

Dear doctor, we are honored that you have chosen this innovative new product from Tiger Dental.

To ensure the safe and effective use of this product, you must carefully read and adhere to this user manual.

The user manual covers all necessary safety instructions but cannot describe all possible circumstances. For this reason, you may find further user notices online at tigerdental.com under the "Know-how" link. Our customer service is available for any additional questions.

The continual development of our products indicates our company's commitment to innovation. Accordingly, after several clinical uses, we recommend you carefully review the accompanying user manual (this can be found online under the "Downloads" link at tigerdental.com).

1. Manufacturer

Tiger Dental, Belruptstrasse 59, 6900 Bregenz, Austria

2. Product description

The TopStop TPA (transpalatal arch) is a placeholder for anchoring molars and can be used on one or both sides. (Fig. 1).

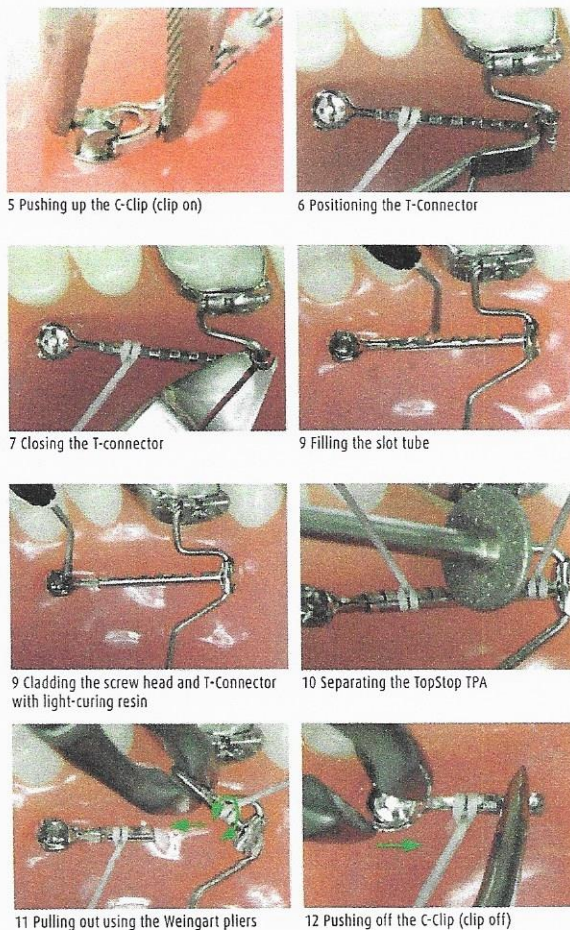
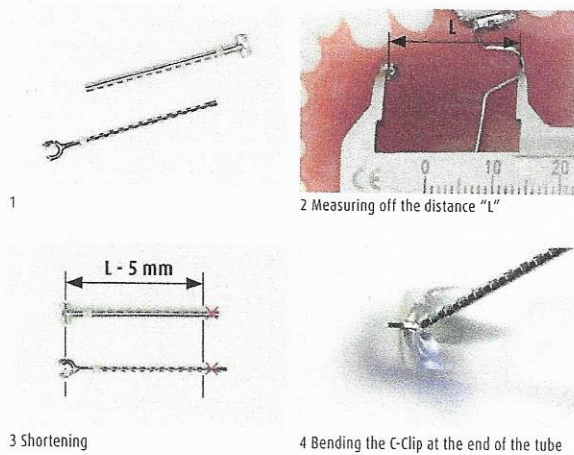
The TopStop TPA consists of a double internal wire with retentive notches (TopClip strong) and a slotted tube on the end of which a T-shaped connector to the palatal arch (T-connector) is situated. After appropriate shortening (adaptation) of the slot tube and the internal wire (e.g. with a cutting disc), the C-clip can be pushed up on the head of the screw without difficulty. The slotted tube is then pulled out distally until the T-Connector stops at the palatal arch by securely closing the two brackets. After adhesion of the telescopic connector and cladding of the T-Connector and the C-Clip, the TopStop TPA is a reliable anchor for the posterior teeth that is comfortable for the patient (see treatment example on the reverse).

3. Areas of application

Indication: Anchorage of molars, also ideal retention after previous distalization with Topjet Distalizer. Can be used on one or both sides.

