ■ AquaGuard® with Metallic Film

AquaGuard® zipper in metallic colors.

Three colors are available: light gold, silver, and dark silver.

#### Item abailability

		Classification				
		Close	Open	Two-way	Chain	
Size/Chain Type	5CNT9	OK(*1)	OK(**2)	OK(**2)	ОК	

%1 This product does not have a top and bottom stop.

\*2 Code: OR (right insertion) only (upper stop: plastic injection, reverse opening tool: metal)

#### color

YKK Color Card numbers:

- Light gold #509
- Silver #329
- Dark Silver #394
- \* Please contact your sales representative for details.
- \* #xxx indicates the YKK Color Card number.

#### **Care information**

The reverse use of the zipper is standard for this product.

This zipper is not completely waterproof

Be sure to perform quality verification testing in advance.

#### [Washing and Dry Cleaning]

For home laundering, close the zipper and let dry naturally. Some washing conditions may damage the film portion of the tape and reduce its water repellency

A petroleum-based dry-cleaning solvent is recommended. Chlorine-based dry cleaning may result in a difficulty in operating the zipper, color runs, or cloudy film.

#### [Ironing]

Do not iron the zippers

#### [Use and Storage of Products]

Do not stack the product with PVC or polyurethane products. This may result in color migration.

Do not store the product in direct sunlight. For light-colored products, the color may turn yellow.

The product may become a little cloudy with repeated bending, etc., but its water repellency remains the same. If heat is applied to the zipper, allow it to come to room temperature before moving the slider (open/close).

Please contact your distributor or our sales representative for precautions regarding this item prior to purchase.

## ■ FLATKNIT® AquaGuard®

Water repellent AquaGuard® zipper is now available in a new series, FLATKNIT® tape. FLATKNIT® braided tape that is flexible, lighter and thinner, making this zipper more suitable for sports, outdoor activities, business situations, and children's wear than regular AquaGuard® zippers. It has a special slider with an insertion assist function, making it easy for all ages to use.

#### Item abailability

		Classification				
		Close	Open	Two-way	Chain	
Size/Chain Type	45FKT10	OK	ОК	-	ОК	

Based on YKK Color Card

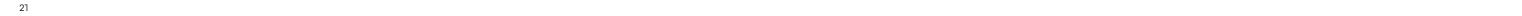
#076, #245, #324, #329, #501, #504, #519, #523, #527, #529, #545, #558, #559, #566, #570, #572, #575, #577, #578, #579, #580, #828, #892, #918

\* #xxx indicates the YKK Color Card number

Please contact your sales representative for details.

#### Care information

This product is not completely waterproof. Special Collection from Japan. For precautions regarding this item, please contact your distributor or our sales representative before purchasing.



23





CONCEAL® zipper is characterized by the fact that the zipper element is not visible. By coating the center of the tape with silicone, we have created a stylish design not seen in conventional CONCEAL® zippers. Its use on the pockets of sportswear and outerwear accentuates and enhances the overall design of the garment. This product is not limited to sportswear, but can also be used to add a little accent or playfulness to the seamless designs that have continued to be popular in recent years.

#### Item abailability

		Classification				
		Close	Open	Two-way	Chain	
Size/Chain Type	3CC	OK	-	-	-	

#### color

Based on YKK Color Card #580, #501, #519, #560, #076 \*\* #xxx indicates the YKK Color Card number Please contact your sales representative for details.

#### **Care information**

Special Collection from Japan. For precautions regarding this item, please contact your distributor or our sales representative before purchasing.

# ■ CONCEAL® No. 2 with Flexible Knitted Tape REFERENCE

CONCEAL® BPR zipper tape is a more flexible and stretchable tape for CONCEAL® zippers.

CONCEAL® No.2 with flexible knitted tape maintains the strength of the elements while achieving even greater flexibility, reducing the stiffness of the zipper when worn.

#### Item abailability

		Classification			
		Close	Open	Two-way	Chain
Size/ Chain Type	CONCEAL® No. 2 with Flexible Knitted Tape	OK	-	-	-

#### color

 $\divideontimes$  Please contact our sales representative for available colors.

