

Data sheet

SilverSeal

Made in Germany

The SilverSeal idea

The TIZIP SilverSeal is a cost efficient open top waterproof zipper. Efficient processing allows extra discounts up to 25% for volumes over 1000 pieces per order. Color: Silver

Pullers

Standard grey TIZIP strap, 45 cm length. Custom designed straps can be used. Please contact us for details.

Applications

- Watersports clothing, (steamers, semi dry suits)
- Tents, flexible covers
- Waterproof footwear
- Waterproof overalls for motorcycling

Tightness

The TIZIP SilverSeal is highly water resistant and splash proof. Heavy bending may cause leakage. Please try to avoid!

Storage and Transportation

For storage, long- and short term and during transportation we recommend to leave the zipper chain closed. The closed chain protects the sealing lips and makes them more resistant to bending.

High humidity and temperatures over room temperature must be avoided!

Before and after long term storage and prior to using please open the chain completely, relubricate chain tips and docking end seal and operate the slider a few times over the full length.

The technical principle

The TIZIP SilverSeal 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 SilverSeal is closed the sealing lips above and below the coil are compressed making a perfect seal. The entire plastic profile is highly abrasion resistant. The unique design prevents the slider from wearing down the sealing lips when the zipper is opened or closed.

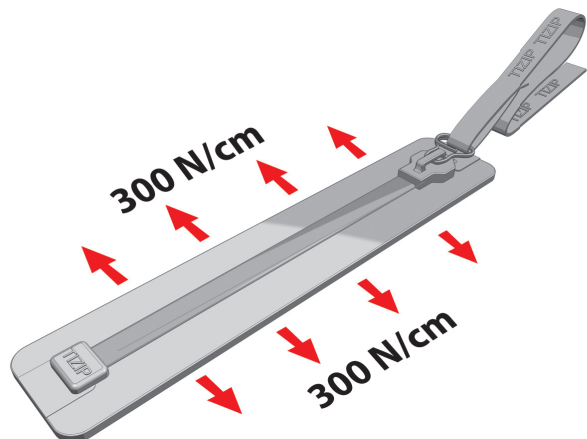
The physical design of the TIZIP SilverSeal increases the seal strength when the pressure is raised or when cross tension is applied. Both actions lead to an increased mechanical pressure on the top sealing lip.

Dirt or Sand

The TIZIP SilverSeal is highly resistant to damage caused by dirt or sand. However if dirt or sand are present, the zipper should be cleaned with soap and water. Dirt particles can affect the sealing function if they get caught between the chain profiles. If the TIZIP SilverSeal closure is used to protect life or sensitive material, the sealing function and cleanliness of the chain area should be double checked prior to every usage.

Stability

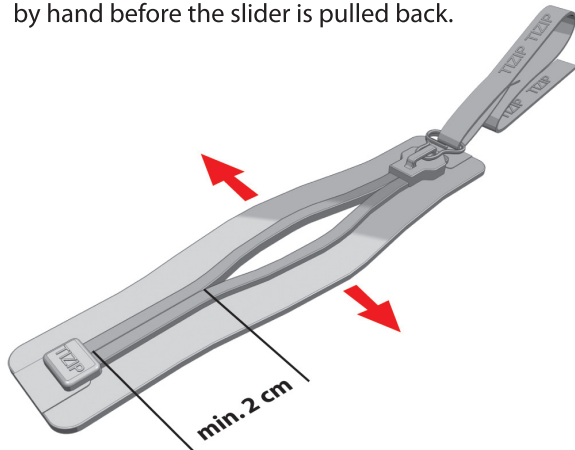
The TIZIP SilverSeal's performance in terms of strength and durability is outstanding. It can take weight, it is abrasion resistant and it will survive short term sharp bending and twisting without separating. When closed, the TIZIP SilverSeal has a crossbreaking strength of minimum 300 N/cm.



Over-Stressing

However, in the event the TIZIP is overstressed during closing, the chain may stay separated. In this case, simply move the slider back, reduce the cross tension, then reclose the zipper. The TIZIP will not be damaged by this procedure.

If the zipper has opened all the way down into the bottom stop, the first min. 2 cm have to be closed by hand before the slider is pulled back.



Operation

For the sealing function the TIZIP SilverSeal requires a fairly strong pull of the slider. Please allow a slightly higher pulling force as compared to regular zippers. A wet surface or lubricant on the outer flanges of the sealing profile reduces the pulling force greatly.

Versions



- Width: 50 mm and 70 mm
- Chain width: 11 mm

Extensions over end stop and docking end:
16 - or 25 mm

Resistance

UV-Light	Very Good
Microbes	Satisfactory
Oil and Petrol	Very Good
Hydrolysis (normal temperatures)	Good
Hydrolysis (extreme temperatures and humidity)	Sufficient
Temperature range	-30°C - +80°C
Light acids and alkalis (normal temperature)	Good



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