

RAPID MOLAR DISTALIZER

A1730-91 1 case

A1730-99 10 cases












Leone First Class is the perfect appliance to get a rapid controlled distalization of the upper molars, conceived with the technical and scientific cooperation of Drs. Arturo Fortini, Massimo Lupoli and Mr. Massimiliano Parri. The vestibular and lingual tubes are made with **MIM**® technology for maximum comfort and precision. The bicuspid tube is a little higher to compensate the non perfect alignment of molars that may be found in some patients. One turn a day activation produces a distal movement of 0,1 mm sufficient to get molar distalization with a minimum loss of anchorage. The package is supplied with all the components necessary for the construction of the appliance.



Key with safety ring leash included in the package

REFILLS FOR FIRST CLASS LEONE

Packs of 10

| | | | content of 1 case kit |
|-------------------------------------|---|-----------------|-----------------------|
| Male screws |  | A1730-01 | 2 |
| Threaded tubes |  | A1730-02 | 2 |
| MIM ® vestibular tubes |  | A1730-03 | 2 |
| MIM ® palatal tubes |  | A1730-04 | 2 |
| MIM ® vestibular tubes, high |  | A1730-05 | 2 |
| Fixing rings |  | A1730-06 | 4 |
| Palatal wires |  | A1730-07 | 2 |
| Keys |  | A1730-08 | 1 |
| MEMORIA ® springs |  | A1730-09 | 2 |



P1730-91

PARALLELING DEVICE FOR FIRST CLASS LEONE

Specific device for the visualization and the maintenance of a parallel position between the vestibular screw and the lingual bar during soldering. The package is composed of 2 paralleling male screws, 2 paralleling devices and instructions for use.

DISTALIZER FAST BACK LEONE

FAST BACK




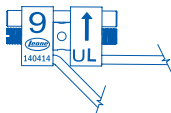







A1760-91 1 case

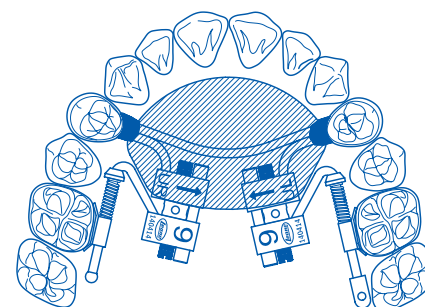
Fast Back is a device for the distalization of upper molars, developed through the cooperation of Dr. C. Lanteri and Mr. F. Francolini. The Fast Back device provides a translation movement of the molars using a pre-determined amount of pressure. There is no need for the cooperation of the patient thus maintaining a good anchorage control. The principle of the Fast Back distalization process is based on the compression of a **MEMORIA**® coil spring, available either in 200 g or 300 g, which exerts a constant force on the molar. The spring can be re-activated each month through the expansion of the screws in the device. The tube pre welded on the molar band, enables the screw arm to slide smoothly with total control of the direction of distalisation. The Fast Back kit contains all the elements needed for the construction of a bilateral Fast Back device.



Key with safety ring leash included in the package

REFILL FOR FAST BACK LEONE

| | | activation turns for maximum expansion limit |  | pkg. |
|------------------------------------|---|--|---|-----------------|
| Distalizer 9 mm UR |  | 40 | 0,8 mm | A1760-09 |
| Distalizer 9 mm UL | | | | A1761-09 |
| MIM ® palatal tubes |  | A1730-04 | | |
| Spherical ends |  | A1763-00 | | |
| Ends with hole for ligature |  | A1763-05 | | |
| Spring-compression stop |  | A1763-01 | | |
| MEMORIA ® coil spring 200 g |  | A1763-02 | | |
| MEMORIA ® coil spring 300 g |  | A1763-03 | | |
| Keys |  | A1763-04 | | |

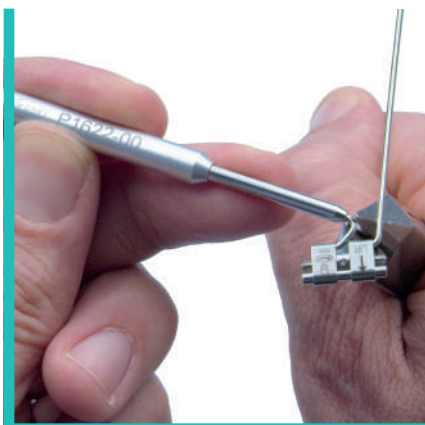


paks
of 10

P1622-00

ARM BENDING INSTRUMENT FOR FAST BACK

It facilitates the job of the technician during the construction of the device. It allows to maintain the linearity of the arm which has to slide on the palatal tube. The aluminium handle joined to the tempered steel tube assures a firm grip to get accurate bends.