#### **Care information**

Please contact your distributor or our sales representative for precautions regarding this item prior to purchase.



## ■ CONCEAL® Slider with Staydown Puller

The CONCEAL® Slider with Stay-down Puller is a product with an added function to reduce the wobble of the puller by providing moderate resistance to the contact area between the puller and the slider column. Since the puller does not sway easily, it does not get in the way even when attached to a garment for sports.

#### Item abailability

		Classification				
		Close Open Two-way Chai				
Size/Chain Type	3CH(CC)	OK	-	-	-	

#### color

Drawer pull color
DFYK395A Black # 580
DFYK395D White # 501
DFYK395E Red # 519
DFYK395F Navy Blue # 560
DFYK395G Gray # 578
DFYK395H Blue # 918

\*\* # ~ Indicates the color number.

#### **Care information**

There is no lock function with this slider.

Due to the characteristics of CONCEAL® zipper sewing, when used on thick fabric or knit fabric, it may lead to cloth fraying or abrasion. In addition, thicker fabrics may cause heavier sliding, and areas with fabric switching may cause poor operability, and in some cases, damage may occur, so please check beforehand. If force is applied to the puller, the puller may deform. The material of the puller is polyacetal. Currently, other materials are not available.

#### ■ Coil Zipper No. 3 with Insert Support Slider

This zipper has an insertion support function that allows the insert pin to be inserted from the underside of the slider. By enlarging the underside of the slider opening, it is easier to insert the insert pin with a wider angle than before.

#### Item abailability

		Classification			
		Close Open Two-w			
Size/Chain Type	3C	-	ОК	-	

#### color

YKK color card compatible

#### Care information

Please note that this item does not meet CPSC's (U.S. Consumer Product Safety Commission) torque & tension standards, so please use caution when using this product for children. Special Collection from Japan. For precautions regarding this item, please contact your distributor or our sales representative before purchasing.

#### ■ click-TRAK®

click-TRAK® zipper features a new and easy way to close a zipper. Instead of inserting the pin into the slider to close it, pressing the zipper like a snap button makes it easy to operate. This product is ideal for use in sportswear and children's wear, as well as for use by the elderly and people with disabilities.

#### Item abailability

		Classification				
		Close	Open	Two-way	Chain	
Size/Chain Type	5VS	-	OK <sup>(*)</sup>	-	-	

\* Available in No.5 open-end (Left hand insertion type).

#### color

YKK color card compatible

#### **Care information**

Special Collection from Japan. For precautions regarding this item, please contact your distributor or our sales representative before purchasing.



#### ■ VISLON® with Magnetic Closure

VISLON® with Magnetic Closure zipper is a product that has magnets embedded in the left and right openings. The magnetic force of the magnets allows the zipper to be closed simply by bringing the openings closer together. Because it is easy to operate without looking at the product, it is expected to be used in a wide range of fields, including for quick clothing changes in sportswear, children's wear, and universal fashion.

#### Item abailability

		Classification				
		Close	Open	Two-way	Chain	
Size/Chain Type	5VS	-	OK(*)	-	-	

# Available in No.5 open-end (Left hand insertion type).

#### color

YKK color card compatible

#### **Care information**

Special Collection from Japan. For precautions regarding this item, please contact your distributor or our sales representative before purchasing.





#### ■ HOOK with Magnet

YKK offers not only zippers but also various other fastening items. MAG-HOOK® hook fastener uses magnets and can be sewn. When the parts are brought close to each other, the magnet automatically mates them. This makes it easier to open and close pants and other clothing or bags. The design is easy for children and the elderly to operate, and it is also suitable for sportswear that requires smooth opening and closing. Since the material and shape can be sewn by hand, it is also recommended for replacement purposes in pants.

#### Item abailability

For tape width of 25 mm or more.

