

# ORTHODONTICS

product catalogue

# 2010

twenty-sixth Italian edition

eleventh English edition



## ORTHODONTICS and IMPLANTOLOGY

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# LEONE



# Leone company



## Research

Most of the remarkable investments of the company are reserved to the Centre for Biotechnological Research "Marco Pozzi", which is located inside the company. Studies on materials, surfaces and technical analysis for new products are carried out here. The collaboration with either Italian or foreign Universities and the Faculties of Engineering and Dentistry in Florence is very close. Training stages and scientific research are developed for the preparation of graduation thesis.



## Production

Engineers, mechanical and technical experts are making part of the manufacturing staff. Working side by side with the Centre for Biotechnological Research "Marco Pozzi" and making use of the most advanced technology, they are able to carry out the components of the two product ranges: orthodontics and implantology. All the innovations introduced in the production steps and the features of finished products are the result of consistent and in-depth studies as well as of remarkable investments.



## Quality - Product control

The high quality of the LEONE products is the result of sophisticated manufacturing techniques and accurate quality control conforming to UNI EN ISO 9001, ISO 13485 and USA-FDA 21 CFR Part 820 rules.

In 1934 the history of LEONE originated from a small handicraft activity and today it is an industrial reality of high technological and commercial level. The productive and industrial area spreads out over a surface of around 10.000 sq. m., where 125 people operate.



### Customer service

LEONE is working non stop to satisfy the customer's expectations and is represented with dealers in 60 countries. A careful pre-sale and post-sale customer assistance is provided by qualified technical and commercial staff to meet any requirement.



### Warehouse

Finished and semi-finished products are stocked and organized by vertical lift automatic cabinets allowing a rationalization of the space and a fully computer based processing of the orders. Standard orders are shipped within 24 hours in Italy and 5-6 working days in the foreign country.



### Culture - Training - Updating

Equipped with every multimedia device, the facility of 1000 sq.m is entirely dedicated to lectures and to the spreading of new therapeutic techniques. Training course, hands-on demonstrations and cultural events are being held for either Italian or foreign specialists.

**A****expansion screws**

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**C****wire and wire forms**

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**E****bands**

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**F****direct bonding**

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**G****brackets and tubes**

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**K****elastics and ligatures**

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**M****intra-extraoral and orthodontic mini implants**

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**P****pliers and instruments**

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**R****office and laboratory supplies**

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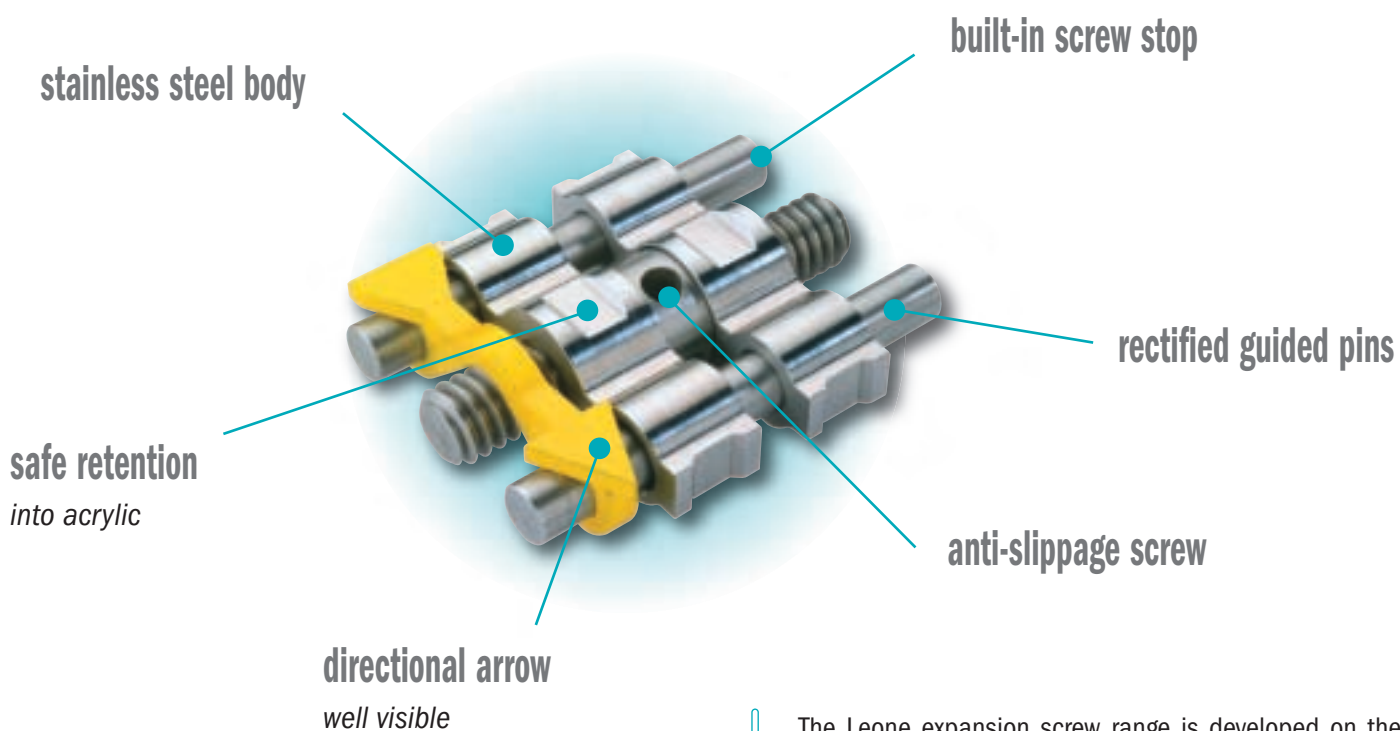
**T****diagnostic and laboratory equipment**

169/175

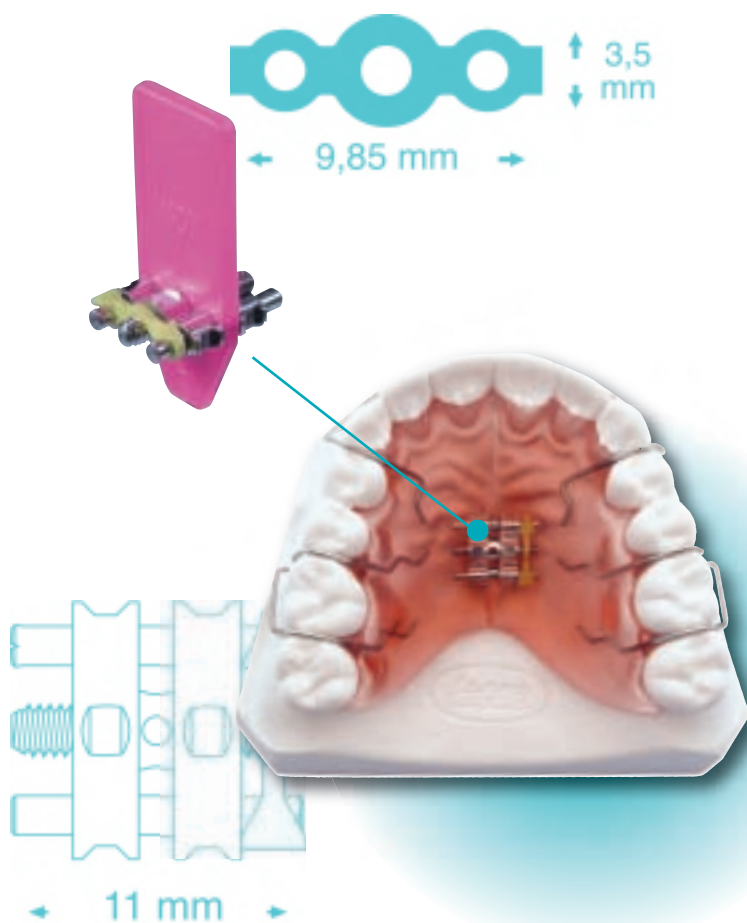
# expansion screws



# expansion screws standard



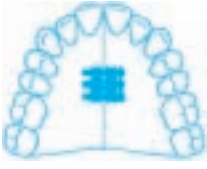
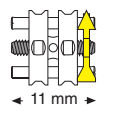

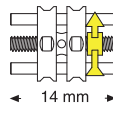






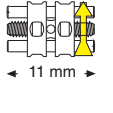

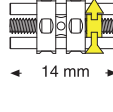

The Leone expansion screw range is developed on the basis of comprehensive studies and is manufactured using modern high tech and computer monitored machinery. All Leone orthodontic screws are made of biocompatible stainless steel and screw thread with a centesimal tolerance. The thread surface is completely smooth; the bodies and the guided pins are being manufactured with a tolerance of  $\pm 0.01$  mm thus ensuring absolute stability and precision. Expansion screws have been always used as the active part of any removable appliance. The range includes several types in various sizes with variable expansion capability and different technical properties: each type is provided with double guided pins and a directional arrow to indicate the direction of activation.




