

SWEET DREAMS

THE BEST COMPONENTS FOR
DENTAL SLEEP MEDICINE DEVICES

FORWARD! PATENDED



**BIMAXILLARY APPLIANCE
DORSAL TYPE**

**TELESCOPIC
ADVANCER** PATENDED



**APPLIANCE WITH PLUG AND
TUBE COMPONENTS**

M.A.D.

MANDIBULAR
ADVANCER
DEVICE
SERIES



Orthodontics and Implantology

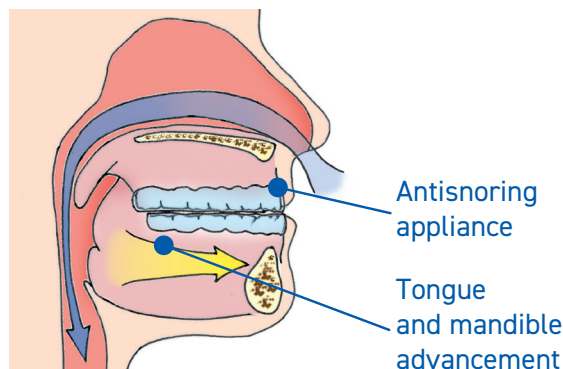
M.A.D.

SERIES LEONE

These intraoral nighttime appliances can treat snoring by acting directly on the mechanism which is the cause of it, by pushing the jaw forward. Mandibular repositioning pushes tongue forward and keeps epiglottis apart from uvula, thus solving the vibration of the soft tissues of the palate to the passage of air which creates the snoring sound. mad appliances are also used for the treatment of sleep apnea (osa) as they can solve the obstruction of rear airway tissues by restoring breathing capacity during sleep.

The American Academy of Dental Sleep Medicine reports that bimaxillary appliances made in the laboratory are more effective and, above all, allow a further gradual progress of 4-5 mm since the first check bite registration. There exist several mad design appliances worldwide used to treat snoring and obstructive sleep apnea: we have decided to accomplish and improve the components which are used for the most widely known appliances, thus having better evidence of clinical and scientific efficacy.

This is our proposal in compliance with the requirements of any clinical specialist: **appliance efficiency, high safety standards, stability and comfort for patient.**



FORWARD!

PATENTED

ANTISNORING KIT

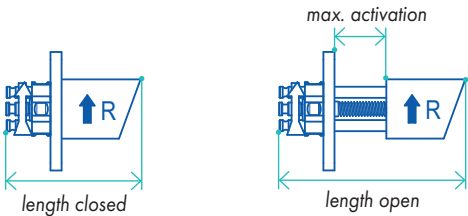
A5300-07 1 appliance



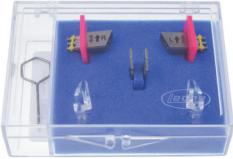
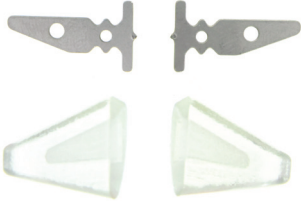

The first hardware kit specifically engineered for the antisnoring bimaxillary dorsal type appliance.

This time-saving Kit includes all the necessary components for an easier and more precise construction of the appliance.

The kit for the assembly of 1 appliance is composed of:

- 2 upper screws, 1 right and 1 left
- 2 lower wings with inner steel frame, 1 right and 1 left.



FORWARD! * ANTISNORING KIT	CODE	length closed	length open		
				max. activation	4 activations
	A5300-07	18 mm	25 mm	7mm	0.4 mm
REFILLS FOR FORWARD! ANTISNORING KIT					
Lower wings with inner steel frame 	A5301-00	Pack of: - 1 left lower wing with steel frame - 1 right lower wing with steel frame			
Screw 70° angulated body 	A5302-00	Pack of: - 1 upper right screw - 1 upper left screw			



The upper screws are specifically designed to get a thrust on the inclined plane of the lower unit: the protrusive anterior portion is a **metallic body perfectly inclined at 70°**, while the back portion has extensive retention capacity for the acrylic to avoid breakage. The screw mechanism has a **built-in stop** that gives both **perfect friction** and stability during the forward movement, as well as preventing the screw from coming apart once **7 mm** of maximum elongation is reached.



The lower wings, one right and one left, are **anatomically shaped for superior comfort** and perfect matching with the 70° inclined plane of the upper screw bodies. The clear material is fully compatible with any orthodontic acrylic resin, while the inner metallic **frame can be anatomically adapted** and incorporated into the resin of the lower splint, to ensure superior strength for the mandibular advancement in adult patients.

