

9. Product range

Description	straight legs	angulated legs	Quantity
palex® click Mini – 7 (Expansion 7 mm)	602-830-11	602-831-11	1 piece
	602-830-31	602-831-31	10 pieces
	602-830-55	602-831-55	50 pieces
palex® click Medium – 10 (Expansion 10 mm)	602-832-11	602-833-11	1 piece
	602-832-31	602-833-31	10 pieces
	602-832-55	602-833-55	50 pieces
palex® click Maxi – 12 (Expansion 12 mm)	602-834-11	602-835-11	1 piece
	602-834-31	602-835-31	10 pieces
	602-834-55	602-835-55	50 pieces

All packages with safety key

Safety key	611-120-00	10 pieces
Universal bending tool	611-122-00	1 piece

Information for the doctor/patient

Before cementing the palex® click appliance into position, open the spindle (screw) by making 2–3 quarter turns in the direction of the arrow to test the mobility. Then turn back to the original position.


The finished palex® click appliance is cemented into position in the usual manner. Follow the instructions from the cement manufacturer. Afterwards, give the spindle one full turn (4 x 90°) with the safety key supplied. One full turn of the spindle = 0.8 mm expansion.

On the basis of your instructions, the patient should complete two quarter turns (2 x 90°) in the morning and two quarter turns in the evening until the desired expansion is achieved. After each step of activation (quarter turn), a clear „click“ can be perceived.

10. Quality

Dentaurum ensures faultless quality of its products. The recommendations in these instructions are based upon Dentaurum's own experiences. The user is solely responsible for the processing of the products. Responsibility for failures cannot be taken, as Dentaurum has no influence on the processing on site.

11. Explanation of symbols used on the label

 Please refer to the label. Additional information can be found at www.dentaurum.com (Explanation of label symbols REF 989-313-00).

- For more information on our products, please visit www.dentaurum.com
- Our orthodontic technicians are available to answer any questions you may have regarding our products:

Customer Service: Phone 800 523 3946
orthodontics@dentaurum-us.com

Date of information: 11/21

Subject to modifications

Note: Use only the blue safety key supplied, as this cannot accidentally be swallowed.

Regular visits are recommended to monitor progress.

We recommend securing the palex® click appliance by fitting a ligature or blocking out with acrylic after the desired expansion is reached in spite of the feature to prevent unwanted reversing. For stabilization, the appliance should remain in the mouth for approximately 2–3 months.

A retainer should be worn following removal of the appliance.

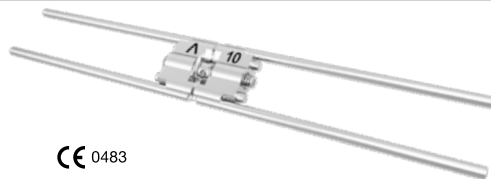


The product should not be used if there is a known allergic reaction to one or more of the material components.

Should the user and/or the patient gain knowledge of serious incidents arising from the use of the product, it is important that the manufacturer and the competent authority in the country in which the user and/or the patient is resident are informed.

US

Instructions for use



CE 0483

palex®  click

Screws

11/21/C/R1-8

Germany

Printed by Dentaurum

989-502-21

D
DENTAURUM
USA

D
DENTAURUM
USA

Dear Customer

Thank you for choosing a quality product from Dentaaurum.

It is essential to read these instructions carefully and adhere to them to ensure safe, efficient use and ensure that you and your patients gain full benefit. Instructions for use cannot describe every eventuality and possible application. In case of questions or ideas, please contact your local representative.

As our products are regularly upgraded, we recommend that you always carefully read the current instructions for use supplied with the product and stored in the internet at www.dentaaurum.com, even though you frequently use the same product.

1. Manufacturer

Dentaaurum GmbH & Co. KG
Turnstr. 31 | 75228 Ispringen | Germany

2. General product description

The palex® click screw (palatal expansion screw) is a special expansion screw for rapid palatal expansion. It has a patented screw locking feature (Fig. 1) to prevent unwanted reversing. The retention legs of this expansion screw are welded onto preformed bands (Fig. 2) or onto so-called cap splints made of metal. Alternatively they can also be polymerized into acrylic splints. The bands or the splints are cemented into place as usual. Follow the instructions from the cement manufacturer.

3. Area of application

Used for rapid palatal expansion with a fixed appliance.

4. Fabrication of the palex® click appliance with preformed bands

Preformed bands are fitted on the maxilla left and right first bicuspids and left and right first molars. Using an impression, these bands are either transferred to or fitted on the hard plaster model. The retention legs of the palex® click screw are then bent to fit onto the four bands so that they can be welded into place (Fig. 2 + 4).

The palex® click screw should be "suspended" 1 – 2 mm above the palatal vault / gingiva (see Fig. 3) and its dorsal side should be in line with the mesio-palatal cusps of the first molars. In order to avoid leverage, it must be situated parallel to the occlusal plane. In order to make the task of inserting the safety key and activating the screw easier, the palex® click screw is fitted with the direction of rotation facing towards dorsal (Fig. 2–4).

5. Tips for working with palex® click screws

The bands can be connected by means of a remaloy® wire \varnothing 1.0 mm (REF 528-100-00) either on the palatal or the buccal side as a means of reinforcement. These reinforcement wires are laser-welded above the retention legs. The palatal reinforcement wires should extend slightly over the bands and be supported by the adjacent teeth in order to distribute the expansion forces more effectively.

In order to bend the retention legs of the palex® click screw gently and easily, we recommend using the universal bending key (REF 611-122-00, Fig. 5) without the aid of pliers (lever principle).

If this key is not available, the retention legs must be stabilized by holding the expansion screw body with a pair of sturdy pliers, e.g. wire bending pliers Maxi (REF 013-522-00), in order to prevent the retention legs from breaking (Fig. 6).

When using the soldering technique please protect the body of the screw against excessive heat, e.g. with heat screen (REF 380-070-00).

6. Composition

The composition is included in the materials list; please refer to the catalog or www.dentaaurum.com.

7. Safety information

Always use the blue safety key supplied to prevent swallowing!

The product should not be used, if there is a known allergic reaction to one or more of the material components.

8. Information on single-use products

The product is intended for single use only. Reconditioning of a product that has already been used (recycling) and its reuse on a patient is not permitted.

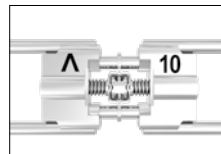


Fig. 1

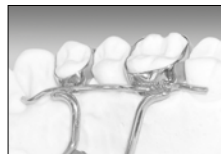


Fig. 2



Fig. 3

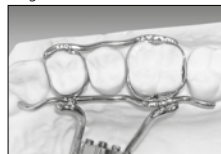


Fig. 4

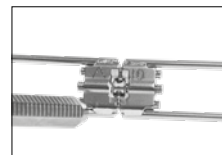


Fig. 5

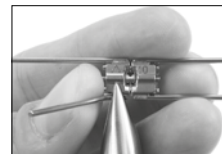
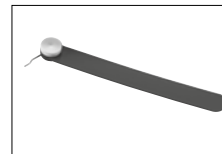


Fig. 6



Universal bending tool
REF 611-122-00



Safety key
REF 611-120-00