

**Caution: Product contains chrome and nickel!**



**For single use only! Reuse cover risks related to cleaning, contamination, loss in functionality and material specific effects.**



**See instructions. No liability for disregarding the instructions!**

[www.forestadent.com](http://www.forestadent.com)

**CE 0297**



**FORESTADENT®**

**GERMAN PRECISION IN ORTHODONTICS**

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# *Rapid Palatal Expansion Screws or Lingual Expanders*

*User's Instructions*



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## Description

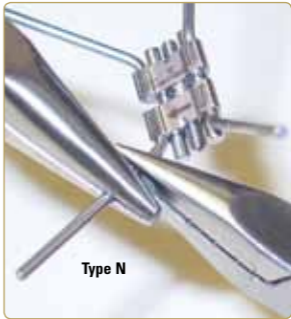
These screws are designed for extension of the palate and jaw. Usually the screws are welded or soldered to preformed bands or cast splints by their retention arms.

## Construction of the appliance

Bands are adjusted or cast splints are prepared on a hard plaster model. Retention arms are adjusted to be welded or soldered to the bands or cast splints.



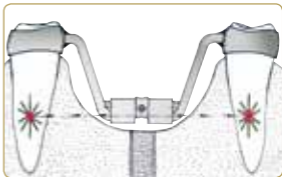
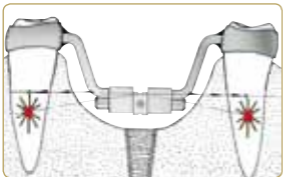
**Caution:**  
When adjusting the retention arms please make sure that you do not put any pressure on the welded joint. It is recommended to bend the retention arms with two pliers or a three-beak plier.



**Type N**

The following screws (167-1326, A167-1326, 167-1323) have a unique design and show the lowest profile in the market. For bending the retention arms we recommend to use our special instrument, **article no. 501-0709**.





The palatal split screws should be positioned above the palatale. To avoid unwanted side effects you have to make sure that the screw is in a parallel position to the occlusal plane. When welding/soldering the retention arms avoid overheating of bands or screws. A heat protecting paste should be used. Screws, which show signs of discoloration or staining on their surface, are overheated. This may affect the screw function.

## 5 *instructions for doctors and patients*



### **Instructions for turning the appliance**

The enclosed small metal key ① should only be used to test the correct function of the screw after fabrication of the appliance. This key could be swallowed if used in the patient's mouth (intraoral). For intraoral activation a safety key ②, e.g. 100-0009 must be used and the patient resp. the person who does the activation has to be instructed accordingly.

## 6 *instructions for doctors and patients*

Regular inspections at the orthodontist's office are necessary. Some screw models are protected against falling apart at the end of expansion. Please do not apply any force against the safety lock at the end of expansion. This may result in making the lock ineffective. The screw may fall apart intraorally, and parts could be swallowed.

The screws listed below do **not** have a lock against falling apart and regular controls of the achieved extension are absolutely necessary:

**167-1323**

**167-1326**

**168-1223**

**169-1323**

**198-1223**

**198-1623**