

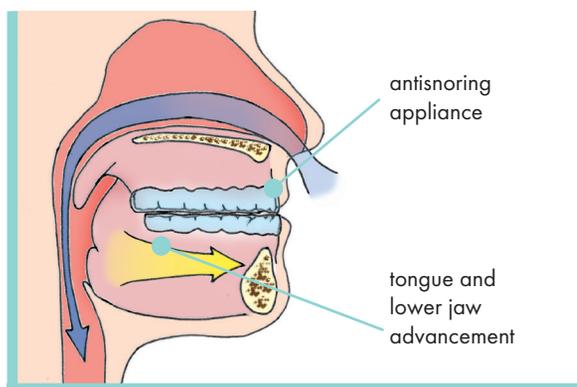
ANTISNORING APPLIANCES



A

M.A.D. SERIES LEONE

These intraoral nighttime appliances can treat snoring acting directly on the mechanism which is the main cause of it, pushing the lower jaw in a forward position. Mandibular repositioning pushes forward also the tongue and the epiglottis, spacing them from the uvula, thus to solve soft tissues vibration during the airflow, that is what produce the snore sound. MAD appliances can be used for the treatment of sleep apnea (OSA) since they can solve the rear airways obstruction by restoring breathing capacity during sleeping time. The American Academy of Dental Sleep Medicine claims that the most efficient appliances are bi-maxillary type, custom-made by a dental lab and, furthermore, they must allow an additional advancement over the construction bite position, about 4-5 mm. There are all over the world, many different type of MAD appliances to treat snoring syndrome and sleep apnea: we have decided to accomplish, and improve, the elements for the realization of the most widely used appliances according even with the clinical and scientific proven efficiency. This is our proposal based on the requirements of any clinical specialist: **appliance efficiency, high safety standards and stability and comfort for the patient.**



ANTISNORING BIMAXILLARY DORSAL TYPE APPLIANCES

FORWARD!*



FORWARD! *new*
MAX RETENTION*

TELESCOPIC ADVANCER PLUGS AND TUBE APPLIANCES

**TELESCOPIC
ADVANCER***



**TELESCOPIC
ADVANCER DUAL*** *new*

*PATENTED



FORWARD!

ANTISNORING KIT

A5300-07 1 appliance



A5300-17 10 appliances

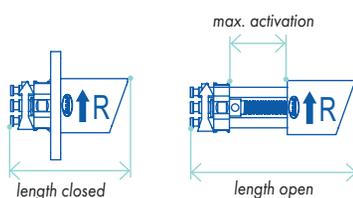
The first hardware kit specifically engineered for the antisnoring bi-maxillary Dorsal type appliance.

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 made up of:

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

A multiple kit for the construction of 10 appliances is available.



length closed	length open	max. activation	4 activations
18 mm	25 mm	7 mm	0,4 mm

REFILLS FOR FORWARD!

A5301-00

Lower wings with inner steel frame



Pack content:

- 1 left lower wing with steel frame
- 1 right lower wing with steel frame

A5302-00

Screw 70° angulated body



Pack content:

- 1 upper right screw
- 1 upper left screw

new

FORWARD! MAX RETENTION ANTISNORING KIT

A5310-07 1 appliance



A5310-17 10 appliances



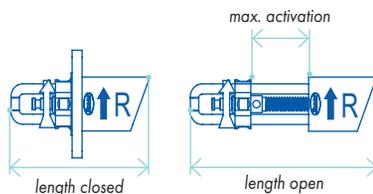
This kit is specially engineered for the realization of an antisnoring bimaxillary Dorsal type appliance and this version is featured by a higher retention capacity of the upper screws in the acrylic splint thanks to the distal "U" bent guide.

It contains all the necessary components for a fast and precise construction of the appliance.

The kit for the construction of 1 appliance is made up of:

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

A multiple kit for the construction of 10 appliances is available.



length closed	length open	max. activation	4 activations
20 mm	27 mm	7 mm	0,4 mm

REFILLS FOR FORWARD! MAX RETENTION

A5301-00

Lower wings
with inner steel frame



Pack content:

- 1 left lower wing with steel frame
- 1 right lower wing with steel frame

A5312-00

Max Retention 70° angulated screw
and "U" bent guide



Pack content:

- 1 upper right screw
- 1 upper left screw

FORWARD! AND FORWARD! MAX RETENTION FEATURES



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 angulated at 70°**, while the posterior portion has extensive retention capacity for the acrylic to avoid breakages. 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.



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 specifically manufactured to get a **single direction of activation on both sides** and minimize mistakes. Each directional activation generates 0.1 mm advancement.



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.



TELESCOPIC ADVANCER ANTISNORING KIT

A5100-07

1 MEDIUM appliance

A5200-07

1 LONG appliance



A5100-17

10 MEDIUM appliances

A5200-17

10 LONG appliances

The kit, specifically engineered for the construction of one antisnoring 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 made up of:

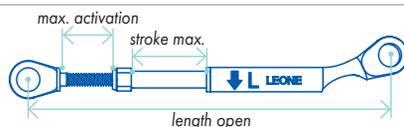
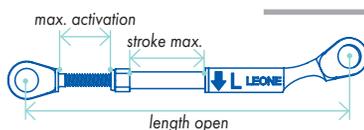
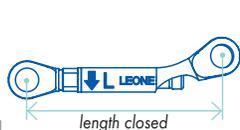
- 2 Telescopic arms (plug and tube), 1 right and 1 left
- 4 housings for acrylic
- 4 housing screws
- 1 wrench for activation

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



	length closed	length open	stroke max.	max. activation	4 activations
MEDIUM Telescopic arm	26 mm	43 mm	10 mm	7 mm	0,4 mm
LONG Telescopic arm	31 mm	53 mm	15 mm	7 mm	0,4 mm