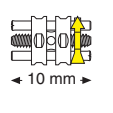

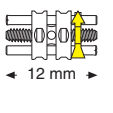
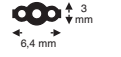





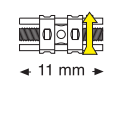

# expansion screws standard



STANDARD SCREW FOR UPPER APPLIANCES						pkg.
 	  0,8 mm      7 mm	<b>A0805-11</b> 10 <b>A0805-95</b> 100				
	  0,8 mm      9 mm	<b>A0805-14</b> 10 <b>A0805-96</b> 100				







MEDIUM SCREW						pkg.
 	  0,8 mm      7 mm	<b>A0803-11</b> 10 <b>A0803-95</b> 100				
	  0,8 mm      9 mm	<b>A0803-14</b> 10 <b>A0803-96</b> 100				











UNIVERSAL SCREW						pkg.
 	  0,7 mm      6 mm	<b>A0800-10</b> 10 <b>A0800-95</b> 100				
	  0,7 mm      8 mm	<b>A0800-12</b> 10 <b>A0800-96</b> 100				











SUPER MICRO SCREW						pkg.
 	  0,7 mm      6 mm	<b>A0890-11</b> 10 <b>A0890-95</b> 100				









# expansion screws standard



MICRO SECTIONAL SCREW					pkg.
 	 <p>← 10 mm →</p>	 <p>7,25 mm    3 mm</p>	0,4 mm	4 mm	<b>A0801-10</b> 10
					<b>A0801-95</b> 100

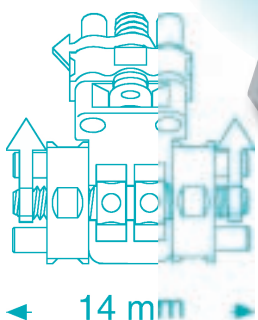
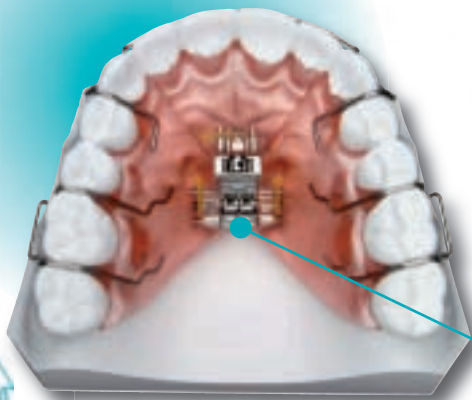
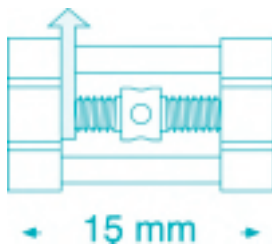
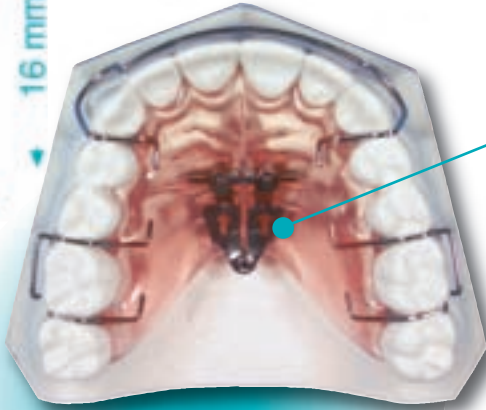
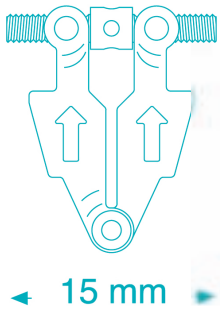
MICRO SECTIONAL SCREW WITH STRAIGHT U-SHAPED GUIDE PIN					pkg.
 	 <p>← 12 mm →</p>	 <p>7,25 mm    3 mm</p>	0,4 mm	4 mm	<b>A0801-12</b> 10
					<b>A0801-96</b> 100
	 <p>← 14 mm →</p>	 <p>7,25 mm    3 mm</p>	0,4 mm	6 mm	<b>A0801-13</b> 10
					<b>A0801-98</b> 100
	 <p>← 14 mm →</p>	 <p>7,25 mm    3 mm</p>	0,4 mm	4 mm	<b>A0801-14</b> 10
					<b>A0801-97</b> 100

MICRO SECTIONAL SCREW WITH BENT U-SHAPED GUIDE PIN					pkg.
 	 <p>← 13 mm →</p>	  <p>7,25 mm    3 mm</p>	0,4 mm	4 mm	<b>A0802-00</b> 10
					<b>A0802-95</b> 100
	 <p>← 13 mm →</p>	  <p>7,25 mm    3 mm</p>	0,4 mm	4 mm	<b>A0802-13</b> 10
					<b>A0802-96</b> 100

SUPER MICRO SECTIONAL SCREW					pkg.
 	 <p>← 9 mm →</p>	 <p>4,6 mm    2,5 mm</p>	0,35 mm	3 mm	<b>A0891-09</b> 10
					<b>A0891-95</b> 100
	 <p>← 10 mm →</p>	 <p>4,6 mm    2,5 mm</p>	0,35 mm	3 mm	<b>A0891-10</b> 10
					<b>A0891-96</b> 100



# special purpose expansion screws



The assortment of special expansion screws proposed by Leone derives from over 30 year experience in the manufacture of expansion screws.





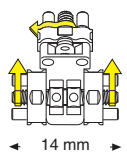

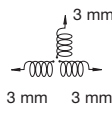
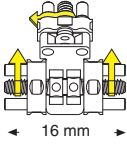

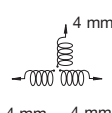
The screw selection ranges from the Pagani's classical fan type screw to the Bertoni's three directional one, or screws with acrylic friction.





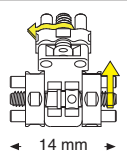

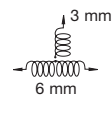
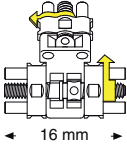

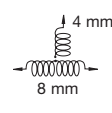
The special purpose expansion screws are made of bio-medical stainless steel with a mechanical tolerance superior to 1/100 mm.





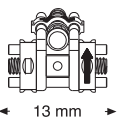

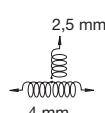
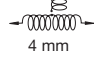
The thread parts are absolutely smooth and they ensure great sturdiness, good friction and prevent from any unwanted turning back.