Product Dimensions: Length 31 mm x Width 24.5 mm x Thickness 7 mm

#### color

Black

#### Care information

This product contains a magnet. Placing this product near a pacemaker may cause the pacemaker to malfunction. If this product is subjected to a strong shock, it may be damaged and the magnet may be exposed. If swallowed by mistake, seek medical attention immediately. Because this product uses magnets, it cannot be used for meter reading.

 $Shipping \ by sea \ or \ truck \ is \ the \ standard \ method \ of \ transportation. \ In \ the \ case \ of \ air \ transportation, \ special \ packaging \ is \ required.$ 

 $When \ displaying \ this \ product \ in \ stores, \ please \ be \ sure \ to \ attach \ the \ attached \ tag \ to \ the \ final \ product.$ 

 $Special \ Collection from \ Japan. For precautions regarding this item, please refer to the following link. \\ https://www.ykkfastening.com/products/search/detail.html?pdid1=MAG-HOOK(R)+(Item+Code%3a+WB-MG) link. \\ https://www.ykkfastening.com/products/search/detail.html?pdid1=MAG-HOOK(R)+(Item+Code%aa+WB-MG) link. \\ https://www.ykkfastening.com/products/search/detail.html?pdid1=MAG-HOOK(R)+(Item+Code%aa+WB-MG) link. \\ https://www.ykkfastening.com/products/search/detail.html?pdid1=MAG-HOOK(R)+(Item+Code%aa+WB-MG) link. \\ https://www.ykkfastening.com/products/search/detail.html?pdid1=MAG-HOOK(R)+(Item+Code%aa+WB-MG) link. \\ https://www.ykkfastening.com/products/search/detail.html?pdid1$ 



#### ■ METALUXE® Tough

METALUXE® Tough provides your luggage & packs with a classic, high-quality metal zipper look, but with half the weight! METALUXE® Tough is about 56% lighterweight compared a our standard metal zipper (Item Code: RG) size #5, but stronger than a typical VISLON® injection molded zipper due to its unique construction.

#### Item abailability

		Classification			
		Close	Open	Two-way	Chain
Size/Chain Type	5VDCM	ОК	OK(*)	OK	OK

※ Code: OR (Right-insertion only)

#### color

Elements: antique gold, antique silver, metallic black Available Tape Color: Based on YKK Global Color Card (DTM available).

#### Care information

YKK always recommends testing product prior to bulk adoption. Please contact your YKK rep for more information.



#### ■ METALUXE®

METALUXE® zipper is a VISLON® zipper that features a slimmer element shape and metallic element to achieve an elegant & luxurious metal look, with less weight as it uses plastic material instead of metal! METALUXE® zipper is available in a wide variety of metal finish colors, as well as colorful metallic, pearlized & combination color variations in sizes #3, #5 and #8.

#### Item abailability

		Classification				
		Close	Open	Two-way	Chain	
	3VY	OK	-	-	-	
	5VY	ОК	ОК	OK	-	
	8VY	ОК	ОК	OK	-	
Size/ Chain Type	3VYQ	ОК	-	-	-	
	5VYQ	ОК	ОК	OK	-	
	5VYX	ОК	ОК	OK	-	
	5VYP	OK	ОК	ОК	-	

#### color

- Tape: YKK Color Card compatible
- Elements: Please contact our sales representative for details

#### **Care information**

METALUXE® zipper is not available for reverse usage and has slightly lower strength properties than that of a standard metal or VISLON® zipper item. Not recommended for use on luggage or footwear.

#### ■ METALLION®

METALLION® zipper is a coil zipper with metallic color elements.

The elements come in shiny and matte type.

The shiny type will be an attention grabber on your garment, while the matte type can add a vintage look on your garment.

#### Item abailability

		Classification			
		Close	Open	Two-way	Chain
Size/	3CM/3CMV	OK	ОК	-	OK
Chain Type	5CNM/5CNV	OK	ОК	OK	OK

#### color

- Tape: YKK Color Card compatible
- Elements::

[Standard] Silver, gold, nickel, antique nickel, black nickel, gunmetal, copper, antique copper

[Matte type] Antique silver, antique gold, matte black

#### Care information

 $Since strength is lower than standard items, please check the application and have the buyer test the item before use. \\ Plating on the element will come off if cleanser with hydrofluoric acid is used. \\$ 



## ■ METALLION® Reverse-Use Split Type

METALLION® reverse split type features sparkling elements that can be seen between the tapes.