A0558-00
EXPANSION SWIVEL KEY

Pack of 10



P1620-02
ARM BENDING INSTRUMENT
FOR EXPANDERS

Ideal to bend the expander arms with ease and precision.



PRE-BENT KEYS FOR EXPANDERS
WITH SAFETY LEASH

Stainless steel. Pre-bent at 45°. **For patient.**

A0557-03 10 keys,
10 safety leashes,
10 instructions for use

A0557-13 100 keys,
100 safety leashes,
100 instructions for use



A0557-00
STRAIGHT KEYS FOR EXPANDERS

Stainless steel. **Only for use in the laboratory.**
Packs of 100



P1621-00
INSTRUMENT
FOR ENDORAL ACTIVATION

Suggested for use with multifunctional orthodontic screws.



A0666-01
REAMER

It is used to tap holes into acrylics. Suitable for all expansion screws with 0,4 mm pitch. **Refill tip A0669-00.**

P1520-00
SCREWDRIVER

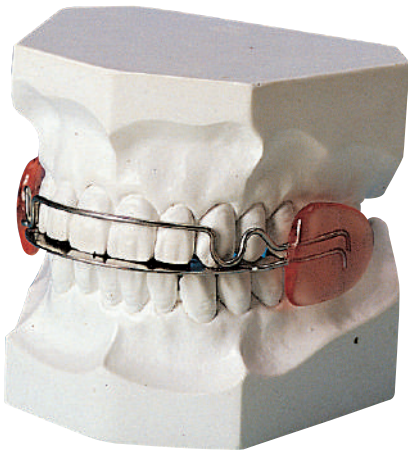
For micro spring screws. Tip: 1,5 mm.



MIM® ACTIVATOR TUBE
FOR EXTRAORAL FACEBOW

Manufactured with Metal Injection Moulding technology, it allows high retention into acrylics. Comfortable design.

A0761-45 ∅.045"
A0761-51 ∅.051"



BITE PLANES FOR FUNCTIONAL PLATES

A stainless steel range of products giving the chance of manufacturing high quality functional plates.
Packs of 10



A0720-10
STANDARD BITE PLANE
Soft, 0,5 mm.



A0596-10
ANATOMICAL DOUBLE BITE PLANE
Double bite plane in spring hard stainless steel.
Soft, 0,5 mm.



A0721-10
PLATE LATERAL LEVELS
Soft, 0,5 mm.



A0595-10
ANATOMICAL BITE PLANE
Soft, 0,5 mm.



A0722-00
DOUBLE BITE PLANE

M.A.D. SERIES LEONE

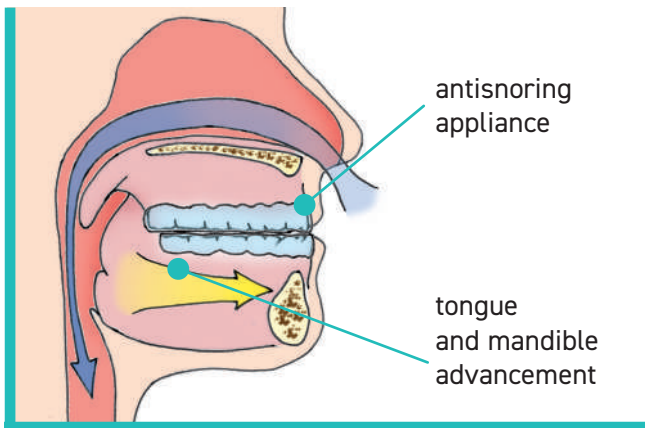
new

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!*

bimaxillary appliance
dorsal type



TELESCOPIC ADVANCER

appliance with plug
and tube components



*Patent pending

FORWARD!*

new

ANTISNORING KIT

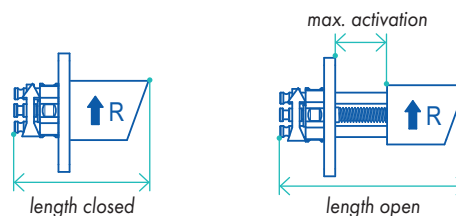
- A5300-07** 1 appliance
- A5300-17** 10 appliances

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 composed of:

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



| | length closed | length open | max. activation | 4 activations |
|-----------------|---------------|-------------|-----------------|---------------|
| A5300-07 | 18 mm | 25 mm | 7 mm | 0,4 mm |

REFILLS FOR FORWARD*

Lower wings with inner steel frame



A5301-00

- Pack of:
- 1 left lower wing with steel frame
 - 1 right lower wing with steel frame

