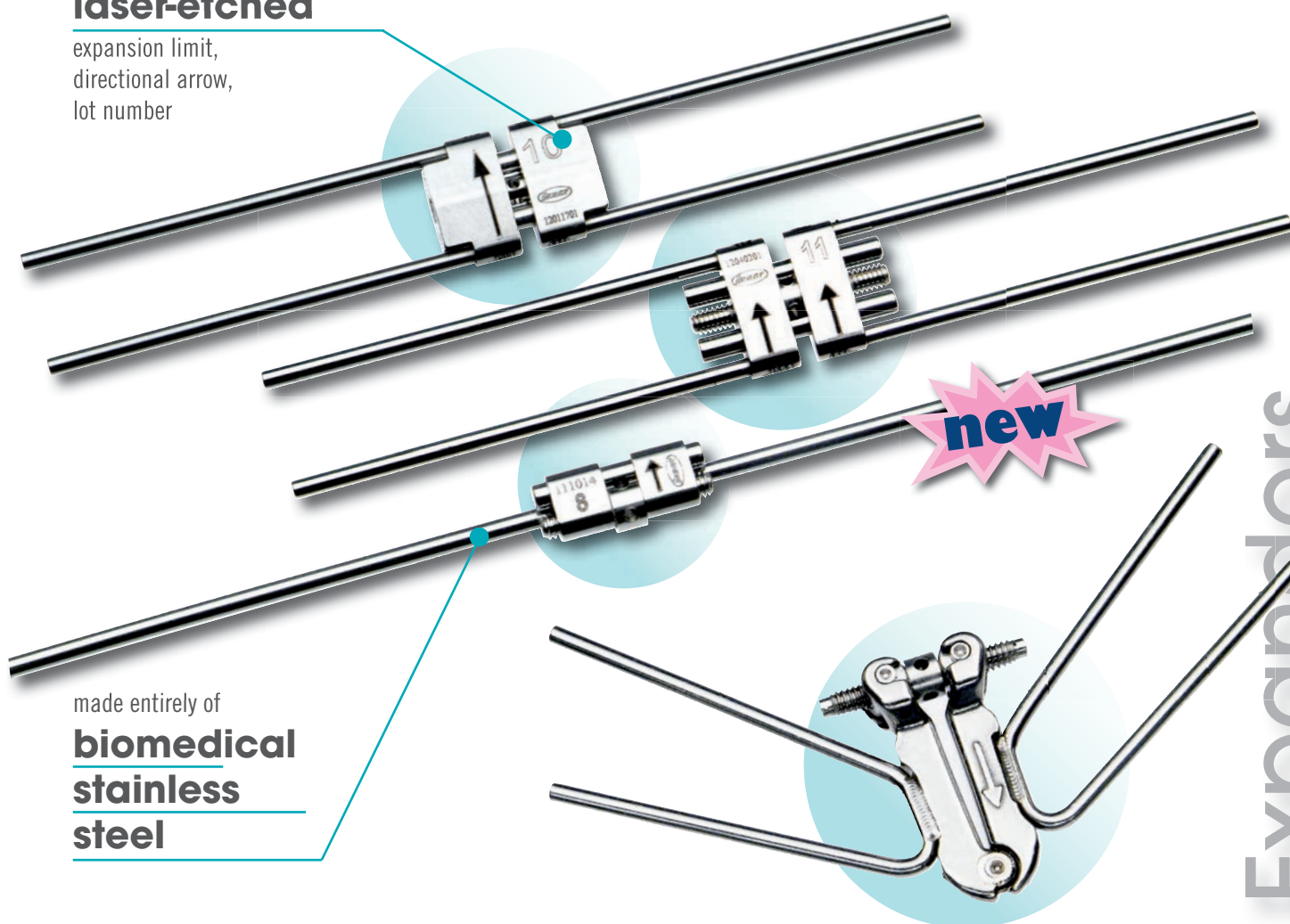


From over 40 years Leone palatal expanders have been widely used by orthodontists in the world with success. The experience obtained with million of patients treated with the A0620 Leone expanders has brought us to the manufacture of new versions to satisfy the different clinical demands.