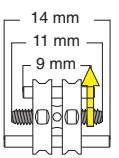

# special purpose expansion screws



THREE DIRECTIONAL SCREW ANATOMICAL							pkg.
  <p><b>3 activation points</b></p>	 <p>← 14 mm →</p>		0,4 mm	 <p>3 mm</p>	<b>A0930-14</b> <b>A0930-93</b>	1 5	
	 <p>← 16 mm →</p>		0,4 mm	 <p>4 mm</p>	<b>A0930-16</b> <b>A0930-94</b>	1 5	

THREE DIRECTIONAL SCREW ANATOMICAL							pkg.
  <p><b>2 activation points</b></p>	 <p>← 14 mm →</p>		0,4 mm protrusive	 <p>3 mm</p>	<b>A0931-14</b> <b>A0931-93</b>	1 5	
	 <p>← 16 mm →</p>		0,4 mm protrusive	 <p>4 mm</p>	<b>A0931-16</b> <b>A0931-94</b>	1 5	

THREE DIRECTIONAL SCREW ANATOMICAL FOR LOWER ARCH							pkg.
  <p><b>2 activation points</b></p>	 <p>← 13 mm →</p>		0,4 mm protrusive	 <p>2,5 mm</p>	<b>A0932-13</b> <b>A0932-93</b>	1 5	
				0,8 mm transversal	 <p>4 mm</p>		

TRAPEZOIDAL SCREW							pkg.
 	 <p>14 mm 11 mm 9 mm</p>	 <p>↑ 3,5 mm ↓ 7 mm ← 9,85 mm →</p>	0,8 mm	5 mm	<b>A0813-00</b> <b>A0813-95</b>	10 100	

# special purpose expansion screws



FAN-TYPE SCREW						pkg.
			0,8 mm	9 mm	A0515-14 A0515-95	1 100

ASYMMETRIC FAN-TYPE SCREW						pkg.
			0,8 mm	9 mm	A0516-14 A0516-95	1 100

FAN-TYPE SCREW 2 PIECES						pkg.
			0,8 mm	9 mm	A0815-14 A0815-95	1 100

MANDIBULAR BOW SCREW						pkg.
			0,8 mm	5 mm	A0517-25 A0517-95	1 100

BI FAN-TYPE SCREW						pkg.
			0,8 mm	9 mm	A0518-14 A0518-95	1 100

# special purpose expansion screws



TRACTION SCREW							pkg.
				0,4 mm	4 mm	A0812-00 A0812-95	1 100

SCREW WITH ACRYLIC FRICTION FOR UPPER APPLIANCE STANDARD							pkg.
				0,8 mm	7 mm	A0672-15 A0672-95	10 100

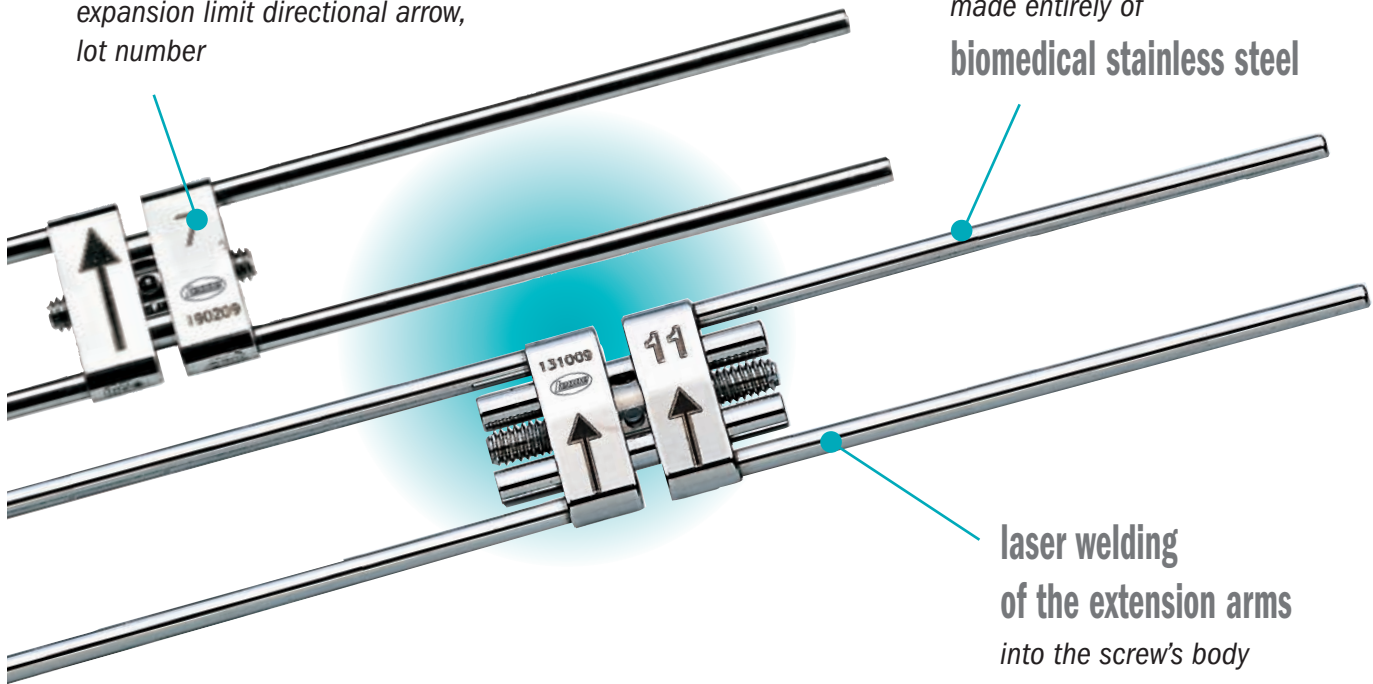
SCREW WITH ACRYLIC FRICTION FOR LOWER APPLIANCE STANDARD							pkg.
				0,8 mm	7 mm	A0671-15 A0671-95	10 100

MICRO SCREW WITH ACRYLIC FRICTION							pkg.
				0,8 mm	5 mm	A0670-11 A0670-95	10 100

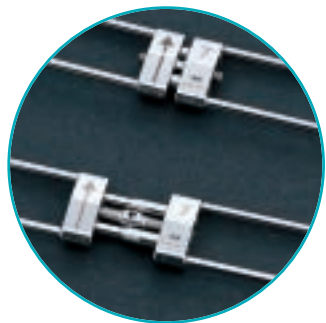
## laser-etched

expansion limit directional arrow,  
lot number

made entirely of  
biomedical stainless steel



laser welding  
of the extension arms  
into the screw's body



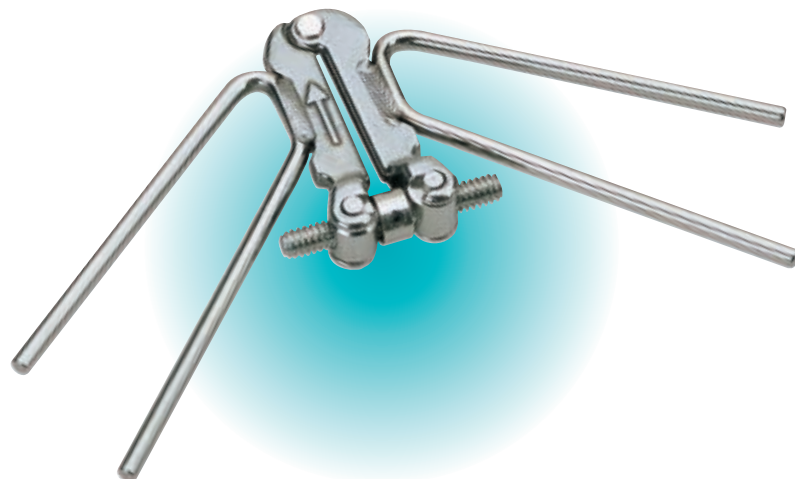
From over 30 years Leone palatal expanders have been widely used by orthodontists in the world with success.

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.

The rapid expander A2620, more compact, allows high expansion limit with the aid of telescopic guides.

The "Ragno" device solves treatment cases where a greater expansion in the anterior zone is required.

The spring activated expander which allows an amortized expansion.











# expanders



## 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.

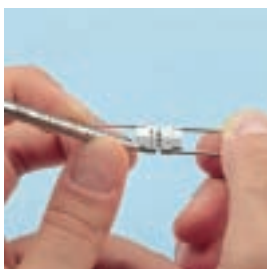


	 arms mm	 body mm		activation turns for maximum expansion limit			pkg.
	1,5	12	8 mm	35	0,8 mm	<b>A0620-08</b>	1
	1,5	14	9 mm	40	0,8 mm	<b>A0620-09</b>	1
	1,5	15	11 mm	50	0,8 mm	<b>A0620-11</b>	1
	1,5	18	13 mm	60	0,8 mm	<b>A0620-13</b>	1



## **A0558-00** Expansion swivel key

Pack of 10



## **P1620-01** Arm bending instrument for expanders

It allows for easy bending once inserted into the expander's arms.