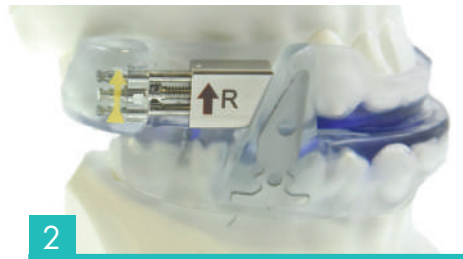
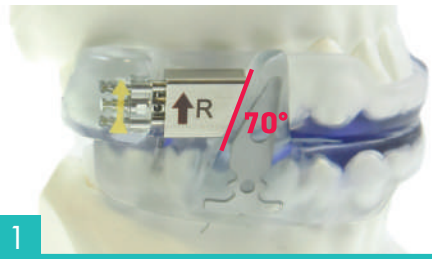
Screw 70° angulated body



A5302-00

- Pack of:
- 1 upper right screw
 - 1 upper left screw

*Patent pending



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 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.





TELESCOPIC ADVANCER ANTISNORING KIT

A5100-07 1 appliance MEDIUM

A5200-07 1 appliance LONG

A5100-17 10 appliances MEDIUM

A5200-17 10 appliances LONG

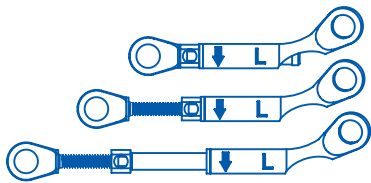
The kit, specifically engineered for the realization of an antisloring appliance with telescopic plugs and tubes, includes all the components for an easier and precise construction of the appliance.

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

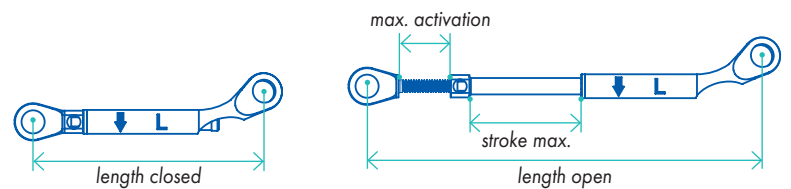
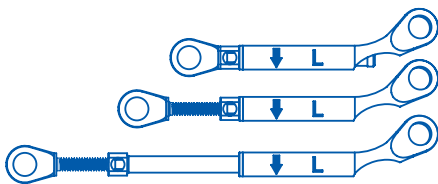
- 2 telescopic arms (plug and tube), 1 right and 1 left
- 4 positioning support with steel wire for acrylic
- 4 fixing screws for positioning support
- 1 wrench for activation

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

PLUG AND TUBE MEDIUM





PLUG AND TUBE LONG



| | length closed | length open | stroke max. | max. activation | 4 activations |
|------------------------|---------------|-------------|-------------|-----------------|---------------|
| A5100-07 MEDIUM | 26 mm | 43 mm | 10 mm | 7 mm | 0,4 mm |
| A5200-07 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 positioning supports - 1 wrench for activation of the advancer |



P1515-00 FAN-TYPE HAND WRENCH

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

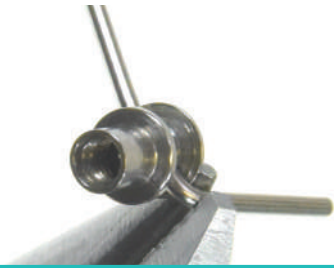


1



2

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.



3



4

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.



5



6

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.**



7

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



PLATE HOLDERS

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

PLATE HOLDER KIT ASSORTED COLORS

Packs of 200:
30 white, 30 pink, 40 yellow, 40 blue, 30 green, 30 orange

A3038-99 Small

A3039-99 Large



| small | large | pkg. | COLOUR | small | large | pkg. |
|-----------|-----------|------|-------------|-----------|-----------|------|
| A3038-00 | A3039-00 | 10 | white | A3038-93 | A3039-93 | 200 |
| A3038-00S | A3039-00S | | pink | A3038-93S | A3039-93S | |
| A3038-00G | A3039-00G | | yellow | A3038-93G | A3039-93G | |
| A3038-00A | A3039-00A | | blue | A3038-93A | A3039-93A | |
| | A3039-00F | | fluorescent | | A3039-93F | |
| A3038-00V | A3039-00V | | green | A3038-93V | A3039-93V | |
| A3038-00E | A3039-00E | | orange | A3038-93E | A3039-93E | |



R7001-00
ORTHO CLEANER LEONE

Specific product for cleaning of retainers, gumschields, removable orthodontic devices, bites, aligners and antisnoring appliances. It removes stains from tobacco, coffee, tea, iron, tartar and dental plaque.

Pack of 20 bags, 4 g each bag