laser-etched

expansion limit,
directional arrow,
lot number



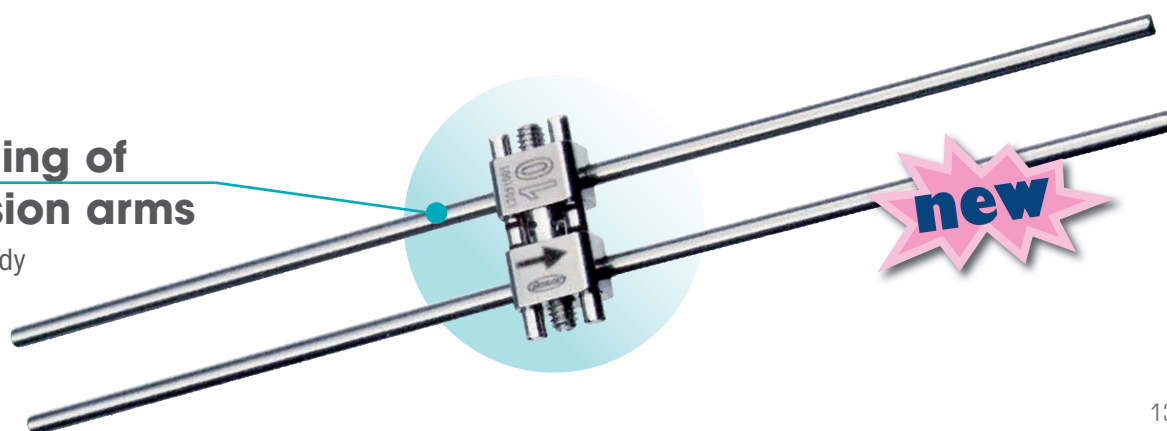
made entirely of

**biomedical
stainless
steel**

- The rapid expander A2620, more compact, allows high expansion limit with the aid of telescopic guides.
- The anatomical rapid expander A0630 with orthogonal arms allows for the fabrication of devices with small dimensions, high stability, comfort, and safety.
- Micro rapid palatal expanders A0621, with extra-long arms, are characterized by a body significantly smaller than other available expanders.
- The “Ragno” device solves treatment cases where higher expansion in the anterior zone is required.
- The spring activated expander which allows an amortized expansion.

laser welding of the extension arms

into the screw's body

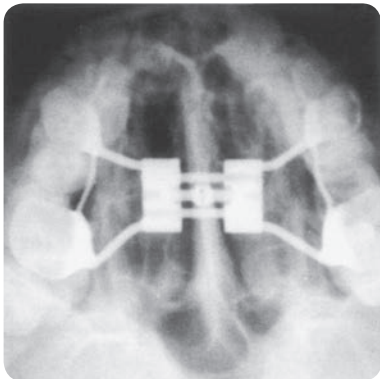




Key with safety ring leash
included in the package

RAPID EXPANDER

Made entirely of biomedical stainless steel.
The housing design is completely smooth, with no rough areas for a secure hygiene. The expander limit, a directional arrow and the lot number are laser engraved on the expander's body.
Packs of 1



 11 mm	 4 mm	 arms	 body			activation turns for maximum expansion limit
	A0620-08	1,5 mm	12 mm	8 mm	0,8 mm	35
	A0620-09	1,5 mm	14 mm	9 mm	0,8 mm	40
	A0620-11	1,5 mm	16 mm	11 mm	0,8 mm	50
	A0620-13	1,5 mm	18 mm	13 mm	0,8 mm	60

new



T3370-02

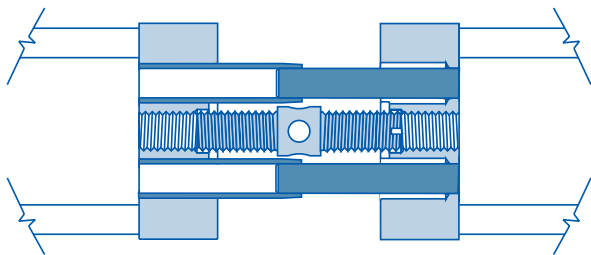
DEMONSTRATION ANATOMICAL MODEL WITH RAPID EXPANDER

Made of resin, two materials: transparent and white. Demonstration anatomical model with the bone and open suture in transparent resin and the sensitive dental structures (roots, impacted teeth, mandibular nerve) are highlighted in white resin.

