

# Hints for Use

## VECTOR® 600 / 620

These **application and security hints** can be applied to our palatal expansion screw **VECTOR® 600 / 620, which are subject to a 100% quality control as to function and quality.** If nevertheless any deficiencies should occur, please contact us by indicating our LOT and REF number on the label or product. **Not for surgical-assisted rapid palatal expansion.**

### Insertion

**Preparation:** The preformed **retention arms** of our VECTOR® expansion screws 600 / 620 are fabricated in a very **stable** way in order to avoid any **deformation or impressions in the mucuous membrane.** Bend the retentions to adjust them to the palatal arch and/or molar bands. In order to avoid any **damages** of the laser welded joint, the **screw body** should be held tight by means of appropriate **pliers.**

**Connection:** The connection parts of the molar bands or casted constructions have to be fabricated precisely. Laser-welding is recommended. During the bending, soldering and welding process please make sure that the retentions are not being damaged due to heat or notches. The built-in plastic bushing serving to avoid any unintentional resetting or blocking of the screw shall not be damaged. Therefore ensure not to expose the screw to temperatures **exceeding 180°C.** If necessary, cover with heat protection paste. If you want to control the **thread mobility,** we recommend to carry out **one turn only.** A complete opening of the screw is not required due to the 100% quality control.

**Screws should not be exposed to heat.**

### Hints for Wearing

Make sure **not to activate** the screw exceeding the indicated **maximum expansion.** Ensure to have your appliance controlled regularly. In case of too large expansions or too weak retentions, the screw body risks to be imbedded in the mucous membrane. The clinician has to pay attention to this and to take appropriate measures.

\* VECTOR® 600 = max. expansion 9 mm ~ 0,225 mm / 1/4 turn ~ 40 activations

\* VECTOR® 620 = max. expansion 11 mm ~ 0,225 mm / 1/4 turn ~ 48 activations

### Contraindication

The used stainless steel alloy is highly corrosion-resistant and mouth-stable. Sensitive patients, however, may show allergic reactions due to the minimal nickel ingredient (7-9%). If an allergic reaction is confirmed by a test, treatment may have to be interrupted or terminated.

### Hints for Patients

When being treated with fixed appliances, good and intense oral hygiene is essential (careful cleaning with tooth brush and paste, oral irrigator and mouth rinsing solution).

We recommend our CETRON® cleansing products for removable appliances.

## VECTOR® 800 / 820

These **application and security hints** can be applied to our VECTOR® 800 / 820, which are subject to a 100% quality control as to function and quality. If nevertheless any deficiencies should occur, please contact us by indicating our LOT and REF number on the label or product.

### Insertion

**Preparation:** In order to adjust the retention arms and to **avoid damages** to the laser welded seam, the **screw body** should be held tight by means of appropriate **pliers.**

**Connection:** The connection parts of the molar bands or casted constructions have to be carefully and precisely fabricated. Laser-welding is recommended. Ensure the retentions are not damaged by heat or notches during bending, soldering and welding. If necessary, cover screw body with heat protection paste. In order to check the thread mobility, effect not more than **one turn of the screw.** A **complete control opening** of the screw is not necessary thanks to our 100% quality control.

**Screws should not be exposed to heat.**

### Hints for wearing:

Make sure **not activate the screw exceeding the indicated maximum expansion.** Ensure to have your appliance controlled regularly. In case of too large expansions or weak retentions, the screw body risks to be imbedded in the mucous membrane. The clinician has to pay attention to this and to take appropriate measures.

\* VECTOR® 800 = max. expansion 9 mm ~ 0,200 mm / 1/4 turn ~ 45 activations

\* VECTOR® 820 = max. expansion 11 mm ~ 0,200 mm / 1/4 turn ~ 55 activations

### Contraindications

The used stainless steel alloy is highly corrosion-resistant and mouth stable. Sensitive patients, however, may show allergic reactions due to the low nickel ingredient (7-9%). If an allergic reaction is confirmed by a test, treatment may have to be interrupted or terminated.

### Hints for patients

When being treated with fixed appliances, good and intense oral hygiene is essential (careful cleaning with tooth paste and brush, oral irrigator and mouth rinsing solution).

We recommend our CETRON® care products when wearing removable appliances.

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**Dental Technology**

