



AiryString[®]

YKK[™]

Little Parts. Big Difference. >>>

AiryString[®]

A tapeless zipper with a minimalist form, inspired by the original zipper, has been achieved. AiryString[®] zippers will bring about new discoveries and possibilities.

Improve design

The lack of exposed tape creates a sense of unity with the fabric.

Softness

This achieves a soft texture for the front part of the garment.

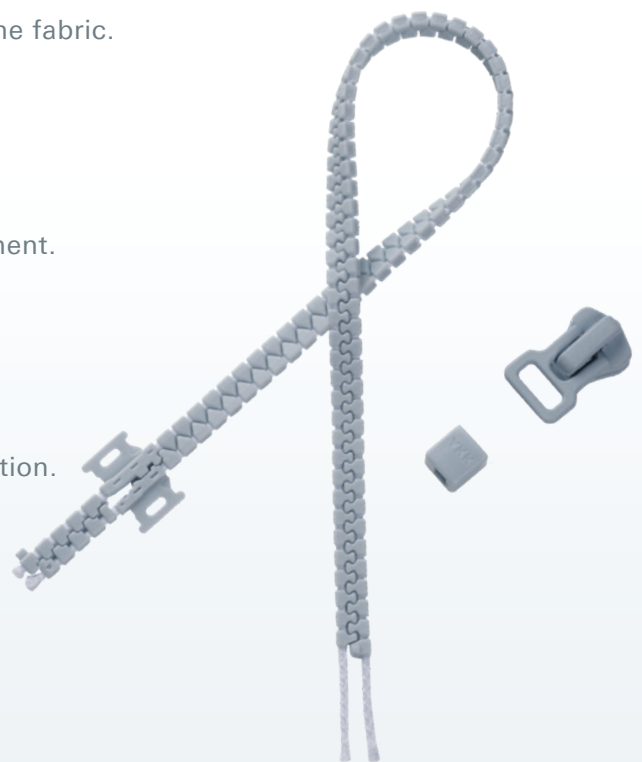
Light weight

Eliminating the tape section contributes to weight reduction.
(compared to VISLON[®] No. 5 zippers)

Low friction

Easy operability*.
(compared to VISLON[®] No. 5)

*Results from tests on 7 different fabrics



Garment comparison

**Garment made with
VISLON[®] No. 5**



**Garment made with
AiryString[®]**



Joint development on a dedicated sewing machine

YKK Corporation and JUKI Corporation engaged in joint development on a dedicated sewing machine for sewing in AiryString® zippers, and made it possible to sew them directly onto fabric.

JUKI

YKK™

Little Parts. Big Difference. >>>



These sewing machines, which are equipped with a new mechanism that synchronizes elements with fabrics to feed them into the machine reliably, are manufactured by JUKI Corporation and leased to customers by YKK Corporation.

For more information on leasing costs, please contact your YKK representative.

Dedicated AiryString® sewing machine



All AiryString® part sales and leasing of dedicated sewing machines are conducted between YKK and the customer. YKK will also coordinate the installation and startup of sewing machines at garment manufacturing factories.

*For more information on leasing dedicated sewing machines, please contact your YKK representative.

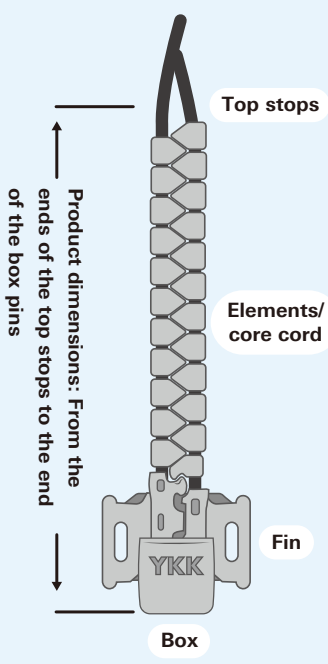
Product information

Available for size: No. 5

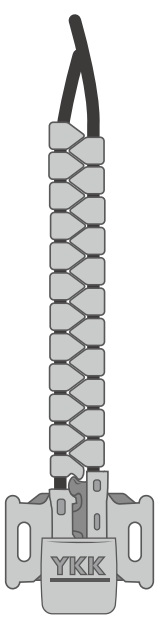
Product category					item code			
			Elements front shape	Direction of insertion				
Size/ Chain Type	5VDR	Close	—					
		Open	○	Side A		Right insert		5VDR OR
				Side A		Left insert		5VDR OL
				Side B		Right insert		5VDR OR Reverse
				Side B		Left insert		5VDR OL Reverse
	Two-way	—						