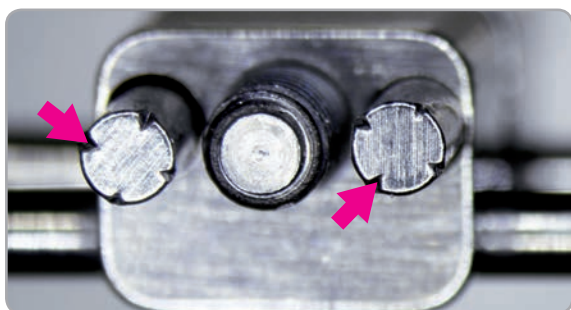


RAPID EXPANDER WITH TELESCOPIC GUIDES^(patented)

The innovative telescopic guides assure a constant friction throughout the expansion movement, a perfect stability and small sizes. It self deactivates when maximum expansion capacity has been achieved preventing from over-treatment. The 7 mm expander is ideal to treat very narrow palates. The 10 and 12 mm expanders, featuring a compact design, allow for ease of arm bending thus reducing the encumbrance of the device. Supplied with swivel key with handle to facilitate the endoral activation. Packs of 1



 11 mm	 4 mm	 arms	 body	 7 mm	 0,8 mm	activation turns for maximum expansion
 A2620-07		1,5 mm	11 mm	7 mm	0,8 mm	35
 A2620-10		1,5 mm	14 mm	10 mm	0,8 mm	50
 A2620-12		1,5 mm	16 mm	12 mm	0,8 mm	60



RAPID EXPANDER WITH ORTHOGONAL ARMS

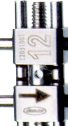
This new Leone anatomical expander is the ideal solution for patients who need an orthopaedic maxillary expansion, as it allows the fabrication of devices with limited dimensions, high stability, comfort, and safety. The small sizes of the body and the orthogonal position of the bending arms allow an optimal positioning of the expander even in case of very narrow palates, thus promoting the biomechanical control of the expansion. The swivel key allows for an easy intraoral activation by the patient.

Packs of 1



Key included in the package

- The orthogonal position of the arms reduces the overall size of the device
- The arms are housed within a through-hole into the body and the laser welding makes them to form an integral part of the screw, thus ensuring maximum safety and comfort for the patient.
- Two different placements are possible thanks to the marking of the arrows on both sides of the screw.
- Available in three expansion capacities for every therapeutic needs.
- The ends of the guide pins are micro-machined to provide a mechanical friction throughout treatment.
- The end-stop limits the possibility of over-treatment.

						activation turns for maximum expansion limit
6 mm	4,5 mm	arms	body			
	A0630-08	1,5 mm	12 mm	8 mm	0,8 mm	40
	A0630-10	1,5 mm	14 mm	10 mm	0,8 mm	50
	A0630-12	1,5 mm	16 mm	12 mm	0,8 mm	60



MICRO EXPANDER FOR PALATAL SUTURE

Featured by a significantly smaller body bulk than other competing expanders. It features two extra-long arms also performing support for anteriors and ensuring excellent stability and comfort for the patient. The micro expander can also be used for the expansion of the mandible. Packaged with a swivel key for endoral activation. Packs of 1



Key included in the package



- It can be positioned in the standard way, i.e. with the markings of the arrow and maximum expansion visible