The subtle peek of brilliance adds an elegant accent. Matte type is also available.

#### Item abailability

		Classification			
		Close	Open	Two-way	Chain
	3CMR	ОК	-	-	OK
Size/ Chain Type	5CNMR	ОК	OK(*)	OK(*)	ОК
	5CNVR	-	OK(**)	-	OK

※ Code: OOR (Right-insertion only)

#### color

- Tape: YKK Color Card compatible
- Elements

[Standard] Silver, Gold, Black Nickel, Copper

[Matte] Antique gold, matte black

#### **Care information**

Since the strength of this product is lower than that of the standard product, please confirm the intended use and conduct a test in advance. Use of detergent containing hydrofluoric acid will cause the plating on the element to peel

For reverse use specifications, it is necessary to specify sewing thread of the same color as the tape. For a bag application, please consult our sales representative.

#### ■ Coil Zipper Reverse-Use Split Type

The key point of this design is that the element color is subtly visible between the tapes. The thin lines accentuate the product and are recommended for products with simple designs.

#### Item abailability

		Classification				
		Close	Open	Two-way	Chain	
Size/	3CFC	ОК	-	-	OK	
Size/ Chain Type	5CNFC	ОК	OK	-	ОК	

#### color

- Tape: YKK Color Card compatible
- Elements: No. 5 size 8 colors / No. 3 size 2 colors

#### Care information

Since the strength of this product is lower than that of the standard product, please confirm the intended use and conduct a test in advance. Use of detergent containing hydrofluoric acid will cause the plating on the element to peel.

For reverse use specifications, it is necessary to specify sewing thread of the same color as the tape.

For a bag application, please consult our sales representative.

## ■ FLATKNIT® with Narrow Tape

This is FLATKNIT® zipper with a narrow tape developed for pants. By sewing the narrow zipper tape directly above the outer fabric, the zipper fly is no longer necessary, and the sewing process can be reduced. The thickness of the fabric at the sewn part of the zipper becomes thinner, which makes the silhouette of the pants look more beautiful. Special Collection from Japan. For precautions regarding this item, please contact your distributor or our sales representative before purchasing.

#### Item abailability

		Classification				
		Close	Open	Two-way	Chain	
Size/Chain Type	25FK	-	-	-	OK(**)	

- \* Only chains (in 100m increments) and sliders are available for sale; orders for finished products cannot be

#### color

YKK Color Card

#501, #801, #503, #828, #568, #841, #540, #030, #547, #560, #519, #573, #884, #392, #306, #169, #075, #580, #578, #168, #158, #870, #890, #010, #896, #306

- \* The color will be slightly darker than normal due to the polyurethane film treatment.
- \* #xxx indicates the YKK Color Card number.

Depending on the settings of your sewing machine, there may be a slight deviation from the proper sewing position. If necessary, please adjust your sewing machine so that the sewing machine needle falls in the appropriate position. We  $recommend \ the \ use \ of \ a \ special \ sewing \ machine \ holder \ and \ slider \ threading \ jig. \ Please \ consult \ our \ sales \ representative$ 

Please contact your distributor or our sales representative for precautions regarding this item prior to purchase.

#### ■ Coil Zipper with Narrow Tape

Thinner zipper tapes are expected to give the product a more flattering silhouette. Since the piping treatment process is no longer necessary, it also leads to a reduction in the sewing process.

