



Data sheet for TIZIP waterproof zippers

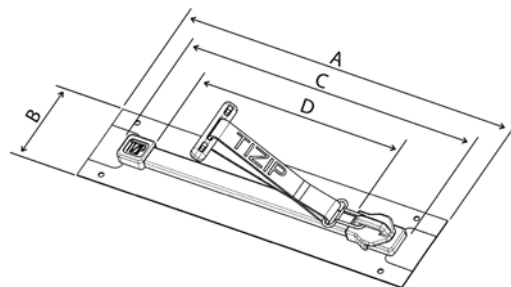
The technical principle of the TIZIP

The **TIZIP** slide fastener is made from a strong, plastic coil zipper on a high strength fabric. Every coil half is safely embedded and secured in a plastic profile. When the **TIZIP** is closed the sealing lips above and below the coil are compressed together and seal. The entire plastic profile is highly abrasion resistant. The **TIZIP**'s unique design prevents the slider from wearing down the sealing lips when the zipper is opened or closed.

The **TIZIP**'s physical design is such that pressure tightness increases when the inner pressure is raised or when cross tension is applied. Both actions lead to an increased mechanical pressure on the sealing lips.

Dimensions

- A** Overall Length (=order length + 32 mm)
Optional: (=order length + 50 mm)
- B** Overall width 50 mm oder 70 mm
- C** Order length, tolerance +/- 5 mm bzw. +/- 1%
- D** Opening length (= order length - 46 mm)



Chain width

| | |
|--------------------------------|-------|
| TIZIP Easy and TIZIP SuperSeal | 11 mm |
| TIZIP WaterSeal | 9 mm |

Cross breaking strength

300 N/cm

Testing

The sealing function of the **TIZIP** is tested by fastening the zipper in a straight rectangular frame, 3 cm wide, face down. Compressed air is applied to the front side of the zipper and water poured over the back until it is submersed. To pass the test no air bubbles may occur for a period of 20 seconds.

Pressure tightness

| | |
|--------------------|-------------------------------------|
| TIZIP SuperSeal | 700 mbar |
| TIZIP RescueSeal S | 700 mbar |
| TIZIP Easy | 250 mbar |
| TIZIP RescueSeal E | 250 mbar |
| TIZIP WaterSeal | not pressuretight, no pressure test |

Material description

| | |
|----------------|-----------------------------------------------------------------------|
| Coating | Thermoplastic Elastomer, weldable to PVCs as well as to Polyurethanes |
| Fabric | High Tenacity Polyester |
| Chain | Coilzipper, Monofil |
| Slider | ZAMAC Die Cast |

Information contained herein is based on our present knowledge and experience and does not release the converter from conducting their own comprehensive tests for their area of application. Technical improvements or changes may be made without specific notice.