※Product dimensions: 12 cm - 120 cm
※Each part for the chain, slider, and box must be ordered separately

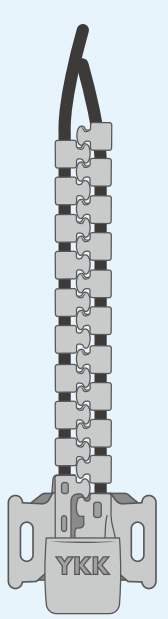
Item code
5VDR OR



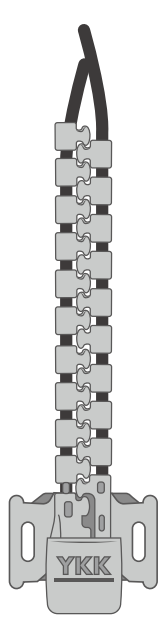
Item code
5VDR OL



Item code
5VDR OR Reverse



Item code
5VDR OL Reverse



Available for size: No. 5

		Product category		
		Close	Open	Two-way
Size/ Chain Type	5VDR	—	○	—

※Product dimensions: 12 cm - 120 cm
※Not compliant with the
Consumer Product Safety Commission (CPSC)

Color

Element	YKK Global Color Card, Metallic (Color Code : MP, MG, MB, MR, MJ, SIL4)	Core cord	Black, White
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Element

MP



Golden brass

MG



Golden

MB



Antique gold

SIL4



MR



MJ



Core cord

Black



White



×

Designated slider

- The puller to be attached to the DAK slider can be chosen
 - A logo can be inscribed on the puller
- ※For more information, please contact your YKK representative

DAKDHR9	DAKLH	DAKYKN118	DAK9
			

※Selected excerpts (see slider catalog for details)

Example of ordering instructions

Provide the following information when placing an order with a YKK representative for a smooth experience.

Item code	Elements color	Core cord color	Slider code	Slider finish code	Box color
5VDR OR Reverse	MJ	Black	DAKDHR9	X6J	MJ