#### Item abailability

		Classification				
		Close	Open	Two-way	Chain	
	3C	ОК	-	-	-	
Size/Chain Type	45C	OK	OK	-	-	

#### color

YKK Color Card compatible

#### Care information

Depending on the settings of your sewing machine, there may be a slight deviation from the proper sewing position. If necessary, please adjust your sewing machine so that the sewing machine needle falls in the proper position Please contact your distributor or our sales representative for precautions regarding this item prior to purchase



## ■ AiryString® (Item Code: 5VS)

AiryString® zippers were created through the development of a tapeless zipper and a specialized sewing machine that allows the elements to be sewn directly onto fabric. The result is a seamless integration of the fastener and fabric, offering unprecedented design possibilities for the products of customers who use it. Other features of the AiryString® zipper include the elimination of tape, which contributes to weight reduction of the final product. It is also highly flexible and easily adapts to

Unlike ordinary fasteners, each part of this item is delivered from YKK and sewn by a special sewing machine.

We will work with you on the schedule until you adopt the AiryStryng® zipper, from the sewing prototype to the installation of a special sewing machine in your sewing factory to the start of operation.

Regular products (ver. 4) and environmentally friendly products (ver. 5) are available.

#### Item abailability

		Classification				
		Close	Open	Two-way	Chain	
Size/Chain Type	5VS	-	OK	-	-	

#### color

- ver4.0\*: YKK Color Card compatible
- ver5.0: Please contact our sales representative for details

#### **Care information**

Please keep in mind that this item is a tapeless product and requires more detailed consideration of fabrics, sewing specifications, and sewing threads than fasteners with tapes.

We will support you in considering fabrics, AiryString® zipper sewing specifications, and sewing threads, but when finalizing specifications, please conduct the quality test recommended by us in advance and consider the results based on the quality results.

Since sewing fabrics with large elasticity, switching of different materials, and matching of left and right patterns are highly difficult, please contact our sales representatives in advance when considering sewing specifications and fabrics.

#### Coil Zipper with Semi-Automatic Slider No.8

Semi-Automatic Slider is a type of slider with a spring-loaded puller position that locks when the puller is lowered and unlocks when the puller is raised. The Semi-Automatic Slider is now available in the No. 8 size coil fastener.

#### Item abailability

		Slider
Size/Chain Type	8C	DS(*)

\* Please consult your sales representative for puller variations.

\* Please contact our sales representative for details.

#### **Care information**

Please contact your distributor or our sales representative for precautions regarding this item prior to purchase.









The metal part of the pull can be seen through the urethane material covering the metal part. We have newly designed a pull with a distinctive metal base (Model No. FC23-07) and a carbon pattern (Model No. FC23-08) to accentuate the garment. Please feel free to contact us with your requests for the design of the metal part and the color of the urethane material.

#### color

\* Please contact our sales representative for details.

#### **Care information**

 $Please\ contact\ your\ distributor\ or\ our\ sales\ representative\ for\ precautions\ regarding\ this\ item\ prior\ to\ purchase.$ 





#### ■ Pulls for CONCEAL®

A new design has been added to the pulls for the CONCEAL® zipper. This design makes the puller easy to hold. Its stylish design makes it a good choice for outdoor sports applications.

#### color

\* Please contact our sales representative for details.

#### **Care information**

Please contact your distributor or our sales representative for precautions regarding this item prior to purchase.





#### ■ Universal design pull REFERENCE

We designed the zipper so that it can be opened and closed not by "pinching" the pull, but by "hooking" it. We are aiming to expand the product to the elderly and people with hand disabilities, and children's wear.

#### color

\* Please contact our sales representative for details.

#### **Care information**

 $Please\ contact\ your\ distributor\ or\ our\ sales\ representative\ for\ precautions\ regarding\ this\ item\ prior\ to\ purchase.$ 





### ■ Buckle with Y-Shaped Design (Item Code: LB-LG\*)

A hole is drilled in the plug and a Y-shaped cut is made in the socket for a lighter appearance. The tip of the plug has been modified in such a way that the socket does not get stuck in the plug, enabling smooth insertion.

The wall thickness of the socket has been increased by 15%\*2 to increase overall rigidity.

- \*1 The shape varies depending on the letter that follows.
- \*2 Compared to Item Code: LB20LV.

