

Snoring and obstructive sleep apnea

SomnoGuard® SPX Prefabricated oral appliance

A portion of the upper airways is primarily comprised of muscles. When the muscles slacken during sleep, the lower jaw and tongue fall back, especially when sleeping on the back. As the airways narrow, air has to be drawn in faster and with higher pressure. This causes a vibration and fluttering of the soft tissue which leads to snoring. Obstructive sleep apnea syndrome (OSAS) exists when the underlying obstruction leads to about 10 or more events of not breathing. The upper airways collapse and the respiratory tract to the lungs is blocked.

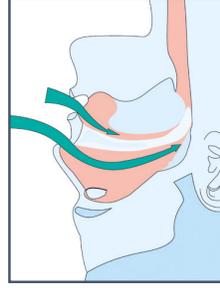
Oral appliances achieve a lower jaw and tongue advancement. They open the respiratory tract and reduce or prevent the vibration and fluttering of the soft tissue in the throat. TOMED's prefabricated SomnoGuard® oral appliances are made of a thermoplastic material that softens when heated in a hot water bath and can be formed according to the teeth.

The two-piece SomnoGuard® SPX oral appliance is our latest development in the field of prefabricated SomnoGuard® mandibular advancement devices. It consists of a hard outer tray shell and a prefabricated thermoplastic material. After heating the trays in a hot water bath, the thermoplastic material becomes easily moldable. Teeth impressions are formed when biting into the soft material (comparable with a dental impression). After the appliance cools down in a cold water bath, the material hardens and maintains its new shape. Two connectors of equal length connect the upper with the lower jaw. The lower jaw advancement can be infinitely adjusted by turning the screws between the connectors with the spanner.

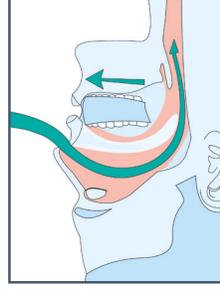
To achieve an optimal therapeutic result it is recommended that SomnoGuard® SPX is fitted by a physician (e.g., dentist, ENT physician, physician in the sleep laboratory) or their trained medical staff.

Characteristics of prefabricated SomnoGuard® devices

- Easy and fast fitting at the doctor's practice
- Repeatable fitting
- Secure fit and good retention
- Easy handling and maintenance
- Affordable
- Made in Germany



Relaxed jaw position: tongue and soft tissue narrow the upper airways



With SomnoGuard®: open respiratory tracts

Special characteristics of SomnoGuard® SPX

- Thermoplastic material with memory effect
- High wearing comfort thanks to a delicate design
- Width of the trays can be adapted according to the jaw size
- Infinitely adjustable mandibular advancement
- Mouth breathing and mouth opening possible
- Also suitable for patients with a receding lower jaw



Heat the trays in hot water. Bite into the soft thermoplastic material. It will then be formed according to your teeth.

The appliance now has teeth impressions.

The lower jaw advancement can be adjusted by the two connectors.