## 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 overtreatment. 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

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

## Expander for lower arch



	arms mm	body mm	mm	activation turns for maximum expansion limit
	1,5	12	8 mm	35
	1,5	15	11 mm	50

Packs of 1

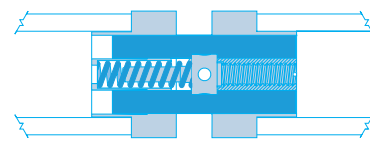
# expanders



## Spring activated expander

Ideal for dental expansion of the upper arch activated by the force released by the inner spring. Designed with technical and scientific collaboration of Dr. Claudio Lanteri and Mr. Filippo Francolini. The expander applies a constant force through the inner spring producing dental movement under biomechanical control.

The expander utilizes an integrated stop to prevent over expansion and can be re-activated monthly in the dental office utilizing a special key.



	arms mm	body mm	8 mm	activation turns for maximum expansion	0,4 mm		pkg.
	1,5	16	8 mm	50	0,4 mm	<b>A2701-08</b> light spring 500 g approx.	1
						<b>A2702-08</b> medium spring 800 g approx.	



## A0625-09

### Ragno fan-type rapid expander (patented)

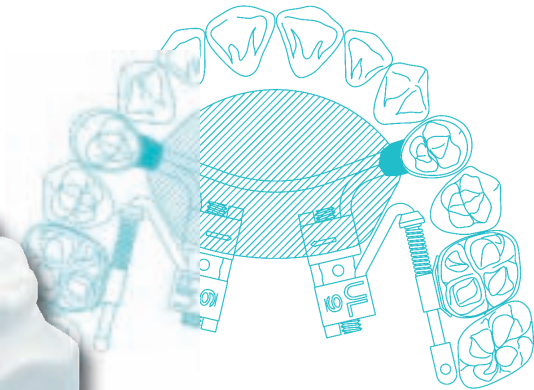
*Conceived with the cooperation of Dr.ssa Eleonora Schellino and Prof. Remo Modica*

Entirely made of biomedical stainless steel. The expanding arms are laser welded to the screw body. Laser engraved directional arrows.

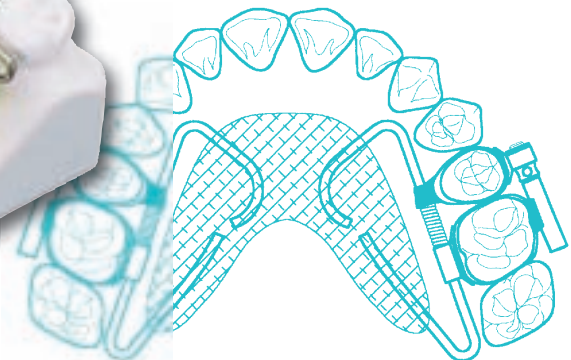
It is a device for the rapid expansion of the palate that allows you to get a widening of the single anterior sector of the maxillary arch, still maintaining the expansion at the molar level.

	9 mm	activation turns for maximum expansion limit	0,9 mm	pkg.
	9 mm	40	0,9 mm	1





As a result of the great experience acquired in the production of the expansion screws and thanks to the inventiveness of some professionals, we introduce different regulation distalizers, designed in respect of aesthetics, by ensuring good results and without the need of patient's cooperation.



# distalizers



## Rapid molar distalizer



**A1730-91** 1 case










**A1730-99** 10 cases

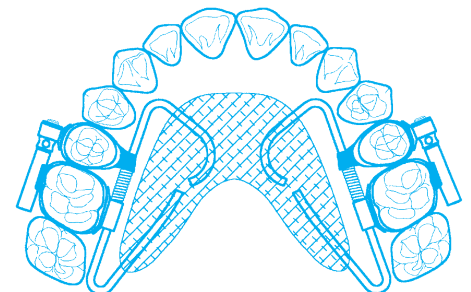
Leone First Class is the perfect appliance to get a rapid controlled distalization of the upper molars, conceived with the technical and scientific cooperation of Drs. Arturo Fortini, Massimo Lupoli and Mr. Massimiliano Parri.

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		<b>A1730-01</b>	10
Threaded tubes		<b>A1730-02</b>	
<b>MIM</b> ® vestibular tubes		<b>A1730-03</b>	
<b>MIM</b> ® palatal tubes		<b>A1730-04</b>	
<b>MIM</b> ® vestibular tubes, high		<b>A1730-05</b>	
Fixing rings		<b>A1730-06</b>	
Palatal wires		<b>A1730-07</b>	
Keys		<b>A1730-08</b>	
<b>MEMORIA</b> ® springs		<b>A1730-09</b>	



### 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

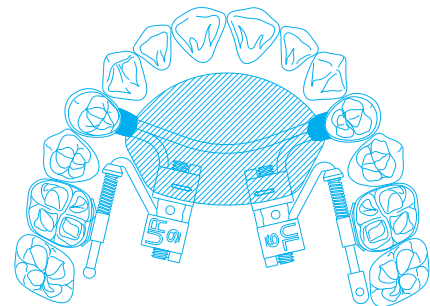
Fast Back is a device for the distalization of upper molars, developed through the cooperation of Dr. C. Lanteri and Mr. F. Francolini. The Fast Back device provides a translation movement of the molars using a pre-determined amount of pressure.

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 for maximum expansion			pkg.
Distalizer 9 mm UR		40	0,8 mm	<b>A1760-09</b>	1
Distalizer 9 mm UL				<b>A1761-09</b>	
<b>MIM</b> ® palatal tubes		<b>A1730-04</b>	<i>packs of 10</i>		
Spherical ends		<b>A1763-00</b>			
Ends with hole for ligature		<b>A1763-05</b>			
Spring-compression stop		<b>A1763-01</b>			
<b>MEMORIA</b> ® coil springs 200 g		<b>A1763-02</b>			
<b>MEMORIA</b> ® coil springs 300 g		<b>A1763-03</b>			
Keys		<b>A1763-04</b>			



**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 anodised aluminium handle joined to the tempered steel tube assures a firm grip to get accurate bends.

# screws for biomechanics



## Screws for biomechanics Veltri (patented)

Made of biomedical stainless steel, they represent a concrete answer to many therapeutic problems.

**Bilateral sagittal screw:** getting distal, mesial and sagittal expansion movements in the treatment of Class II and Class III malocclusions.

**Monolateral screw:** getting distal, mesial, expansion or contraction movements of a single tooth. Optimal movement and anchorage control due to the tripod rest.

**Rotary screw:** it induces a mesial movement on one side and a distal movement on the other side.

	∅ arms mm	↔ body mm	🌀 Activation turns for maximum expansion limit					pkg.
	1,5	12	8 mm	35	0,8 mm	<b>A0629-08</b>	<b>Bilateral sagittal screw</b>	1
	1,5	15	11 mm	50	0,8 mm	<b>A0629-11</b>		
	1,5	12	8 mm	35	0,8 mm	<b>A0626-08</b>	<b>Monolateral screw</b>	1
	1,5	15	11 mm	50	0,8 mm	<b>A0626-11</b>		
	1,5	12	8 mm	35	0,8 mm	<b>A0627-08</b>	<b>Rotary screw</b>	1



### P1620-01 Arm bending instrument for expanders

Ideal to bend the expander arms with ease and precision.

