

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 may frequently use the same product.

1. Manufacturer

Dentaaurum GmbH & Co. KG

Turnstr. 31 | 75228 Ispringen | Germany

2. General product description/area of application

The Variety/Variety SP expansion screws are universal expansion screws that can be used in the lower jaw to create space, control tipping of the anterior and posterior teeth as well as to open and close spaces in both the upper and lower jaw. They can also be used as distraction screws, or for early palatal expansion of the upper jaw at the beginning of the mixed dentition phase. The Variety/Variety SP are welded to preformed bands or cap splints using its retention legs and do not require the use of acrylic. The bands / cap splints are then cemented into place as usual. Follow the instructions from the cement manufacturer.

Variety (Fig. 1)

- small installation dimensions with maximum expansion
- solder-free
- break-resistant retention legs and stable guidance throughout the entire expansion
- a locking feature prevents unwanted reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction and the maximum expansion
- screw can be fixed with wire once desired expansion has been reached

Variety SP (small palate, Fig. 2)

- all the characteristics of the Variety expansion screw
- especially suitable for very narrow jaws
- the retention legs can be bent close to the screw body



The smaller Variety Mini-8 and the Variety SP (small palate) Mini-8 expansion screws are provided with a longer guidance pin to prevent the screw from coming apart once it has reached maximum expansion. Variety Maxi-12 and Variety SP (small palate) Maxi-12 expansion screws do not have this safety feature!

3. Fabricating an appliance with a Variety/Variety SP expansion screw

Preformed bands are fitted on the mandibular left and right 1st bicuspid and left and right 1st molars on a hard plaster model. The bands / cap splints are adjusted to fit on a hard plaster model. The legs of the Variety/Variety SP screw are then bent to fit the four bands / cap splints so that they can be welded into place (Fig. 3).

The Variety/Variety SP screw should "float" freely 1–2 mm above the gingiva (Fig. 4). To avoid any leverage effect, please be sure the direction of force runs parallel to the occlusal plane.

4. Tips for working with Variety/Variety SP expansion screws

In order to bend the retention legs of the Variety/Variety SP 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 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).

5. Composition

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

6. Safety instructions

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.

7. Information for 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 Variety



Fig. 2 Variety SP



Fig. 3



Fig. 4



Fig. 5



Fig. 6

8. Availability

Designation		REF	Quantity
Variety Expansion Screw Mini – 8	with 1 safety key	602-815-11	1 piece
	with 10 safety keys	602-815-31	10 pieces
	with 1 safety key	602-815-55	50 pieces
Variety SP Expansion Screw (small palate) Mini – 8	with 1 safety key	602-819-11	1 piece
	with 10 safety keys	602-819-31	10 pieces
	with 1 safety key	602-819-55	50 pieces
Variety Expansion Screw Maxi – 12	with 1 safety key	602-806-11	1 piece
	with 10 safety keys	602-806-31	10 pieces
	with 1 safety key	602-806-55	50 pieces
Variety SP Expansion Screw (small palate) Maxi – 12	with 1 safety key	602-809-11	1 piece
	with 10 safety keys	602-809-31	10 pieces
	with 1 safety key	602-809-55	50 pieces
Safety key		611-120-00	10 pieces
Universal bending key		611-122-00	1 piece

Information for the doctor / patient

Before the Variety/Variety SP appliance is cemented into position, open the spindle (screw) by making 2–3 quarter turns in the direction of the arrow to test the function. Then turn back to the original position.

Turn the Variety/Variety SP screws only in the direction of the arrow. Opening and closing the screw several times during treatment can cause it to loosen and no longer function properly.

The finished Variety/Variety SP appliance is cemented into position in the usual manner. Follow the instructions from the cement manufacturer.

Following this, the screw is turned four times 90° (quarter turn) using the key (REF 611-120-00) supplied for this purpose.

The patient should turn the screw two times by 90° both in the morning and evening (according to your instructions) until the desired expansion is achieved.

9. Quality information

Dentaurum ensures faultless quality of the products manufactured by us. These recommendations are based upon Dentaurum's own experiences. The user is responsible for the processing of the products. Responsibility for failures cannot be taken by Dentaurum as we have no influence on the processing on site.

10. Explanation of symbols used on the label



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

Important: Always use the blue safety key supplied to avoid accidental swallowing.

Regular visits are recommended to monitor progress.

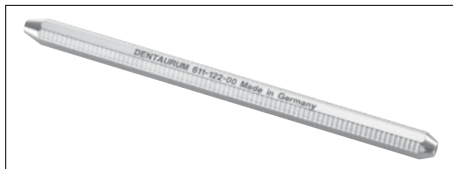
The Variety/Variety SP appliance is secured against unwanted reversing, after the desired degree of expansion is achieved, by fitting a ligature or blocking with acrylic. The appliance should remain in the mouth for approximately 2–3 months for stabilization purposes.

A retainer should be worn following removal of the Variety/Variety SP appliance.

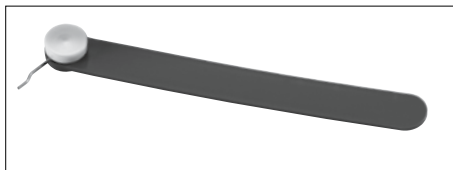


The product should not be used if there is a known allergic reaction to one or more of the material components.

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.



Universal bending key REF 611-122-00



Safety key REF 611-120-00

➔ For more information on our products, please visit www.dentaurum.com

Date of information: 04/21

Subject to modifications

US

Instructions for use



CE 0483

Variety
Variety SP
Expansion Screw

989-576-21 Printed by Dentaurum Germany 04/21/IC/R1-12

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