1:1



REFILLS FOR TELESCOPIC ADVANCER

A5101-00

Housing screws and wrench for activation



Pack content:

- 4 housing screws
- 1 wrench for activation

A5101-01

Housings with screws and wrench for activation



Pack content:

- 4 housings for acrylic
- 4 housing screws
- 1 wrench for activation

A5101-02

MEDIUM Telescopic Arms



Pack content:

- 1 Telescopic Arm MEDIUM right
- 1 Telescopic Arm MEDIUM left

A5201-00

LONG Telescopic Arms



Pack content:

- 1 Telescopic Arm LONG right
- 1 Telescopic Arm LONG left



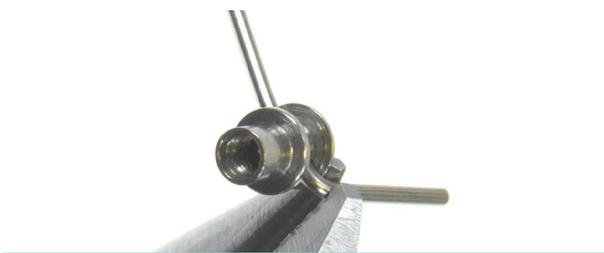
P1515-00

FAN-TYPE HAND WRENCH

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



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 even when the patient is in wide-open mouth position.



The housings for acrylic 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 Telescopic arms.

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 7 mm on both sides.



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



new TELESCOPIC ADVANCER DUAL ANTISONORING KIT



A5120-07
A5220-07

1 MEDIUM appliance
1 LONG appliance

A5120-17
A5220-17

10 MEDIUM appliances
10 LONG appliances

This kit is specially engineered for the construction of an antisonoring appliance with telescopic plugs and tubes and this version is featured by a dual possibility of activation. It can be activated either by acting on the square head portion of the inner advancer screw, or by using the pin of the wrench in the holes close to the square head portion. The two types of activation can be performed thanks to the dedicated extremities of the DUAL activation wrench, supplied with the device. The diameter of the advancer screw has been increased and its resistance is 25% higher than the standard model. The arms are specifically manufactured to have a single direction of activation on both the right and the left side, from the bottom to the top, to minimize the home activation mistakes and eventual asymmetries of the appliance. The advancer screw has alternatively

laser-marked bands that allow to measure the millimeters of protrusion. All the components are made up of high resistance biomedical stainless steel that ensures a high reliability to all biomechanical stresses. The peculiar shape of the telescopic plug and tube keeps connected the upper and the lower splints even when the patient's mouth is widely open. The kit, that is different from the Telescopic Advancer standard only for the Telescopic arms Dual, contains all the necessary components for a fast and precise construction of the appliance and it is made up of:

- 2 telescopic arms Dual (plug and tube), 1 right and 1 left
- 4 housings for acrylic
- 4 housing screws
- 1 Dual wrench for activation

A multiple kit for the construction of 10 appliances is available

	length close	length open	stroke max.	max. activation	4 activations
<p>Telescopic Arm Dual MEDIUM</p>	26 mm	43 mm	10 mm	7 mm	0,4 mm
<p>Telescopic Arm Dual LONG</p>	31 mm	53 mm	15 mm	7 mm	0,4 mm

REFILLS FOR DUAL TELESCOPIC ADVANCER

A5121-00

Housing screws and
Dual wrench for activation



Pack content:

- 4 housing screws
- 1 Dual wrench for activation

A5121-01

Housings with screws and
Dual wrench for activation



Pack content:

- 4 housings for acrylic
- 4 housing screws
- 1 Dual wrench for activation

A5121-02

Telescopic Arm Dual MEDIUM



Pack content:

- 1 Telescopic Arm Dual MEDIUM right
- 1 Telescopic Arm Dual MEDIUM left

A5221-00

Telescopic Arm Dual LONG



Pack content:

- 1 Telescopic Arm Dual LONG right
- 1 Telescopic Arm Dual LONG left



The Dual activation wrench can be used to activate the Telescopic arm by acting on both, the square head of the advancer screw and the hole close to the square head.



The direction of activation is laser marked on the Telescopic arm and it is the same for the Telescopic left and right arms (bottom to top). Each quarter turn of activation produces 0.1 mm advancement: the maximum elongation is 7 mm on each side.



The inner advancer screw has laser marked bands that, alternating with unmarked thread portions, allow to measure the amount of protrusion. Another element that allows a better perception of activation is the black arrow alternatively laser marked on the square nut.



In addition, a ruler is laser marked on the handle of the Dual wrench for activation, that allows to verify the millimeters of activation carried out during treatment.



PLATE HOLDERS

Manufactured from non toxic, unbreakable plastic. With inner socket for key and one space for patient's phone number.

- A3038-99** Small
- A3039-99** Large

PLATE HOLDER KIT ASSORTED COLORS

- Pack of 200:**
- 30 white
 - 30 pink
 - 40 yellow
 - 40 blue
 - 30 green
 - 30 orange



SMALL	LARGE	pkg.	colour	SMALL	LARGE	pkg.
A3038-00	A3039-00		white	A3038-93	A3039-93	
A3038-00S	A3039-00S		pink	A3038-93S	A3039-93S	
A3038-00G	A3039-00G		yellow	A3038-93G	A3039-93G	
A3038-00A	A3039-00A	10	blue	A3038-93A	A3039-93A	200
	A3039-00F		fluorescent		A3039-93F	
A3038-00V	A3039-00V		green	A3038-93V	A3039-93V	
A3038-00E	A3039-00E		orange	A3038-93E	A3039-93E	