Each upper screw has an arrow clearly laser marked on metal front body, indicating the **direction of activation** to get the forward movement. The screws, both left and right, are specific manufactured to get a **single direction of activation on both sides** and minimize errors. Each directional activation generates 0.1 mm advancement.

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TELESCOPIC ADVANCER PATENTED

ANTISNORING KIT

A5100-07 1 appliance MEDIUM
A5200-07 1 appliance LONG

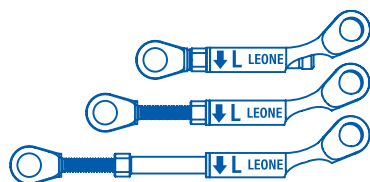
The kit, specifically engineered for the realization of an anti-snoring appliance with telescopic plugs and tubes, includes all the components for an easier and precise construction of the appliance.

- 1 kit for the assembly of 1 appliance is composed of:
- 2 telescopic arms (plug and tube), 1 right and 1 left
 - 4 positioning support with steel wire for acrylic
 - 4 fixing screws for positioning support
 - 1 wrench for activation

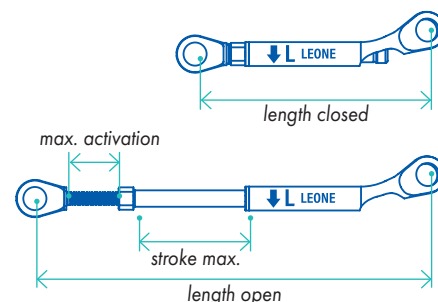
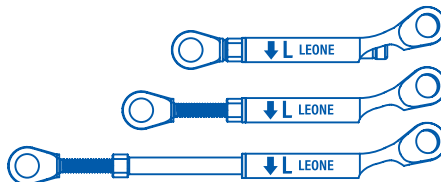
A multiple kit for the assembly of 10 appliances is also available.



PLUG AND TUBE MEDIUM



PLUG AND TUBE LONG



TELESCOPIC ADVANCER	CODE	length closed	length open	stroke max.	max. activation	4 activations
	A5100-07 MEDIUM	26 mm	43 mm	10 mm	7mm	0.4 mm
	A5200-07 LONG	31 mm	53 mm	15 mm	7mm	0.4 mm
PLUG AND TUBE COMPONENTS (1R AND 1 L)						
	A5101-02 MEDIUM	26 mm	43 mm	10 mm	7 mm	0.4 mm
	A5201-00 LONG	31 mm	53 mm	15 mm	7 mm	0.4 mm
REFILLS FOR TELESCOPIC ADVANCER						
	A5101-00	Pack composed of: - 4 fixing screws for support - 1 wrench for activation of the advancer				
	A5101-01	Pack composed of: - 4 positioning supports - 4 fixing screws for support - 1 wrench for activation of the advancer				

P1505-00

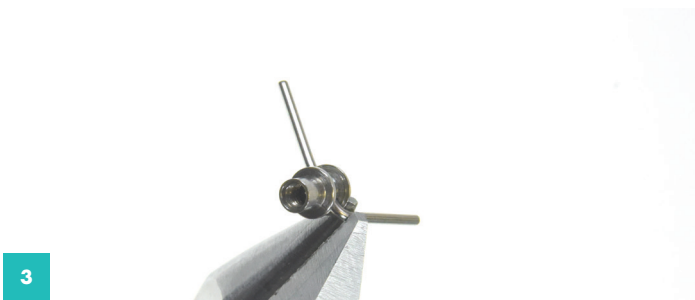
FAN-TYPE WRENCH

Thanks to its design, this screwdriver allows you to easily tighten the fixing screws for support of the Telescopic Advancer device.





The plug and tube components are manufactured by using **biocompatible stainless steel with the highest strength** available providing durability to any biomechanical stress. The plug component features a special design that does not permit the disassembling from the tube once the patient is in mouth wide-open position.



The positioning supports are designed to be embedded in the acrylic splint: they feature a **laser welded wire throughout** that can be easily bent to enhance the resin retention and avoid unwanted detachment. The outer part presents a threaded portion to accommodate the square head screws binding the ends of the hinges.

The wrench for activation supplied with the kit can be used in the laboratory to tighten the square head screws.



The same instrument is necessary to activate the square head advancer screw into the plug in the direction indicated by the laser etched arrow: each quarter turn of activation produces 0.1 mm advancement. **The maximum elongation is 7mm on both sides.**



A ruler is laser etched on the wrench handle to check the activation length throughout treatment.

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