### P1621-00 Instrument for endoral activation



# micro spring screws in stainless steel



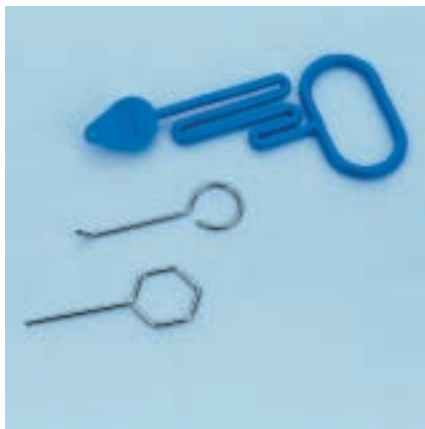
## Micro spring screws

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



### Stainless steel keys

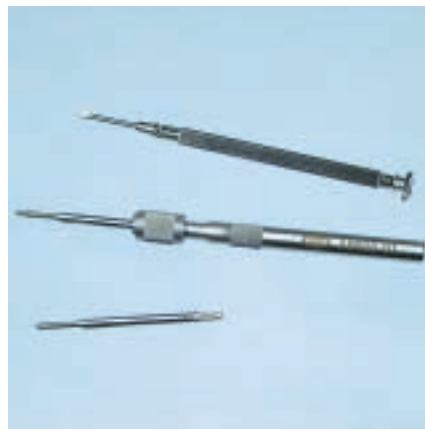
Made of stainless steel.

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

Packs of 100

### A0557-02 Safety ring leash

Pack 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 ∅ .045"
- A0761-51 ∅ .051"

Packs of 10

# accessories for functional plates



## Plate holders

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

## 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

colour	small	large	pkg.	small	large	pkg.
white	<b>A3038-00</b>	<b>A3039-00</b>	10	<b>A3038-93</b>	<b>A3039-93</b>	200
pink	<b>A3038-00S</b>	<b>A3039-00S</b>		<b>A3038-93S</b>	<b>A3039-93S</b>	
yellow	<b>A3038-00G</b>	<b>A3039-00G</b>		<b>A3038-93G</b>	<b>A3039-93G</b>	
blue	<b>A3038-00A</b>	<b>A3039-00A</b>		<b>A3038-93A</b>	<b>A3039-93A</b>	
fluorescent		<b>A3039-00F</b>			<b>A3039-93F</b>	
green	<b>A3038-00V</b>	<b>A3039-00V</b>		<b>A3038-93V</b>	<b>A3039-93V</b>	
orange	<b>A3038-00E</b>	<b>A3039-00E</b>		<b>A3038-93E</b>	<b>A3039-93E</b>	



## Bite planes for functional plates

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

Packs of 10

### Standard bite plane



**A0720-00** Hard - 0,5 mm  
**A0720-10** Soft - 0,5 mm

### Double bite plane



**A0722-00**

### Plate lateral levels



**A0721-00** Hard - 0,5 mm  
**A0721-10** Soft - 0,5 mm

### Anatomical double bite plane



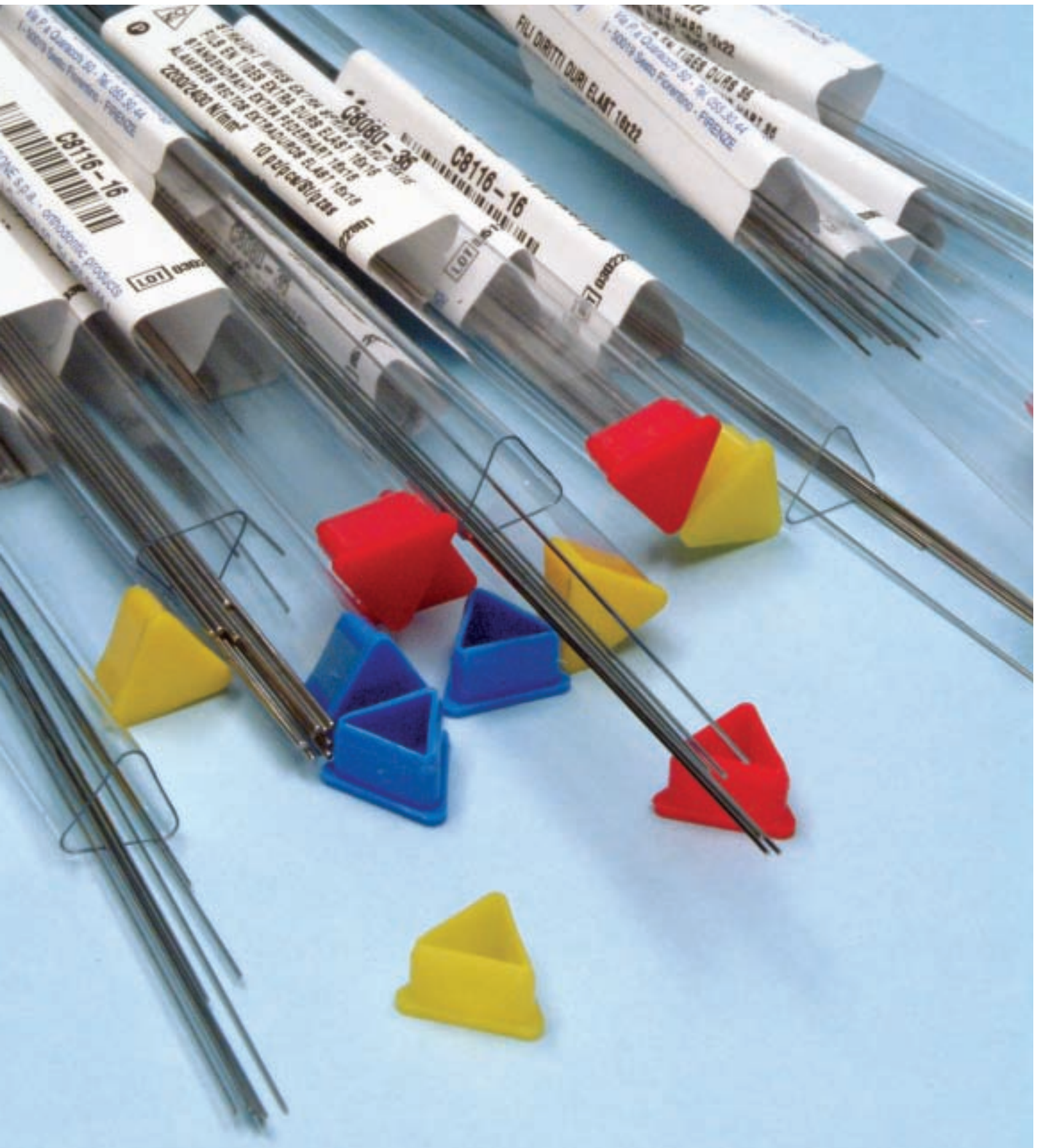
Double bite plane  
in spring hard stainless steel.  
**A0596-00** Hard - 0,6 mm  
**A0596-10** Soft - 0,5 mm

### Anatomical bite plane



**A0595-00** Hard - 0,6 mm  
**A0595-10** Soft - 0,5 mm

# wire and wire forms



# wire and wire forms



Leone orthodontic wires are available in a range of alloys and different grades of elasticity and hardness to meet any therapeutic requirements. The mechanical properties of the wires are constantly checked to ensure consistent quality.

All Leone wires are supplied in a practical packaging either in rolls or in straight wire sections.

