

# FUNCTIONAL ELASTOOSAS

by amcop

APPLIANCE SUITABLE FOR THE TREATMENT OF SNORING EPISODES



SMALL APPLIANCE

MEDIUM APPLIANCE

LARGE APPLIANCE

# FUNCTIONAL ELASTOOSAS

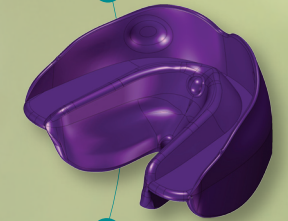
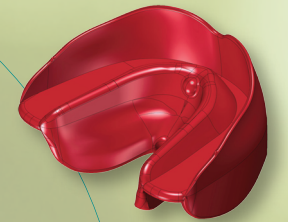
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## Stop Snoring!



BIS-GMA FREE  
**BPA FREE**  
NO BISPHENOL-A

# AMCOP®



Micerium S.p.A.  
Via G. Marconi 83  
16036 Avegno (GE)  
Italy



Tel. +39 0185 7887 880



sales@micrium.it  
gory@micrium.it  
www.micrium.com

# AMCOP®



FUNCTIONAL  
**ELASTOOSAS**

**Elastoosas** is a new Elastodontic Appliance in the range of the **Amcop Bio-Activators**. It is made with thermoelastic medical material and is indicated for freeing the respiratory tract, by means of a specific functional action, reducing snoring substantially and sleep apnea episodes.

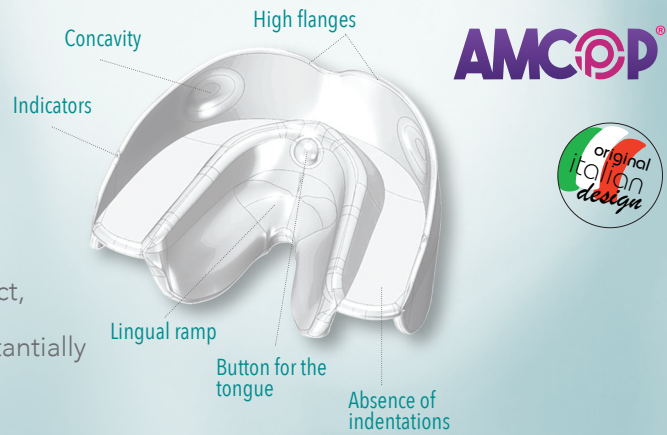
**Elastoosas** is a new Elastodontic Appliance in the range of the Amcop Bio-Activators. It is made with thermoelastic medical material and is indicated for freeing the respiratory tract, by means of a specific functional action, reducing snoring substantially and sleep apnea episodes. The Elastoosas Appliance for snoring, consists of two occlusal arch shaped elements joined together by a sliding and retractable occlusal guide, in such a way as to compose a monobloc Appliance suitable for containing "in toto" the teeth of the upper

and lower dental arch. The Appliance has been designed with an occlusal guide suitable to contain the different types of arch shapes. They are distinguished from each other by means of different colors and codes, viewable in the front right part of the lower flange. The main elements that make up the Appliance, in order to achieve the desired action, consist, first of all, in the shaping of a reference guide to the lower arch, which is more forward (protruded) than the norm and an appropriately raised occlusal plane accom-

panying a particular ramp-type modeling, which extends along the entire perimeter of the lower lingual flanges, with the specific function of a true lingual elevator supported by a reference (**Button**) suitable for the stimulus (**input**) of the tongue itself in the palatine area, retro-incisive papilla (**Lingual Spot**). Such elements generally support the recovery of correct nasal breathing, as they allow to further free the pharyngeal area. Further more, regarding better nasal breathing, is constituted by adequate shielding pro-

vided by the vestibular flanges (**anterior shields**) which act as a barrier to oral breathing during sleep. The benefits of the Elastoosas Appliance are therefore:

- an increase in the vertical dimension of the mouth through an appropriately raised occlusal plane
  - an advancement of the mandible through the protrusion of the lower guide
  - a tongue that will be positioned upwards and forward, supported by a ramp-type guide surface (**lingual elevator**)
  - better nasal breathing at the expense of oral breathing, thanks to the function of the vestibular flanges.
- Ultimately, it will be possible, to obtain a better ventilation of the air through an adequate opening of the pharyngeal area and of the entire oral area. **Better air ventilation will eventually limit snoring.**