#### Item abailability

		Size				
		16mm	20mm	25mm	30mm	38mm
	LB-LG	ОК	OK	-	-	-
Item code	LB-LGD	ОК	OK	ОК	ОК	ОК
	LB-LGS	-	-	-	ОК	ОК
	LB-LGW	OK(**)	OK(**)	-	-	-

\* Under development as of August 2022.

#### color

\* Please contact our sales representative for details.

#### **Care information**

Please contact your distributor or our sales representative for precautions regarding this item prior to

#### ■ EXCELLA® with Stainless Steel Elements REFERENCE

This fastener is made of stainless steel in pursuit of higher corrosion resistance

Due to the characteristics of stainless steel material, it has superior corrosion resistance and scratch resistance compared to brass material, so it can be glossy without surface treatment.

Stainless steel material can be used for top stops, bottom stops, and sliders.

#### Item abailability

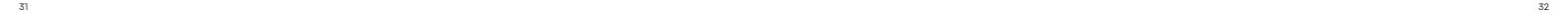
		Classification				
		Close	Open	Two-way	Chain	
Size/Chain Type	5	OK	-	-	ОК	

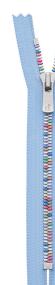
#### color

- Element: Silver
- Tape: YKK Color Card compatible

#### Care information

Please contact your distributor or our sales representative for precautions regarding this item prior to purchase.





#### ■ EXCELLA®

EXCELLA® zipper is the highest grade metal zipper with fully polished elements. The shiny beautiful look creates a luxury appearance to clothes or handbags. Items are available in a variety of surface colors including silver, gold, and antique finish. There are two types of element shapes, a common single type and a luxury double type. Double sliders can be used. EXCELLA® NATULON® chemically recycled zipper is also available. The yarn used in the tape is made from 97% pre-consumer recycled material.

#### Item abailability

size	Elements		Cla	assificati	on
SIZE	Elelli	ients	Close	Open	Two-way
2	single	SG	ОК	ОК	-
3	single	SGY	ОК	ОК	-
3	double	SGW	ОК	ОК	ОК
5	single	SGY	ОК	ОК	-
3	double	SGW	ОК	ОК	ОК
8	single	SGY	ОК	ОК	-
0	double	SGW	ОК	ОК	OK

#### color

- Tape: YKK Color Card compatible
- Elements: Golden brass, antique brass, light antique brass, antique silver, black silver, antique copper, pink gold, gold, matte white bronze, silver, black, nickel, matt nickel

#### Care information

Please contact your distributor or our sales representative for precautions regarding this item prior to purchase

#### **■ EXCELLA® Light**

EXCELLA® Light is a type of EXCELLA® zipper that is comprised of aluminium alloy element. Aluminum retains relative strength, but provides a very light weight compared to EXCELLA®, and it is suitable for apparel, handbags etc. Since elements are anodized, it makes it possible to achieve rich surface color variation. Combination of elements in different colors is also available in a multi color chain.

#### Item abailability

		Classification			
		Close	Open	Two-way	Chain
Size/	3SAW	ОК	ОК	ОК	ОК
Size/ Chain Type	5SAW	ОК	ОК	ОК	ОК

- Tape: YKK Color Card compatible
- Elements: Please contact our sales representative for details

#### Care information

Please use mild detergent for laundry washing.

Do not bleach.

Petroleum dry-cleaning is recommended





#### ■ Coil Zipper with Horizontal Stretch Tape

This is a special coil zipper with elasticity added to part of the knitting structure of the zipper tape. As a result, the slider's sliding resistance is greatly improved when a horizontal load is applied. We developed this item for bags and pouches that tend to be stuffed to the brim, and for shoes and boots with a tight silhouette. We hope you will adopt it and experience the power of lateral stretch.

#### Item abailability

		Classification				
		Close	Open	Two-way	Chain	
Size/Chain Type	5CN	ОК	-	-	OK	

#### color

#580,#570, #563, #560, #860

- \* #xxx indicates the YKK Color Card number
- \* Please contact your sales representative for details.

