



RAPID EXPANDER

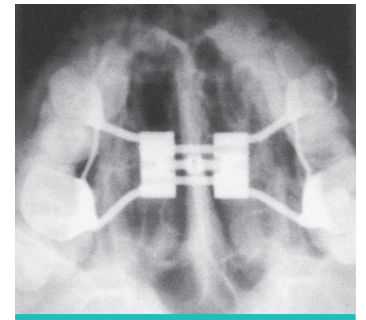
The best-selling palatal expander in the world

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 etched into the surface of the expander body. Supplied with a swivel key with handle and instructions for use to facilitate the patient endoral activation.

The arm bending and self-locking instrument P0620-00 (page 25) is also available.
Packs of 1



Swivel key included in the package



	11 mm	4 mm	∅	↔	↔	↻	activation turns for maximum expansion limit
			arms	body			
			1,5 mm	12 mm	8 mm	0,8 mm	35
			1,5 mm	14 mm	9 mm	0,8 mm	40
			1,5 mm	16 mm	11 mm	0,8 mm	50
			1,5 mm	18 mm	13 mm	0,8 mm	60
			1,5 mm	20 mm	15 mm	0,8 mm	70 new



A0600-00

PROTECTIVE TAB^(patented) FOR HAAS-STYLE PALATAL EXPANDER

new

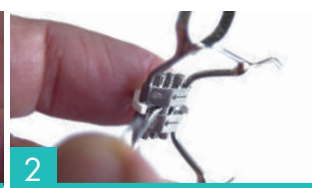
Made of two parts it allows for safe and easy protection of the activation holes from resin for rapid expanders A0620 type and the realization of expanders with palatal acrylic plate.

Pack of 10



1

Unlock the expander with 1 activation hole and fit the bottom into the space between the two bodies, then lock the expander again.



2



3

Simply apply the upper part of the tab which is shaped to cover and protect the holes on screw's head from acrylic.



4

Once embedded into the acrylic plate, remove the top of the tab and, after cutting the resin, unlock the expander for some holes, and the rear part will also be easily removed.

RAPID EXPANDER WITH PRE-BENT ARMS











new

Exactly the same as A0620 expander for all technical features and materials used, but designed with pre-bent arms to facilitate the work in the laboratory. The front arms are more inclined than the rear arms to allow the positioning of the expander's body in the most comfortable way for the patient with the best biomechanical results. Provided with one swivel key with handle and instructions for use to facilitate the patient endoral activation.

Packs of 1



Swivel key included in the package

	 11 mm	 4 mm	 arms	 body	 8 mm	 0,8 mm	activation turns for maximum expansion limit
 A0620W08			1,5 mm	12 mm	8 mm	0,8 mm	35
 A0620W09			1,5 mm	14 mm	9 mm	0,8 mm	40
 A0620W11			1,5 mm	16 mm	11 mm	0,8 mm	50
 A0620W13			1,5 mm	18 mm	13 mm	0,8 mm	60



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.












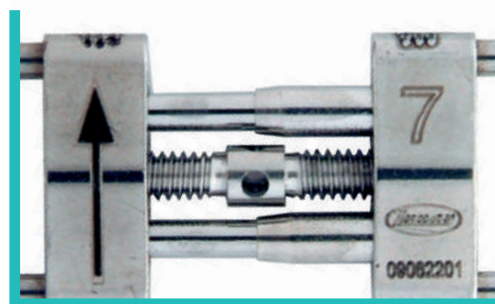
RAPID EXPANDER WITH TELESCOPIC GUIDES^(patented)

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 expanders with 10 and 12 mm sizes feature a compact design for ease of arm bending and reducing the overall dimensions of the device. Supplied with a swivel key with handle and instructions for use to facilitate patient endoral activation. The arm bending and self-locking instrument P0620-00 (page 25) is also available. Packs of 1



Swivel key included in the package

	 11 mm	 4 mm	 arms	 body			activation turns for maximum expansion limit
 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



telescopic guide pins*

avoid the possibility of spontaneous deactivation in the mouth

**International patent*

MICRO EXPANDER

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. Provided with one swivel key with handle and instructions for use to facilitate the patient endoral activation.

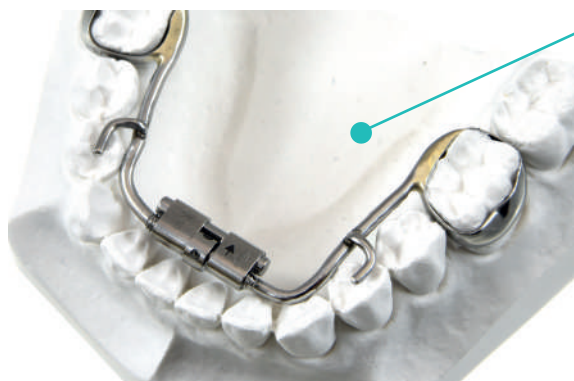
The arm bending and self-locking instrument P0621-00 (page 25) is also available.