**OSAS 3**



Small Appliance  
**Raspberry red** color coded  
Cross measurement of 55mm\*

**OSAS 4**



Medium Appliance  
**Indigo blue** color coded  
Cross measurement of 60mm\*

**OSAS 5**



Large Appliance  
**Teal green** color coded  
Cross measurement of 65mm\*

\* Measure taken from the transverse distance that separates the vestibular cusps of the upper sixths

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**Usage of the Appliance**

The **ELASTOOSAS Appliance must be used at night**

Before wearing **ELASTOOSAS** it is necessary to place it under warm tap water to loosen its fibers. The first few nights, after placing the Appliance in your mouth, you may experience difficulty falling asleep and keeping it all night. These difficulties can be determined, the first nights, by the particular invasiveness of the Appliance and by the user's predisposition for mouth breathing, where the Appliance itself is designed for nasal breathing. The first nights, the Appliance, must be kept for the possible amount of time in consideration of the subjective difficulties and, therefore, if necessary, remove it trying to subsequently increase the time without getting discouraged. After a few nights the Appliance will be tolerated more and more, until being able to keep it all night. In some cases, always at the beginning of the treatment, you may experience the loss of the Appliance during sleep and also in this case try again every evening. As you get used to it, it will be possible to keep it until morning.

**Material**

The material used for the construction of the **ELASTOOSAS** Appliance consists of an elastomeric polymer composition, with thermoelastic characteristics, supported by extraordinary elasticity and excellent mechanical properties; all this to ensure a comfortable adaptation to the dental arches and sufficient resistance to the chewing load. This is a certified medical material, completely non-toxic, does not contain phthalates, it is hypoallergenic, there is no latex, and finally it is not irritating to the mucous membranes. It therefore has characteristics of complete bio-compatibility for greater safety in the health sector. What distinguishes it from others, consists in the specific thermoelastic characteristics, which make it adaptable to the different types of arch shape, when needed, by means of an appropriate shaping of the flanges using heat tools suitable for the case. The Clinician will modify the Appliance in case of certain interferences with gums, cheek muscles, lips and tongue, in such a way as to make it as comfortable as possible.

**What you need to know before using Elastoosas**

Snoring is a particular acoustic phenomenon characterized by a noise of variable intensity generated along the respiratory tract by mobile and vibrating structures caused by the obstruction of the airways; if the obstruction is complete, the passage of air is interrupted and apneas occur. Snoring can be a health problem, it can cause: restless sleep, headaches, choking, cough, breathing gasps, tachycardia, drowsiness, obesity. In the long run, major health problems such as heart disease and stroke could also arise.

Altered conditions of the correct functions of the mouth, accompanied by an anomalous occlusal environment caused by an abnormal cranio-mandibular condition, can cause snoring. Specifically, reference is referred to a reduced vertical dimension of the mouth, and to a repositioned mandible which involves the simultaneous posterior displacement of the tongue, which is in complete opposition with the posterior wall of the pharynx; this situation can affect both oral and nasal breathing, as the air is no longer able to reach the lungs. We thus speak of sleep apnea (OSAS - Obstructive Syndrome from Sleep Apnea) which is the alteration of the normal physiology of sleep, characterized by sleep interruption or pauses of the same, due to a blockage of the passage of air at the level of the nose and of the throat which determines the vibration of the uvula, palate and tonsillar pillars.

**ELASTOOSAS** is therefore indicated for cases with a reduced vertical dimension of the mouth accompanied by a pulled back mandible and a tongue with a low and retropositioned posture.



**FURTHER INDICATIONS**

The **Elastoosas** Appliance is also indicated in case of:

- Bruxism (nocturnal grinding)
- Certain tension problems of a neuro-muscular nature
- Muscle-tension headaches in predisposed patients

**CONTRAINDICATIONS**

The **Elastoosas** Appliance is contraindicated in case of:

- Problems in the temporomandibular joints (TMJ)
- Dental elements with marked periodontal mobility
- Overt gingivitis

**AMCOP ELASTOOSAS**