4. Mounting the TopStop TPA

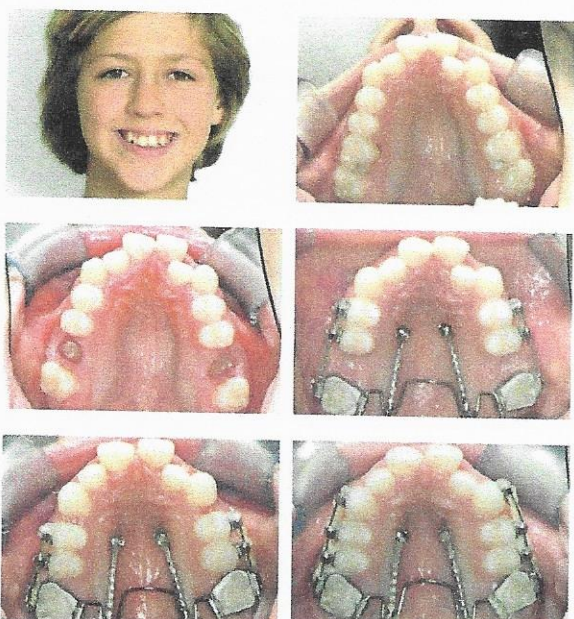
1. Measure the distance "L" between the head of the mini anchor screw and the U-curve of the palatal arch. The U-curve prevents the T-Connector from sliding off (Fig. 2).
2. Shorten the internal wire of the TopStop TPA and the notched outer tube so that the two pushed together are about 4-5 mm shorter than the distance "L" measured in the mouth (Fig. 3).
3. Slight deflection of one notch of the outer tube leads to some difficulty of movement of the notched internal wire, although it does not limit the ability to slide. Both parts of the TopStop TPA should be secured with dental silk before inserting into the mouth. The TopStop can then be held securely at any time or removed from the mouth.



4. If required, a bend can be introduced at the tube end of the C-Clip before inserting, so that the C-Clip can be pushed up onto the head of the screw without stress (Fig. 4). After the C-Clip has been pushed up on the screw head, the outer tube is pulled out with a probe or tweezers until the T-Connector lies in the U-curve of the palatal arch (Fig. 5+6).
5. The T-Connector's brackets are now closed with the T-Connector-pliers (Fig. 7).
6. Light-curing resin is finally introduced between the C-Clip and the screw head, between the T-Connector and the palatal arch and into the slot tube (e.g. Triad® Gel). A rigid, stable connection is established between the palatal arch and the mini anchor screw by filling the tube and by means of the notches on the internal wire. This produces a reliable anchorage for the molars (Retention) (Fig. 8+9).

5. Removal of the TopStop TPA

1. The TopStop TPA is removed after separation of the middle part using a small cutting disc, diamond roller or side cutter. Prior to this, the anterior and posterior ends must be secured with knotted dental silk (Fig. 10).
2. The posterior end is then bent upwards using the Weingart pliers. This breaks the plastic cladding on the T-Connector and the brackets open up (Fig. 11).
3. After removal of the plastic on the C-Clip, this can be pushed off the screw head with the Weingart pliers (pliers against the screw head and against the C-Clip) and removed (Fig. 12).



Theresia K., 13 years, caries profunda 16.26. Extraction of the two molars. Anchorage 17.27 using mini anchor screws and TopStop TPA. Gradual distalization of the premolars and eye teeth against the anchored molars.

6. Notices for Single-use Products

This product is nearly ready to use out of the box, but is not sterile and should not be used more than once. The reprocessing of this once used product (recycling) and its reapplication to the patient is strictly prohibited.

7. Safety Instructions

This operating and installation manual contains tips and recommendations, but does not release you from personal responsibility! The use of this product is allowed only by orthodontists and dentists according to MDD 93/42/EEC. The user must comply with the provisions of the Medical Devices Directive and any other applicable laws and regulations.

⚠ This product contains nickel.

8. References of Quality

Tiger Dental assures the user a flawless quality of its products. The content of this manual is based on experience. The user is responsible for the processing of the products themselves. Tiger Dental is not liable for erroneous results or processing by the user that occur in the absence of influence of Tiger Dental. Although this product is a mature product, improvements and changes can be made, which may not be documented in the present manual. Similarly, we are not liable for printing errors.

9. Package contents

- TopStop TPA, 2 pcs/pkg