Packs of 1



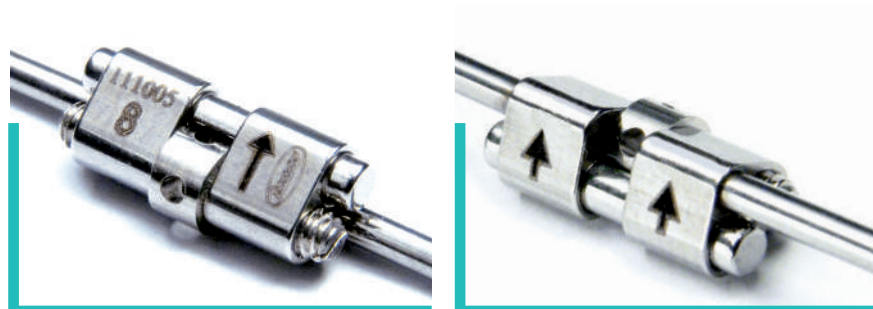
Swivel key included in the package

lower arch expansion











arm length
68 mm

new



- 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							

new

**MICRO EXPANDER FOR PALATAL SUTURE
EASY ACCESS**



A1621 expander called "Easy Access" is comparable to the existing A0621, but once placed in the device, the body of the screw will remain closer to the palate with minimized overall dimensions; the head with activation holes remains in front position in respect to the guide pin for easier activation with the key.

Provided with one swivel key with handle and instructions for use to facilitate the patient endoral activation.

The arm bending and self-locking instrument Cat. P0621-00 (page 25) is also available.

Packs of 1

ok ORTHODONTICS
FOR KIDS

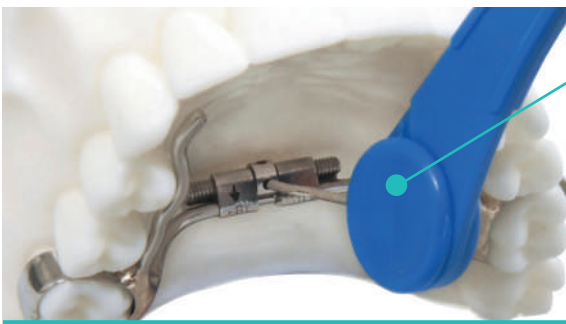


Swivel key included in the package



anterior position

holes of activation



easy access

for key activation

3 expansion value

for any therapeutic treatment

	 4,95 mm	 4,05 mm	 arms 1,5 mm	 0,8 mm	 body mm	 activation turns for maximum expansion limit	
 A1621-08					12	8	35
 A1621-11					16	11	50
 A1621-13					18	13	60

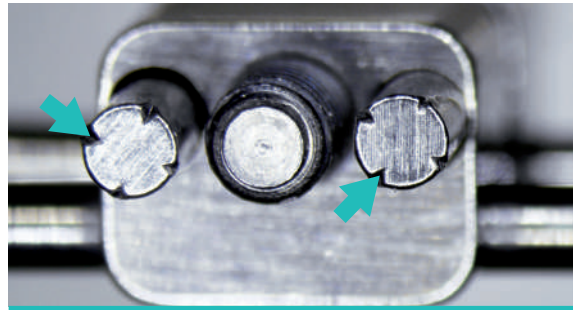
RAPID EXPANDER WITH ORTHOGONAL ARMS

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.

Supplied with a swivel key with handle and instructions for use to facilitate the patient endoral activation.







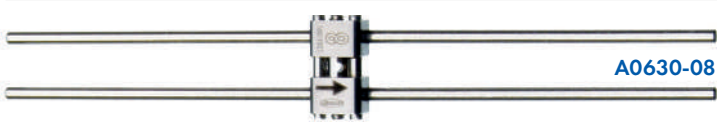
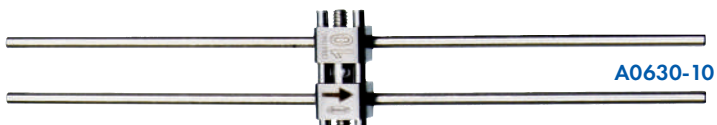

The arm bending and self-locking instrument P0630-00 (page 25) is also available.