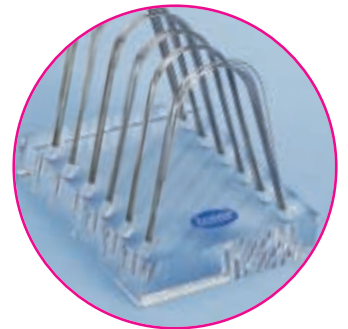
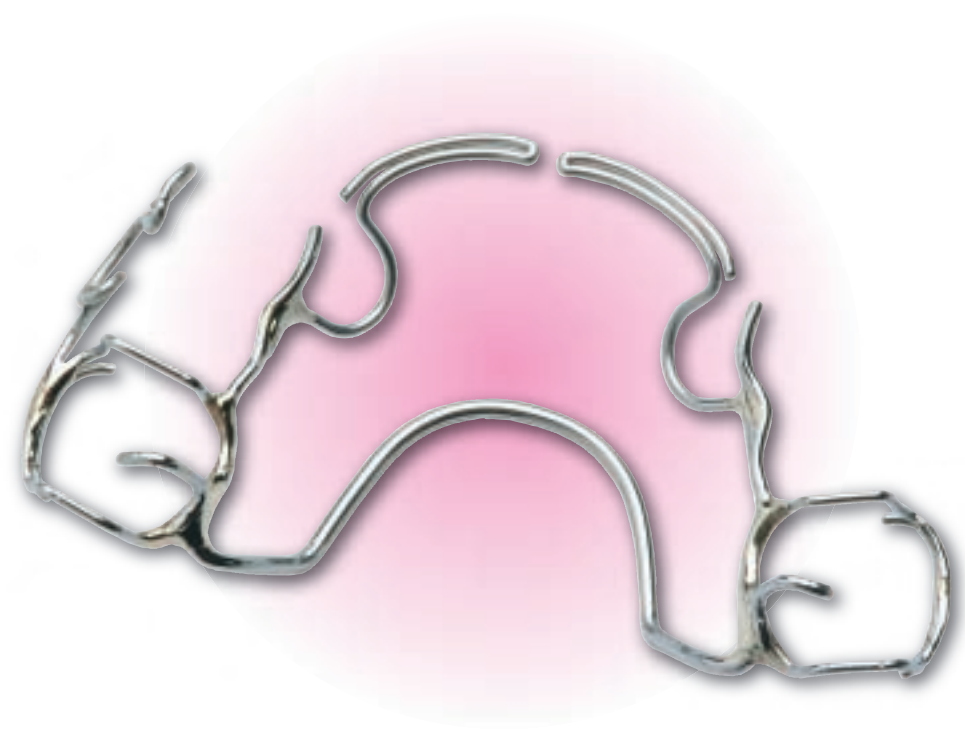
The range includes laboratory wires made of stainless steel, chromium cobalt alloy, which can be heat-treated, and **BIOSTEEL**<sup>®</sup> with a low nickel content.

The numerous forms of archwires available are manufactured from various alloys:

**stainless steel** with different mechanical properties to meet all orthodontic requirements;

**nickel titanium alloy**, available as **MEMORIA**<sup>®</sup>, **THERMOMEMORIA**<sup>®</sup> and **MEMORIA**<sup>®</sup> **NATURA**<sup>®</sup>, releasing gentle but constant forces, it can be formed into a large variety of shapes;

**nickel-free titanium molybdenum alloy**, available as Beta **MEMORIA**<sup>®</sup>, featuring exceptional pliability and elasticity as well as low friction.



The Leone packages for wires feature a special accurate design.

Clasp and Crozat wires are packaged in anti-rolling coiled spools while straight wires are packaged in triangular shaped tubes to prevent rolling out from the table.

All Leone archwires are packaged in little envelopes that clearly show the part number, the dimensions, the product features and the lot number.





## Clasp wire

### **LEOWIRE®** ROUND SPRING HARD WIRE

Chromium stainless steel alloy.  
Diamond drawn to obtain highly resistant and stainless levelled surfaces.  
Suitable for all orthodontic applications.

### **BIOSTEEL®** ROUND SPRING HARD WIRE LOW NICKEL CONTENT

Stainless steel alloy purposely made to prevent any nickel allergic reactions (Cr 18%, Mn 18%, Mo 2%, N 1%, Ni 0,2%, balance Fe).  
Suitable for all orthodontic applications.

∅		standard spool			laboratory roll		
		LEOWIRE® spring hard	BIOSTEEL® spring hard		LEOWIRE® spring hard	BIOSTEEL® spring hard	
mm	inch	1800/2000 N/mm <sup>2</sup>	1800/2000 N/mm <sup>2</sup>	<i>m</i>	1800/2000 N/mm <sup>2</sup>	1800/2000 N/mm <sup>2</sup>	<i>g</i>
0,5	.020	<b>C0400-05</b>		50	<b>C0450-05</b>		500
0,6	.024	<b>C0400-06</b>	<b>C0401-06</b>	40	<b>C0450-06</b>	<b>C0451-06</b>	
0,7	.028	<b>C0400-07</b>	<b>C0401-07</b>	25	<b>C0450-07</b>	<b>C0451-07</b>	
0,8	.032	<b>C0400-08</b>	<b>C0401-08</b>	20	<b>C0450-08</b>	<b>C0451-08</b>	
0,9	.036	<b>C0400-09</b>	<b>C0401-09</b>	10	<b>C0450-09</b>	<b>C0451-09</b>	
1,0	.040	<b>C0400-10</b>	<b>C0401-10</b>	10	<b>C0450-10</b>	<b>C0451-10</b>	
1,1	.044	<b>C0400-11</b>		10	<b>C0450-11</b>		
1,2	.048	<b>C0400-12</b>		10	<b>C0450-12</b>		
1,3	.052	<b>C0400-13</b>		10	<b>C0450-13</b>		
1,4	.055	<b>C0400-14</b>		8	<b>C0450-14</b>		

# Crozat wire



## Chromium-Cobalt wire

Heat-treatable chromium cobalt alloy, stainless and tough.

Its tensile strength allows clasps, even difficult ones to be easily shaped, without breakage.

It is self tempering during soldering or heating at 450° C.

Necessary for any Crozat wire technique.



∅		hard heat-treatable	package	
mm	inch	1350/1500 N/mm <sup>2</sup>	<i>m</i>	<i>g</i>
0,6	.024	<b>C0410-06</b>	30	70
0,7	.028	<b>C0410-07</b>	22	
0,8	.032	<b>C0410-08</b>	17	
0,9	.036	<b>C0410-09</b>	13	
1,0	.040	<b>C0410-10</b>	11	
1,1	.044	<b>C0410-11</b>	9	
1,2	.048	<b>C0410-12</b>	8	
1,3	.052	<b>C0410-13</b>	6	

# round and rectangular wire in straight length



## Straight round wire

An alloy properly designed for forming arches and springs in fixed orthodontic appliances.

It is diamond drawn to obtain resistant surfaces.

Available in three tempers: hard, spring hard and extra spring hard in order to be adapted to any therapeutic application.



∅ inch	hard	spring hard	extra spring hard	package
	1400/1600 N/mm <sup>2</sup>	1800/2000 N/mm <sup>2</sup>	2200/2400 N/mm <sup>2</sup>	
.012	<b>C8080-12</b>			20 wires
.014	<b>C8080-14</b>	<b>C8180-14</b>	<b>C8380-14</b>	
.016	<b>C8080-16</b>	<b>C8180-16</b>	<b>C8380-16</b>	
.018	<b>C8080-18</b>	<b>C8180-18</b>	<b>C8380-18</b>	
.020	<b>C8080-20</b>	<b>C8180-20</b>	<b>C8380-20</b>	
.032	<b>C8080-32</b>			
.036	<b>C8080-36</b>			
.040	<b>C8080-40</b>			
.045	<b>C8080-45</b>			
.051	<b>C8080-51</b>			

## Straight rectangular wire

An alloy properly designed for orthodontic applications.

Diamond drawn to obtain perfectly square angles and levelled surfaces.

Available in two tempers: spring hard and extra spring hard, it is tested and quality controlled in the laboratory.



∅ inch	extra spring hard	extra spring hard	package
	1800/2000 N/mm <sup>2</sup>	2200/2400 N/mm <sup>2</sup>	
.016x.016	<b>C8016-16</b>	<b>C8116-16</b>	10 wires
.016x.022	<b>C8022-16</b>	<b>C8122-16</b>	
.017x.017	<b>C8017-17</b>	<b>C8117-17</b>	
.017x.022	<b>C8022-17</b>	<b>C8122-17</b>	
.017x.025	<b>C8025-17</b>	<b>C8125-17</b>	
.018x.022	<b>C8022-18</b>	<b>C8122-18</b>	
.018x.025	<b>C8025-18</b>	<b>C8125-18</b>	
.019x.025	<b>C8025-19</b>	<b>C8125-19</b>	
.021x.025	<b>C8025-21</b>	<b>C8125-21</b>	
.0215x.028	<b>C8028-21</b>	<b>C8128-21</b>	


# LEOLOY® - "Australian" wire and archwires



## LEOLOY® square and rectangular heat-treatable wire

Chromium-cobalt base alloy, heat-treatable. Highly stainless and resistant to breakage. Available in two tempers.