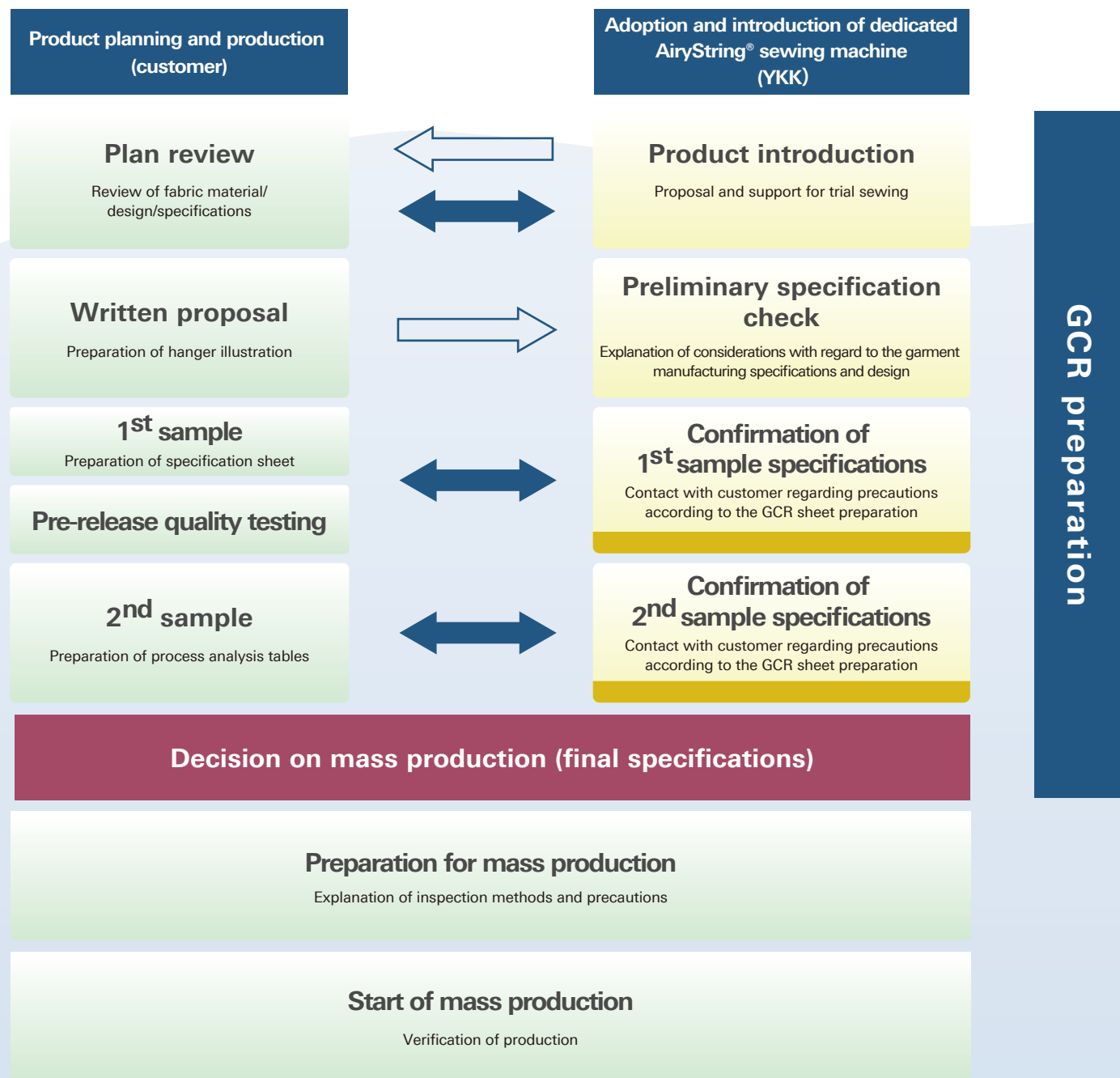
GCR support

GCR stands for “Garment Check Recommendation”

We work with customers from sewing prototypes to the introduction of dedicated sewing machines in garment manufacturing factories to mass production operations.

As for the specialized sewing machines, depending on the customer’s requirements, at either the “trial sewing - 1st sample” stage or the “2nd sample production - preparation for mass production” stage, we will lease the machines to the customer’s garment manufacturing factory, where the sewing machine’s setting values will be checked and trial sewing will be carried out.

YKK supports customers in designing safe garments by checking sewing specifications at each sample release and at the release of the final specification sample prior to mass production to ensure that there are no problems with the “functional quality of the zipper.”



Preparation of GCR sheet (B)

Once the sample has been completed, a YKK specialist will check the AiryString® thickness, specifications, sewing finish, etc. and prepare a GCR sheet (B) with notes and concerns about the sample.

Preparation of GCR sheet (C)

Once a sample with the final specifications has been completed, the specialist will prepare a GCR sheet (C) to confirm the final specifications. At this point, they will check that the thickness and specifications are within the specified values and that the sample has been sewn. The sheet will list precautions so as to ensure safe mass production at the garment manufacturing factory, and the customer and the garment manufacturing factory will both share its contents.

* The required time varies depending on the planning decision, the sample creation period, and the time required to determine the specifications.