Packs of 1



Swivel 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.

	 6 mm	 4,5 mm	 arms	 body		 activation turns	for maximum expansion limit
 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

RAGNO FAN-TYPE RAPID EXPANDER AND MINI RAPID EXPANDER ^(patented)

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

Made entirely of biomedical stainless steel. The expanding arms are laser welded to the screw body. Laser engraved directional arrows on the **MIM**[®] body. 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. It self-deactivates when maximum expansion capacity has been achieved preventing from overtreatment. The difference between the two models is the geometric shape of the front part: A0625-07 is designed to be able to place the screw as high as possible in the palate trying to determine the minimum encumbrance. The overall size is approximately 20-25% mm less than those of the 9 mm version.

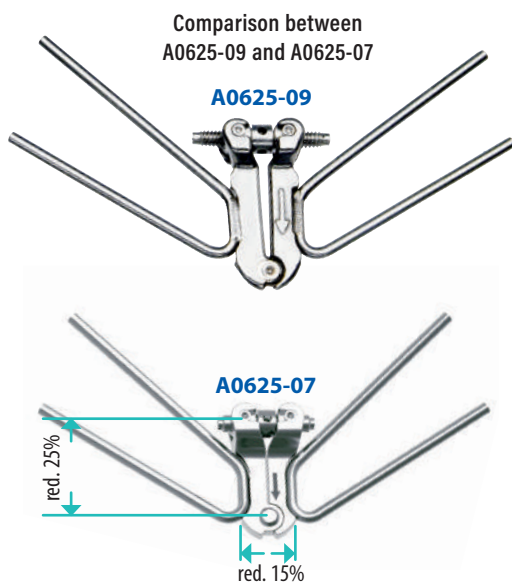
Provided with one swivel key with handle and instructions for use to facilitate the patient endoral activation.

The arm bending and self-locking instruments P0625-09 for expander A0625-09 and P0625-07 for A0625-07 mini expander (page 25) are also available.

Packs of 1



Swivel key included in the package



			activation turns for maximum expansion limit
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A0625-09	9 mm	0,9 mm	40
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new

			activation turns for maximum expansion limit
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A0625-07	7 mm	0,9 mm	31
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LEAF EXPANDER® MEMORIA® LEAF SPRING ACTIVATED EXPANDER (patented)

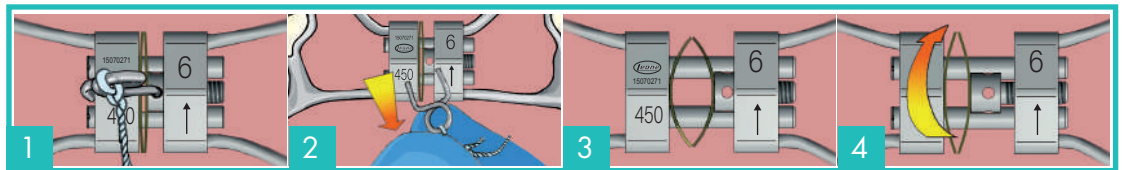


This device is an evolution in the design of the previous spring-loaded expander, designed with technical and scientific collaboration of Dr. Claudio Lanteri and Mr. Filippo Francolini. This new expander features a small size body, and it is equipped with two Nickel Titanium **MEMORIA®** leaf springs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

The expander is available in two models releasing respectively 450 g and 900 g. **The package includes a special clip** to keep the leaf springs compressed by facilitating the phases of work and development of treatment either for clinician and technician. Supplied with a swivel key with handle to facilitate the endoral activation by the professional. The arm bending and self-locking instrument P0620-00 (page 25) is also available. Packs of 1



ENDORAL USAGE SCHEME



Model	Spring Force	Number of Springs	11 mm	4 mm	arms	body	activation turns		
A2703-06	450 g approx	2 springs	11 mm	4 mm	1,5 mm	12 mm	6 mm	0,4 mm	30
A2704-06	900 g approx	2 springs	11 mm	4 mm	1,5 mm	12 mm	6 mm	0,4 mm	30
A2703-09	450 g approx	3 springs	11 mm	4 mm	1,5 mm	12 mm	9 mm	0,4 mm	45
A2704-09	900 g approx	3 springs	11 mm	4 mm	1,5 mm	12 mm	9 mm	0,4 mm	45

EXPANDER ACTIVATION GUIDELINES

LEAF model	LEAF expander cementation	FIRST phase	SECOND phase	THIRD phase
6 mm A2703-06 - A2704-06	spring activation - 0 turns	after 6 weeks 10 turns	after 4 weeks 10 turns	after 4 weeks 10 turns
9 mm A2703-09 - A2704-09	spring activation - 0 turns	after 8 weeks 15 turns	after 6 weeks 15 turns	after 6 weeks 15 turns



A2700-00
EXPANSION MEASURING GAUGE
FOR LEAF EXPANDER*

new

Helpful to verify the expansion gained and the need to activate the expander or compress the springs again. Easy to place design, it makes easier to check the expansion value directly into the mouth.