Packs of 10 wires

soft heat treatable	 inch	spring heat treatable
1400/1600 N/mm <sup>2</sup>		1700/1900 N/mm <sup>2</sup>
<b>C8216-16</b>	.016x.016	<b>C8416-16</b>
<b>C8222-16</b>	.016x.022	<b>C8422-16</b>
<b>C8225-17</b>	.017x.025	<b>C8425-17</b>

### BLUE LEOLOY® - soft heat-treatable

It is initially the softest of the two tempers. It is intended for construction of archwires which require considerable bending. After heat-treating (480° C), it will become so hard as stainless steel wires. Recommended for Ricketts technique.

### YELLOW LEOLOY® - spring heat treatable

With slight springer qualities than blue. It is intended for construction of archwires which require considerable bending. It can be used as furnished or can be heat treated (480° C) if greater springback is required.



## "Australian" wire spools

It is diamond drawn for perfect levelling of surfaces. The two tempers are laboratory tested and quality controlled.

Spools, 8 m

∅ inch	extra spring hard	super hard heat-treated
	2200/2400 N/mm <sup>2</sup>	2500/2700 N/mm <sup>2</sup>
.012	<b>C0420-12</b>	
.014	<b>C0420-14</b>	<b>C0430-14</b>
.016	<b>C0420-16</b>	<b>C0430-16</b>
.018	<b>C0420-18</b>	<b>C0430-18</b>
.020	<b>C0420-20</b>	<b>C0430-20</b>



## Australian archwires Special Plus

medium upper	∅ inch	medium lower
<b>C2010-16</b>	.016	<b>C2050-16</b>
<b>C2010-20</b>	.020	<b>C2050-20</b>

Packs of 10

# twist and flex wire and archwires



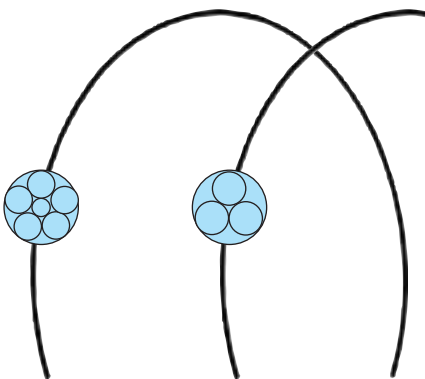
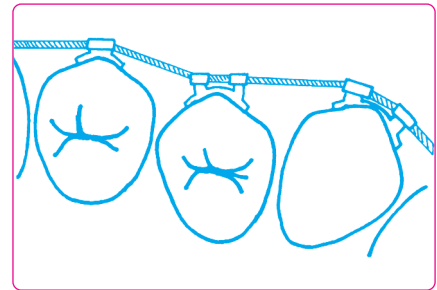
## Straight twist wire

∅ inch		package
.015	<b>C8580-15</b>	10 wires
.0175	<b>C8580-17</b>	
.0195	<b>C8580-19</b>	
.0215	<b>C8580-21</b>	



## Straight flex wire

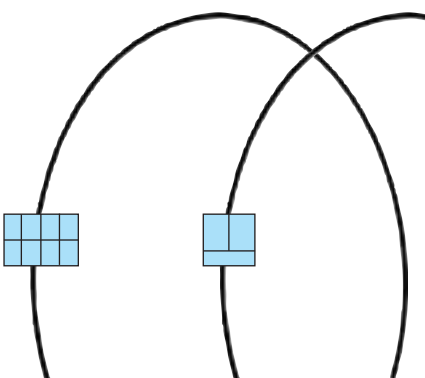
∅ inch		package
.015	<b>C8880-15</b>	10 wires
.0175	<b>C8880-17</b>	
.0195	<b>C8880-19</b>	



## Round preformed twist and flex archwires

twist		
∅ inch		package
.0155	<b>C5540-15</b>	10
.0175	<b>C5540-17</b>	
.0195	<b>C5540-19</b>	
.0215	<b>C5540-21</b>	

flex		
∅ inch		package
.0155	<b>C5440-15</b>	10
.0175	<b>C5440-17</b>	
.0195	<b>C5440-19</b>	
.0215	<b>C5440-21</b>	



## Rectangular preformed twist archwires

twist 3 wires		
∅ inch		package
.016x.016	<b>C5541-16</b>	10
.016x.022	<b>C5542-16</b>	
.017x.025	<b>C5545-17</b>	
.018x.025	<b>C5545-18</b>	

twist 8 wires		
∅ inch		package
.017x.025	<b>C5745-17</b>	10
.018x.025	<b>C5745-18</b>	
.021x.025	<b>C5745-21</b>	

# preformed round and rectangular archwires in stainless steel



**T1212-00**  
Standard arch holder

## Preformed round and rectangular archwires

Standard preformed. Made out of extra spring hard wire for higher resiliency. Marked at the midline, black for upper and red for lower.

Packs of 10

upper	$\varnothing$ inch	lower	upper	$\varnothing$ inch	lower
<b>C5110-12</b>	.012	<b>C5150-12</b>	<b>C5111-16</b>	.016x.016	<b>C5151-16</b>
<b>C5110-14</b>	.014	<b>C5150-14</b>	<b>C5112-16</b>	.016x.022	<b>C5152-16</b>
<b>C5110-16</b>	.016	<b>C5150-16</b>	<b>C5115-17</b>	.017x.025	<b>C5155-17</b>
<b>C5110-18</b>	.018	<b>C5150-18</b>	<b>C5115-18</b>	.018x.025	<b>C5155-18</b>
<b>C5110-20</b>	.020	<b>C5150-20</b>	<b>C5115-19</b>	.019x.025	<b>C5155-19</b>
			<b>C5115-21</b>	.021x.025	<b>C5155-21</b>



**T3608-00**  
Marking pencil white

For marking archwires, bite planes, etc.

Pack of 1

# preformed archwires in stainless steel



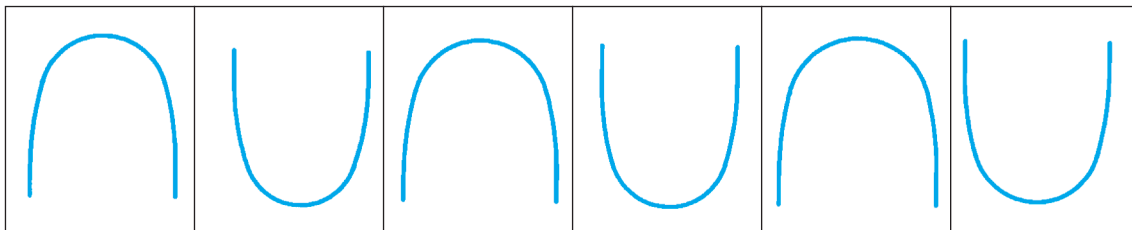
## Preformed archwires

In extra hard spring wire, round or rectangular, diamond drawn for levelling of surfaces. They are available in a small, medium or large shape, both for upper and lower, they represent the ideal answer to visualize the treatment problem.

### C5950-00

## Preformed archwire selector

Lay the selector on the model and select the right arch form.