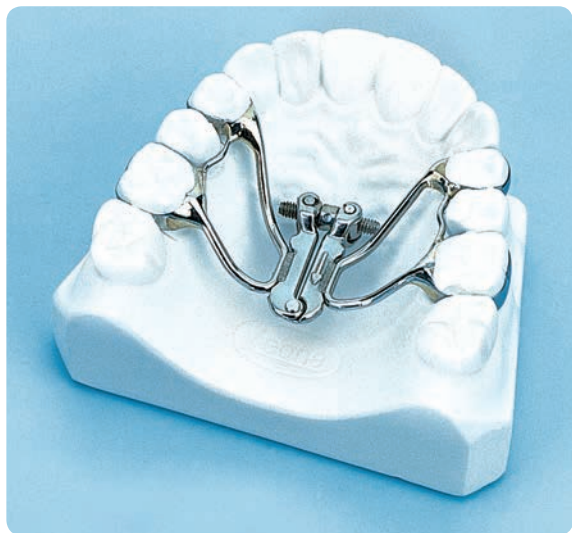
- or It can also be positioned upside down with the two arrows visible, in case of very narrow palates, to minimize the bulkiness of the arms once they are bent.

 4,95 mm	 4,05 mm	 arms 1,5 mm	 0,8 mm	 body mm	 activation turns for maximum expansion limit	
				12	8	35
A0621-08						
				16	11	50
A0621-11						



Key with safety ring leash
included in the package

						activation turns for maximum expansion limit
6 mm	4,5 mm	arms 1,5 mm	body			
			16 mm	11	0,8 mm	50
A3620-11						
						activation turns for maximum expansion limit
6 mm	4,5 mm	arms 1,5 mm	body			
			16 mm	11	0,8 mm	50
A3621-11						



A0625-09

RAGNO FAN-TYPE RAPID EXPANDER^(patented)

Conceived with the cooperation of Dr. Eleonora Schellino
and Prof. Remo Modica

Entirely made of biomedical stainless steel. The expanding arms are laser welded to the screw body. Laser engraved directional arrows.
it is a device for the rapid expansion of the palate that allows you to get a widening of the single anterior sector of the maxillary arch, still maintaining the expansion at the molar level.

Packs of 1



Key with safety ring leash
included in the package



		activation turns for maximum expansion limit
9 mm	0,9 mm	40



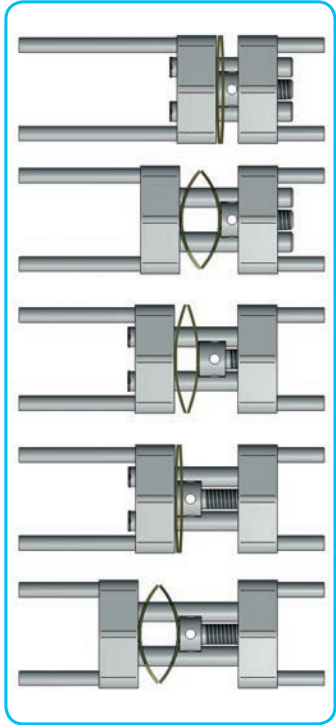
Key with safety ring leash
included in the package

MEMORIA® LEAF SPRING ACTIVATED EXPANDER

This device is an evolution in the design of the previous spring-loaded expander, designed with technical and scientific collaboration of Dr. Claudio Lanteri and Mr. Filippo Francolini. This new expander features a small size body, and it is equipped with two Nickel Titanium **MEMORIA®** leaf springs allowing the release of calibrated and continuous forces to promote the dental expansion of the maxillary arch. Re-loading is needed when the two opposing leaf springs move apart: the intraoral activation will put the springs in contact again allowing the release of the chosen force.

The expander is available in two models releasing either 500 g or 800 g

Packs of 1



	 11 mm	 4 mm	 arms	 body		 activation turns for maximum expansion limit
 A2703-06 light spring 500 g approx			1,5 mm	12 mm	6 mm	0,4 mm 35
 A2704-06 medium spring 800 g approx						

EXPANDER FOR LOWER ARCH Packs of 1



	 7,5 mm	 4 mm	 arms 1,5 mm	 body		 activation turns for maximum expansion limit
 A0623-08				12 mm	8 mm	0,8 mm 35
 A0623-11				16 mm	11 mm	0,8 mm 50



Key with safety ring leash
included in the package



Key with safety ring leash
included in the package

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.