Made of steel, suitable for hot and cold sterilization.
Pack of 1



LEAF **EXPANDER**[®]

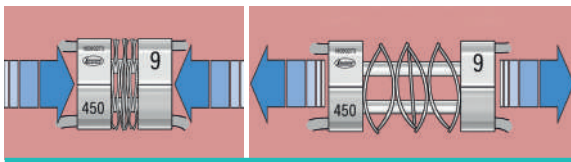
self

new

MEMORIA[®] LEAF SPRING
SELF-ACTIVATED EXPANDER^(patented)

Featuring all the advantages of the Leaf expander without the need of periodic reactivation. The work of this expander is assigned entirely to the flexible properties of the nickel titanium leaf springs releasing controlled and continuous forces.

The choice of the expander is decided on the basis of the transverse discrepancy of the patient: therapy is therefore predetermined and no further action is required, nor by the clinician nor even by the patient. Available in two strength levels and two expansion capabilities to meet nearly all maxillary deficiencies. The arm bending and self-locking instrument P0620-00 (page 25) is available.
Pack of 1



ok **ORTHODONTICS**
FOR KIDS



	A2705-06 4 springs 450 g approx	1,5 mm	12 mm	6 mm
	A2706-06 4 springs 900 g approx			
	A2705-09 6 springs 450 g approx	1,5 mm	12 mm	9 mm
	A2706-09 6 springs 900 g approx			

*Patent pending

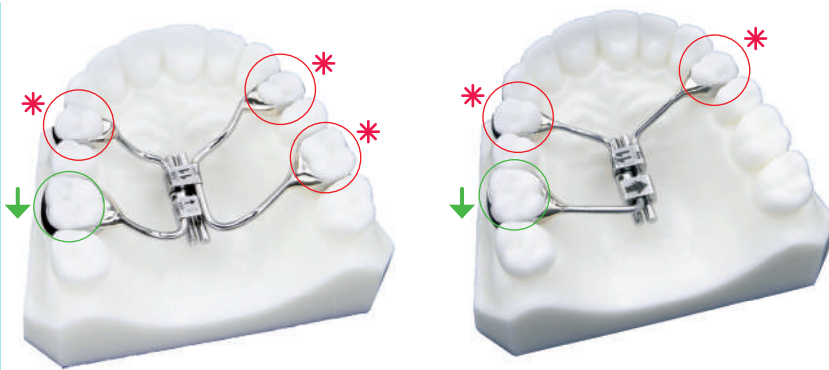


Swivel key included in the package

BABY RPE EXPANSION SCREW^(patented)

Developed with the assistance and clinical experience of Prof. Nicola Veltri, the RPE baby expansion screw is intended for the rapid expansion of the palate suture, and is available with either 2 or 4 arms. The model with 4 arms may be an alternative to the expander A0620, while the model with 2 arms may be an alternative to the expander A0621. Supplied with a swivel key with handle and instructions for use to facilitate the patient endoral activation. Packs of 1

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



* ANCHORAGE
↓ EXPECTED DENTAL MOVEMENT

MULTIFUNCTIONAL ORTHODONTIC SCREWS^(patented)

Intended for unilateral distalization and expansion of upper molars. Available with 3 or 4 arms. Featuring one guide only and expansion capacity up to 11 mm. Packs of 1








Key with safety ring leash included in the package

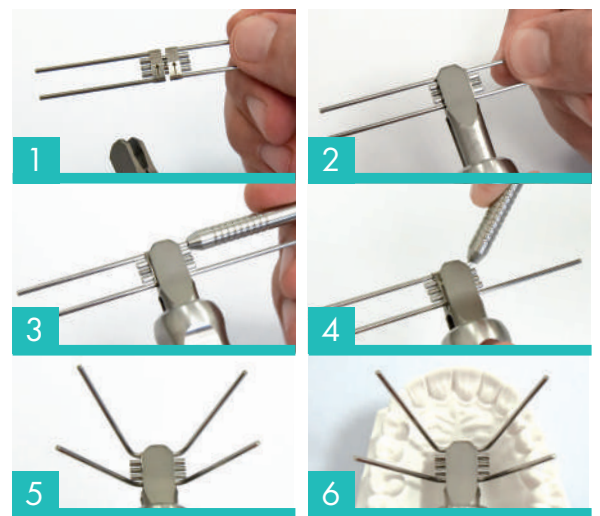
6 mm	4,5 mm	arms 1,5 mm	body	11	0,8 mm	activation turns for maximum expansion limit
			16	11	0,8 mm	50
A3626-11						
			16	11	0,8 mm	50
RIGHT A3628-11						
			16	11	0,8 mm	50
LEFT A3629-11						



