

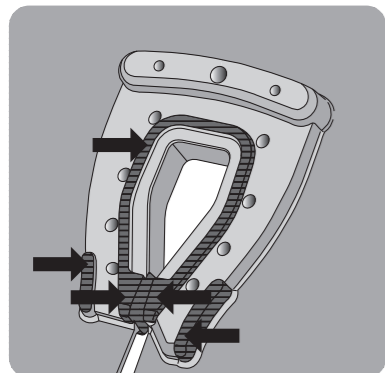
Care Instructions:

- Overstretching of the top and bottom stops should be avoided.
- Regular cleaning with fresh water and use of a suitable lubricant is advised in order to prevent damage to the tape and seals. *
- AQUASEAL® zipper is sensitive to UV degradation, creasing, delamination and wear through friction.
- Folding or crushing may affect zipper performance.

Attachment:

Normal sewing in combination with seam taping. Direct welding will depend on material compatibility, welding equipment and settings.
When applying heat and pressure during attachment, damage to the tape and elements should be avoided. Overstretching of the top and bottom stops should be avoided. A reinforcement strap feature is available.

*The Application Position of Lubricant:



1. Apply lubricant to Top-Seal as indicated in the diagram.
2. The lubricant will then distribute along the zipper elements, by operating the slider a few times.

Note: For Single-Seal or Open-End the instruction should be different:
1. Apply wax/lubricant along the zipper elements as indicated in the diagram.
2. The lubricant will then distribute along the zipper elements, by operating the slider a few times.

Disclaimer

The purchaser/user is solely responsible for testing the AQUASEAL® zippers for suitability in the proposed application. Any proposed use of AQUASEAL® zippers must be fully and appropriately tested by the purchaser/user. For uses in life/ limb or other safety critical circumstances, field trials are recommended. YKK disclaims all implied warranties with respect to AQUASEAL® zippers, including without limitation any implied warranties of merchantability and fitness for a particular purpose. In no event shall YKK be liable for any indirect, special, incidental, or consequential damages relating to AQUASEAL® zippers, whether based on breach of express or implied warranty, breach of contract, negligence, strict liability or any other basis.

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Fastening Products Group

Waterproof and Incredibly Flexible!
AQUASEAL®

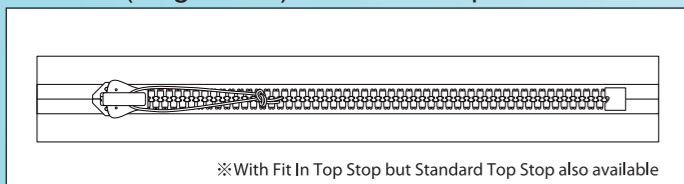


AQUASEAL® zipper is the lightweight fully waterproof zipper to consider for equipment complying with the latest international maritime safety standards.

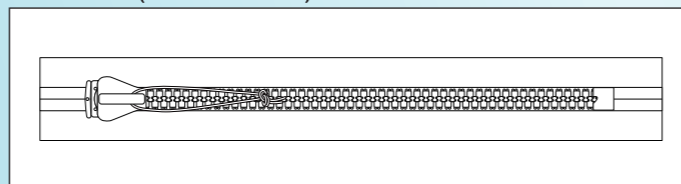
Item Lineup

Size	Chain	Type	Tape	Slider	Zipper Width
5	VFWN	Closed-end(W-SEAL/S-SEAL), separator, 2way separator	PU19B	NA,NF	37MM
10	VFWB	Closed-end(W-SEAL/S-SEAL), separator, 2way separator	PU23B, PU31B	NAZ,NF,SAZF	PU23B: 44MM PU31B: 60MM

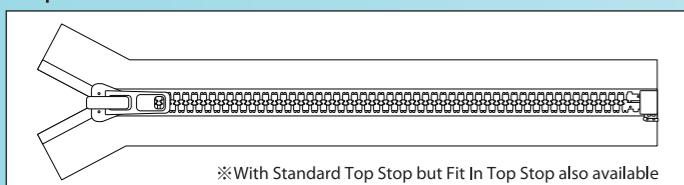
S-SEAL (single seal) - One End Open



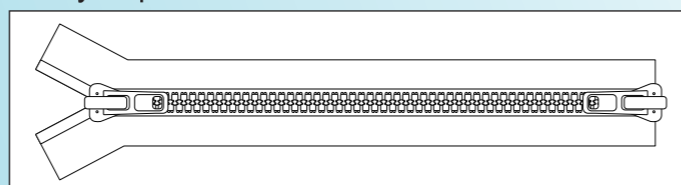
W-SEAL (double seal) - Both Ends Closed



Separator



2-way Separator



Features

- Light weight**
AQUASEAL® zipper weighs roughly half of conventional metal tight zipper.
- Easy Opening and Smooth Operation**
Combining VISLON® technology with a seal between the zipper elements, AQUASEAL® zipper allows for easy and smooth operation with protection in critical situations.
- High resistance to corrosion**
Plastic and Stainless sliders have high resistance for use in salt water environments
- Guaranteed quality**
For maritime safety applications a size 10 version with high compression elements and extra wide tape is available in closed end, sealed at 0.3 bar water pressure and each zipper is **INDIVIDUALLY TESTED** and laser marked for traceability. AQUASEAL® zipper range specified at 0.05 bar pressure also contains a size 5 option, the world's smallest waterproof fastener in its category, available in a full range of zipper functions.

Materials

	Element	Slider	Top stop	Bottom stop/ Open parts	Tape
5VFWN	Polyamide	Polyamide	TS-NEWH: Polyamide TS-SEAL: Polyurethane	Polyamide	Coating: Polyurethane Base tape: Polyester
10VFWB	Polyamide	Polyamide/Stainless	TS-NEWH: Polyamide TS-SEAL: Polyurethane	Polyamide	Coating: Polyurethane Base tape: Polyester

Slider Variations



No.5/No.10
NAZ
(plastic)



No.5/No.10
NFNT580 P-HIMO1
(plastic slider with cord)



No.10
NF1580TZ
(plastic slider with T-bar)



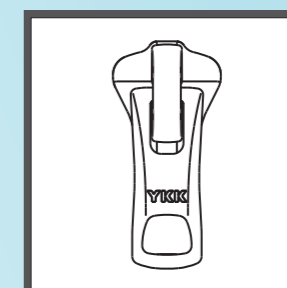
No.10
SAZH
(stainless)



No.10
NF + rubber
injection puller



No.5
NFTP



No.5
NA9



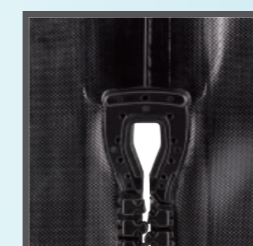
No.5
NA9LH2

Special Feature Variations

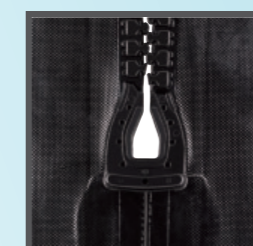
Top Stop



Fit-in type
TS-NEWH



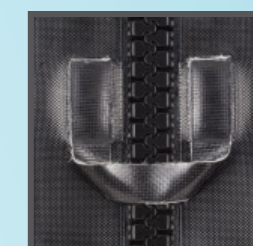
Fit-in type(sealed)
TS-SEAL



Fit-in type(sealed)
BS-SEAL

Bottom Stop

Reinforcement Tape



B-HOKYO



T-HOKYO