REFILLS FOR FIRST CLASS LEONE

		pkg.
Male screws		A1730-01
Threaded tubes		A1730-02
MIM® vestibular tubes		A1730-03
MIM® palatal tubes		A1730-04
MIM® vestibular tubes, high		A1730-05
Fixing rings		A1730-06
Palatal wires		A1730-07
Keys		A1730-08
MEMORIA® springs		A1730-09

10



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

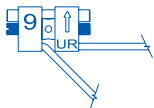
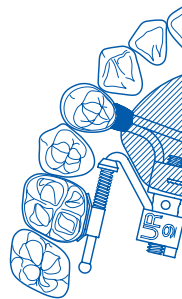


A1760-91 1 case

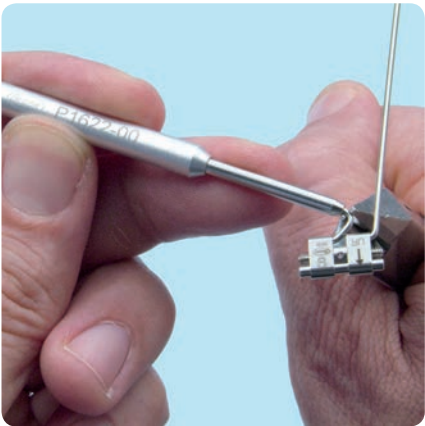
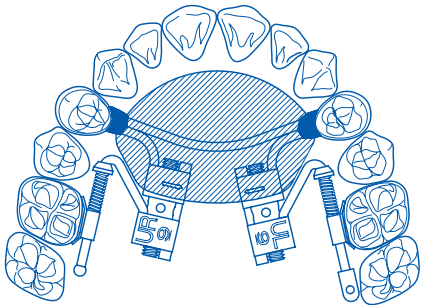
Fast Back is a device for the distalization of upper molars, developed through the cooperation of Dr. C. Lanteri and Mr. F. Francolini. The Fast Back device provides a translation movement of the molars using a pre-determined amount of pressure. There is no need for the cooperation of the patient thus 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



REFILLS FOR FAST BACK LEONE

		activation turns		pkg.
		for maximum expansion limit		
Distalizer 9 mm UR		40	0,8 mm	A1760-09
Distalizer 9 mm UL				A1761-09
MIM® palatal tubes		A1730-04	paks of 10	
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.



MULTIFUNCTIONAL ORTHODONTIC SCREWS^(patented)

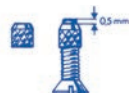
Developed with the assistance and clinical experience of Prof. Nicola Veltri, these screws are exclusively used to distalize the upper molars in a unilateral configuration only. Available either with 3 or 4 arms. Packs of 1



Key with safety ring leash included in the package

						activation turns
6 mm	4,5 mm	arms 1,5 mm	body			for maximum expansion limit
			16	11	0,8 mm	50
A3626-11						
			16	11	0,8 mm	50
A3628-11 R						
			16	11	0,8 mm	50
A3629-11 L						

STAINLESS STEEL MICRO SPRING SCREWS

					mm	pkg.	pkg.
					4	A0650-04	A0650-95
					6	A0650-06	A0650-96
					8	A0650-08	A0650-97
					12	A0653-12	
					3	A0654-03	
					3	A0655-03	
					6	A0665-06	A0665-95
					9	A0665-09	A0665-96
					6	A0660-06	A0660-95

A0668-95

MICRO SPRING SCREW KIT

Including 15 micro spring screws, 10 housing nuts, 15 positioning screws, reamer and screwdriver



A0558-00
EXPANSION SWIVEL KEY

Pack of 10



P1620-01
ARM BENDING INSTRUMENT
FOR EXPANDERS

Ideal to bend the expander arms with ease and precision.



P1621-00
INSTRUMENT
FOR ENDORAL ACTIVATION

Suggested for use with multifunctional orthodontic screws.



STAINLESS STEEL KEYS
Made of stainless steel.

- A0557-00** Straight
- A0557-01** 45° bent tip

Paks of 100

A0557-02
SAFETY RING LEASH
Paks of 100



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** Ø .045"
- A0761-51** Ø .051"

Paks of 10