ARM BENDING AND SELF-LOCKING INSTRUMENT^(patented) FOR EXPANDERS

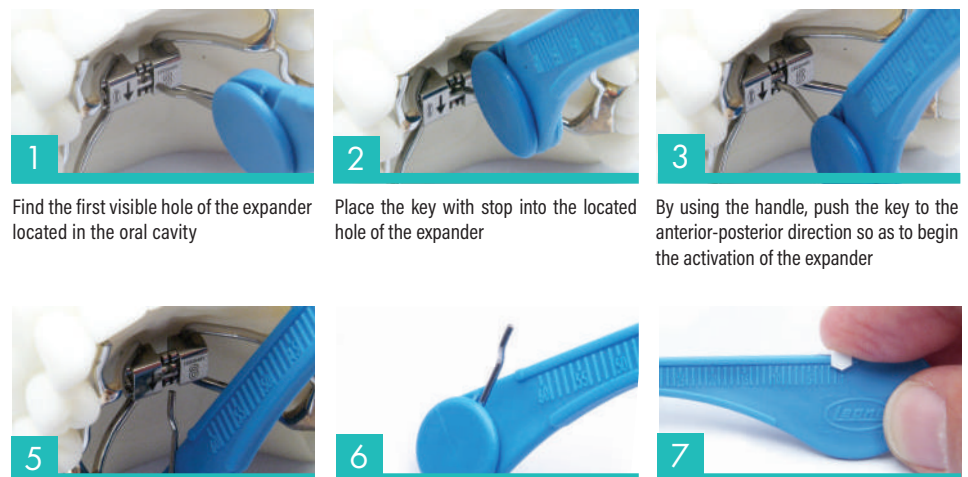
Handy instrument to firmly hold the expander; it allows for easy and accurate modeling of the arms along with the special arm bending P1620-02. The instrument ends, with a clutch mechanism, are shaped on the model of expander to avoid damage to the bodies and are kept closed by a cursor clamp device that is turned on and off with a simple thumb action. The edge thickness of the clutching ends is designed to indicate the minimum space between the body of the expander and the palatal vault. By placing the instrument with the screw on the plaster model, the correct inclination and the right height to bend the arms will be clearly visible. It is also useful to test the expander prior to use by opening and closing the expander with the special straight key.

for expanders		
	P0620-00	A0620-08/09/11/13/15 A2620-07/10/12 A2703-06/09 - A2704-06/09 A2705-06/09 - A2706-06/09
	P0630-00	A0630-08/10/12
	P0621-00	A0621-08/11 A1621-08/11/13
	P0625-09	A0625-09 new
	P0625-07	A0625-07 new



A0558-01 SWIVEL KEY WITH ACTIVATION TURN COUNTER^(patented)

The A0558-01 key is characterized by a "click" after each activation turn which can be heard by the user to control the activation turns of the expander in the oral cavity. A counter on the rear part of the handle enables the easy activation turn control by the patient.
Pack of 10



The activation ends when a "click" is detected by the key that exceeds the offset limit on the circular end of the handle (1 click equals ¼ turn)

Pull the key out of the hole when the activation is completed

Check that the key has reached the stop on the circular end of the handle

Place the tip of the white turn counter on the line corresponding to the number of turn activations done







EXPANDER FOR LOWER ARCH

As a result of various marketing requests, we introduce the expander with longer arms compared to the previous model.
Packs of 1



















**arm length
68 mm**

new

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	

STAINLESS STEEL MICRO SPRING SCREWS

			mm		pkg.	pkg.
	Micro spring screw		4	A0650-04	A0650-95	
	Micro spring screw		6	A0650-06	A0650-96	
	Micro spring screw		8	A0650-08	A0650-97	10
	Positioning screw		12	A0653-12		100
	Serrated housing nut		3	A0654-03		
	Solderable plain sleeve		3	A0655-03		
	One-tooth screw with round edge		6	A0665-06	A0665-95	
	One-tooth screw with round edge		9	A0665-09	A0665-96	10
	Micro screw		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