Regarding fabric used

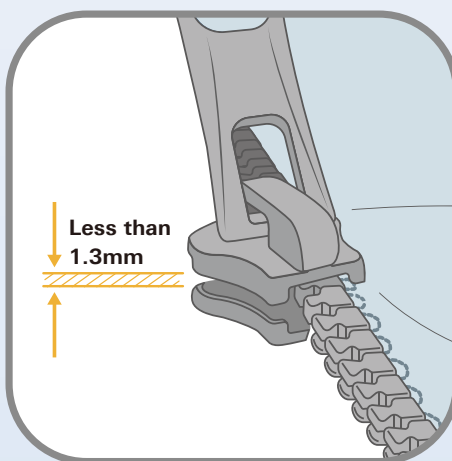
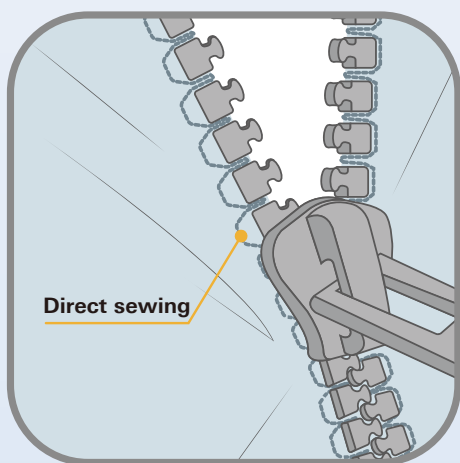
Please be aware that when using AiryString® on fabrics with the following characteristics, there are concerns that the zipper may come unstitched, roll into the slider, or not be strong enough.

- ◇ Fabrics with notably low slippage resistance
(woven fabrics: fabrics with low thread counts, knitted fabrics: fabrics with loose tension).
- ◇ Fabrics with low friction resistance
- ◇ Fabrics with large bumps
- ◇ Shaggy fabrics

Regarding fabric thickness in the sewn areas

A fabric thickness of 1.3 mm or less is recommended in areas where AiryString® is sewn on (such as the front edge), to allow for movement of the slider. If the thickness exceeds 1.3 mm, there is a risk of the sewing thread breaking due to friction with the slider.

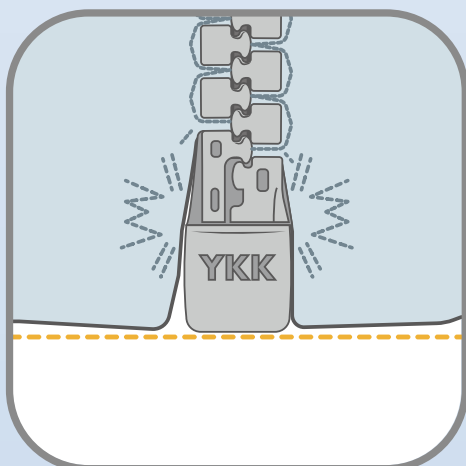
A YKK specialist will measure the fabric thickness.



Fabric thickness after AiryString® is sewn on is 1.3 mm or less (including sewing thread on dedicated sewing machines)

Precautions for designs and specifications

- If there is a section where multiple pieces of fabric are sewn together (such as a collar or yoke) in areas where AiryString® is sewn on (such as the front edge), the fabric thickness may exceed 1.3 mm.
※YKK will assist with specifications for areas where AiryString® will be sewn on, proposals to reduce thickness, and the selection of sewing threads and needles. However, we ask customers to make the final decision on specifications based on their own quality standards.
- For longer-length designs, please avoid specifications where the fabric continues below the AiryString® box on the bottom edge.
※This will put heavy stress on the opening and could cause damage.



Align the opening box part with the hemline.

※If the hem is longer than the box part, strong force will be applied when the garment is worn, which can break the seam along the opening or damage it.



Zipper Information

- Elements shape : Side A
- Insertion type : Right Hand
- Length : 67 cm
- Elements color : MJ

Item code	Elements color	Cord color	Slider code	Slider finish code	Box color
5VDR OR	MJ	Black	DAK9	X6J	MJ



Zipper Information

- Elements shape : Side B
- Insertion type : Left Hand
- Length : 120 cm
- Elements color : 504

Item code	Elements color	Cord color	Slider code	Slider finish code	Box color
5VDR OL Reverse	504	White	DAKYK432J	504 EFJ	504

Item: Cardigan



Zipper Information

- Elements shape : Side A
- Insertion type : Right Hand
- Length : 38.5 cm
- Elements color : 316

Item code	Elements color	Cord color	Slider code	Slider finish code	Box color
5VDR OR	316	White	DAK9MSL	316 EFJ	316

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