#### **Care information**

For precautions regarding this item, please contact your distributor or our sales representative before purchasing. For other precautions, please refer to "About the contents of this website."

Special Collection from Japan. Please contact your local sales representative for further inquiries.

#### ■ Metal Zipper with Horizontal Stretch Tape REFERENCE

This is a special metal zipper with elasticity in a part of the fastener tape knitting structure. By adding elasticity to one part of the tape, the sliding resistance of the slider when a lateral load is applied is greatly improved.

We have developed this product imagining that it will play an active role in bags and pouches that tend to be stuffed with contents. We hope you will adopt this product and experience the power of horizontal stretch.

#### Item abailability

		Classification			
		Close	Open	Two-way	Chain
Size/Chain Type	5M	ОК	-	-	ОК

#### color

\* Please contact our sales representative for details.

Please contact your distributor or our sales representative for precautions regarding this item prior to purchase.

#### ■ Durable Cord Stopper (Item Code: FC02VX)

This is a springless shoe cord stopper that utilizes a wedge-shaped structure. Compact shape and high strength retention make it suitable for running shoes and trail running shoes. It is easy to operate as it is tightened by pinching and fixed when the hand is released. Logo can be added to the plug side.

#### Item abailability

The recommended cord is  $\Phi$  1.8.

#### color

\* If you would like a color other than the above, please contact your sales representative.

#### Care information

Please make sure to do an evaluation test beforehand as the strength varies depending on the type of cord. Please contact your distributor or our sales representative before purchasing.

#### ■ Reverse Use Slider for bag

Did you know that coil fasteners are designed to be used with the elements facing the back? This item is a slider designed for backpacks and briefcases. By rethinking the shape of the slider, we aimed for smoother operation. We hope that you will be able to use your favorite bag more easily and for longer.

#### Item abailability

		Slider
Size/Chain Type	5CN	DF46B

#### color

\* Please contact our sales representative for details.

#### **Care information**

Special Collection from Japan. For precautions regarding this item, please contact your distributor or our sales representative before purchasing.



The Magnet Assist Buckle is a buckle that uses magnets. This item is easy to operate even for children and the elderly, as the magnet assists in automatically mating the parts by simply bringing them closer together, up and down. In addition, this buckle with magnets can be removed by flipping up the front part of the buckle. Unlike conventional buckles, this buckle does not require a strong grip to be attached or detached, which is also a major point of appeal. You can see the smooth detachment in the movie as well.

#### Item abailability

Availble width: 20mm

#### color

Black

#### **Care information**

This product contains a magnet. Placing this product near a pacemaker may cause the pacemaker to malfunction. If this product is subjected to a strong shock, it may be damaged and the magnet may be exposed. If swallowed by mistake, seek medical attention immediately. Because this product uses magnets, it cannot be used for Kenshin needle reading.

 $Shipping \ by sea or \ truck \ is \ the \ standard \ method \ of \ transportation. \ In \ case \ of \ air \ transportation, special \ packaging \ is \ required.$ 

When displaying this product in stores, please be sure to attach the attached tag to the final product.

Special Collection from Japan. For precautions regarding this item, please refer to the following link. https://www.ykkfastening.com/products/search/detail.html?pdid1=Magnet+Assist+Buckle+(Item+Code%3a+LB-MX-%ef%bc%89



#### ■ AquaGuard® with Flat Design

In response to our customers' requests, we have developed AquaGuard® zipper with a flatter look and feel. This item has a different texture from the current AquaGuard® zipper, which is reminiscent of leather (Item Code: 5CNT9). It has a simple and luxurious look that can be matched with a wide range of designs. The water-resistance and strength are at the same level as the current product (Item Code: 5CNT9). This product was developed and produced only in Kurobe plant, Japan.

#### Item abailability

		Classification			
		Close	Open	Two-way	Chain
Size/Chain Type	5CNT9	-	-	-	OK

#### **Care information**

Currently, only chain shipment is available. Depending on the surface treatment conditions of the slider, some slider marks may appear on the film. Please confirm the combination of slider and no-sew welding in advance. Please contact your distributor or our sales representative before purchasing.

# **SNAP & BUTTON**

In order to ensure that the snap button performs to its maximum potential on your product, our sales staff will provide consistent support from the planning stage to sample production and installation methods.

We are proud of the "quality" that we can guarantee because we handle all processes from product development to manufacturing technology development in-house, in other words, snap buttons and attaching machines (attaching machines).

■ Eco-friendly Finish Snap & Button	P38
■ Aluminum Tack Button & Rivert Burr	P38
■ Stainless Snap (BELNAP®)	P38
■ Anti-bacterial Coating Snap Button	P39
■ PERMEX® Extra Type & Thin Cap (Item Code: TN)	P39
■ Plastic Snap with Improved Heat Resistance	P39

## ■ Eco-friendly Finish Snap & Button

Compare to standard plated products of YKK Snap Fasteners Japan Co., Ltd., these Eco-friendly finish using up to 75% less water. This utilizes chemical conversion treatment techniques to make the most of the base material color. Giving it a natural and rich look.

#### color

\* Please contact our sales representative for details.

#### **Care information**

 $Special \ Collection \ from \ Japan. \ For \ precautions \ regarding \ this item, \ please \ contact \ your \ distributor \ or \ our \ sales \ representative \ before \ purchasing.$ 

#### ■ Aluminum Tack Button & Rivert Burr

By using the naturally silver color of aluminum to offer items that eliminate the need for eletroplating, the light weight of Aluminum is also an appealing characteristic, and of course good for recycling.

#### color

\* Please contact our sales representative for details.

#### Care information

 $Special \ Collection \ from \ Japan. \ For \ precautions \ regarding \ this \ item, \ please \ contact \ your \ distributor \ or \ our \ sales \ representative \ before \ purchasing.$ 

#### Stainless Snap (BELNAP®)

By using the naturally silver color of stainless to offer items that eliminate the need for eletroplating, stailess steel has better corrosion resistance which also brings a long product lifetime, and of course good for recycling.

#### color

0

\* Please contact our sales representative for details.

#### **Care information**

 $Special \ Collection \ from \ Japan. \ For \ precautions \ regarding \ this \ item, \ please \ contact \ your \ distributor \ or \ our \ sales \ representative \ before \ purchasing.$ 



#### Anti-bacterial Coating Snap Button

We have developed a new antibacterial coating\* that prevents the growth of bacteria on the surface of metal snap buttons, which are often touched directly with the hands or fingers. It has little effect on normal bacteria in the body and microorganisms in the natural world and is highly effective for safety and environmental consideration. It has passed a series of robustness tests including JIS L 0844, and has been certified as robustness level: 5.

 $^{\star}\, \text{The antibacterial activity value according to JIS\,Z\,2801\,test\,also\,clears\,performance\,evaluation\,standard:}\, 2.0.$ 

#### color

\* Please contact our sales representative for details.

#### **Care information**

Special Collection from Japan. For precautions regarding this item, please contact your distributor or our sales representative before purchasing.

## ■ PERMEX® Extra Type & Thin Cap (Item Code: TN)

The combination of the PERMEX® Extra Type, which is lower in overall height than the conventional PERMEX® snap and has a smart and elegant appearance, and the TN cap, which has a thin and flat edge, matches products with a slimmer silhouette.

#### color

0

\* Please contact our sales representative for details.

#### **Care information**

 $Special \ Collection \ from \ Japan. \ For \ precautions \ regarding \ this \ item, \ please \ contact \ your \ distributor \ or \ our \ sales \ representative \ before \ purchasing.$ 

# ■ Plastic Snap with Improved Heat Resistance (Item Code: NAD-L)

This is a plastic snap with improved heat resistance due to a new concept material and shape.

#### color

\* Please contact our sales representative for details.

#### **Care information**

Special Collection from Japan. For precautions regarding this item, please contact your distributor or our sales representative before purchasing.

# THANK YOU

Thank you for visiting the YKK FASTENING CREATION for 2023 and downloading this catalog. We hope you will find this information useful.



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