∅ inch	small		medium		large		pkg.
	upper	lower	upper	lower	upper	lower	
.014			<b>C3110-14</b>	<b>C3150-14</b>			10
.016	<b>C3010-16</b>	<b>C3050-16</b>	<b>C3110-16</b>	<b>C3150-16</b>	<b>C3210-16</b>	<b>C3250-16</b>	
.018	<b>C3010-18</b>	<b>C3050-18</b>	<b>C3110-18</b>	<b>C3150-18</b>	<b>C3210-18</b>	<b>C3250-18</b>	
.020			<b>C3110-20</b>	<b>C3150-20</b>			
▧							10
.016x.016			<b>C3111-16</b>	<b>C3151-16</b>			
.016x.022	<b>C3012-16</b>	<b>C3052-16</b>	<b>C3112-16</b>	<b>C3152-16</b>	<b>C3212-16</b>	<b>C3252-16</b>	
.017x.025			<b>C3112-17</b>	<b>C3152-17</b>			
.018x.025	<b>C3012-18</b>	<b>C3052-18</b>	<b>C3112-18</b>	<b>C3152-18</b>	<b>C3212-18</b>	<b>C3252-18</b>	
.019x.025	<b>C3012-19</b>	<b>C3052-19</b>	<b>C3112-19</b>	<b>C3152-19</b>	<b>C3212-19</b>	<b>C3252-19</b>	
.019x.025 T20°			<b>C4112-19</b>	<b>C4152-19</b>			
.021x.025			<b>C3112-21</b>	<b>C3152-21</b>			

# nickel titanium archwires

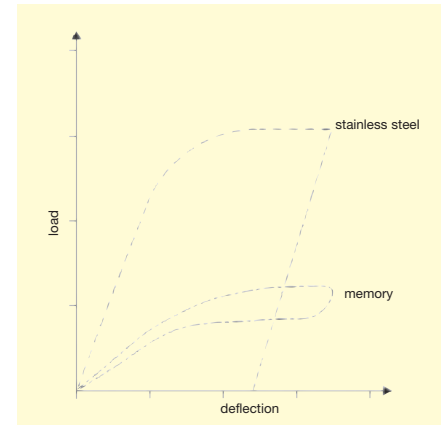


## MEMORIA® preformed archwires

In a superelastic nickel-titanium base alloy, these archwires generate light and continuous forces, reduce treatment time and improve patient comfort. The highly polished surface eliminates any bracket slot friction.

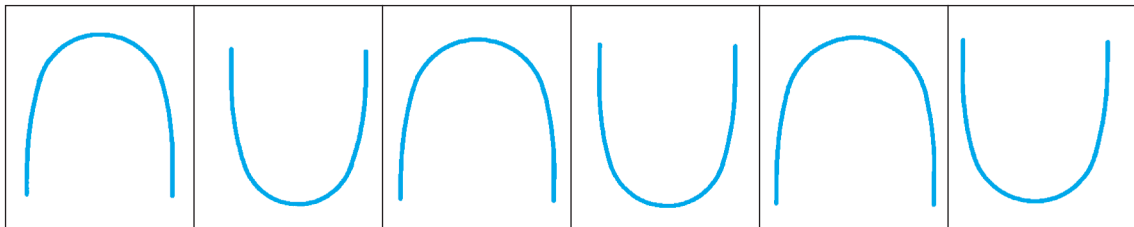
Their non-deformability and superelasticity, which are expressed in the continuous force delivery over a wide deflection range, have been tested on thousands of treatments.

Available in a small, medium or large shape, both for upper or lower, they represent the ideal answer to individual treatment problems.



## C5950-00 Preformed archwire selector

Lay the selector on the model and select the right arch shape.



∅ inch	small		medium		large		pkg.	
	upper	lower	upper	lower	upper	lower		
.012			C5910-12	C5950-12			10	
.014	C5913-14	C5953-14	C5910-14	C5950-14	C5916-14	C5956-14		
.016	C5913-16	C5953-16	C5910-16	C5950-16	C5916-16	C5956-16		
.018	C5913-18	C5953-18	C5910-18	C5950-18	C5916-18	C5956-18		
.020			C5910-20	C5950-20				
∅								10
.016x.016			C5911-16	C5951-16				
.016x.022	C5914-16	C5954-16	C5912-16	C5952-16	C5917-16	C5957-16		
.017x.025	C5914-17	C5954-17	C5912-17	C5955-17	C5917-17	C5957-17		
.018x.018			C5911-18	C5951-18				
.018x.025	C5914-18	C5954-18	C5915-18	C5955-18	C5917-18	C5957-18		
.019x.025	C5914-19	C5954-19	C5915-19	C5955-19	C5917-19	C5957-19		
.021x.025			C5915-21	C5955-21				



# nickel titanium archwires



## MEMORIA® anatomical archwires

Superelastic nickel titanium base alloy archwires which deliver biological forces over a wide deflection range.

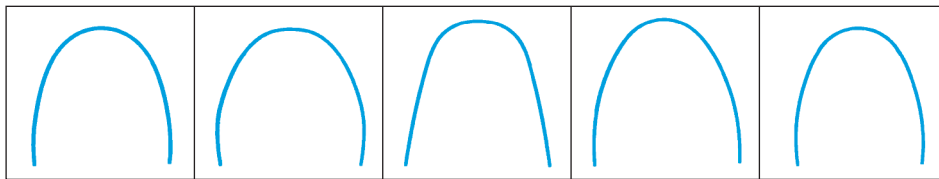
**MEMORIA®** archwires are available in five arch forms developed after extensive research and represent the ideal answer to individual treatment problems.

Using the special arch selector, the best suited arch shape can be easily found.

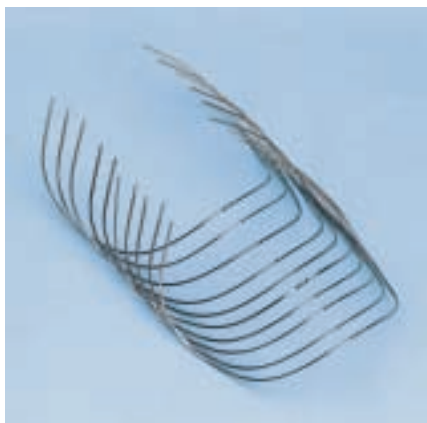
## C6250-00

### MEMORIA® anatomical arch selector

Lay the selector on the model and select the right arch shape.



∅ inch	A	B	C	D	E	pkg.
.014	C6040-14	C6140-14	C6240-14	C6340-14	C6440-14	10
.016	C6040-16	C6140-16	C6240-16	C6340-16	C6440-16	
.018	C6040-18	C6140-18	C6240-18	C6340-18	C6440-18	
▧						10
.016x.016	C6041-16	C6141-16	C6241-16	C6341-16	C6441-16	
.016x.022	C6042-16	C6142-16	C6242-16	C6342-16	C6442-16	
.017x.025	C6042-17	C6142-17	C6242-17	C6342-17	C6442-17	
.019x.025	C6045-19	C6145-19	C6245-19	C6345-19	C6445-19	



## MEMORIA® archwires reverse curve of Spee

Superelastic nickel titanium archwires for levelling movements and closure of spaces. They are also indicated for the correction of bite closure alterations.

Packs of 10

upper	∅ inch	lower
C6910-16	.016	C6950-16
C6910-18	.018	C6950-18
upper	▧ inch	lower
C6912-16	.016x.022	C6952-16
C6912-17	.017x.025	C6952-17
C6912-19	.019x.025	C6952-19

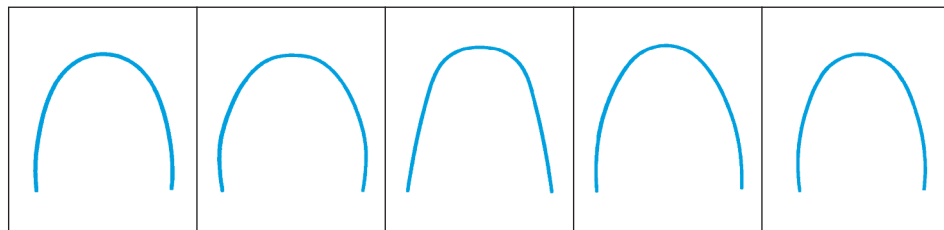
# nickel titanium archwires



## MEMORIA®

### anatomical archwires "V" bend

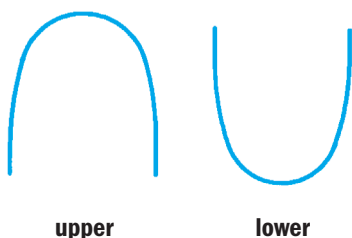
A V bend on midline avoids any unwanted displacement of the archwire by ensuring the therapeutical treatment previously foreseen with the selected archwire shape.



∅ inch	A	B	C	D	E	pkg.
.014	C6040V14	C6140V14	C6240V14	C6340V14	C6440V14	10
.016	C6040V16	C6140V16	C6240V16	C6340V16	C6440V16	
.018	C6040V18	C6140V18	C6240V18	C6340V18	C6440V18	
∕						
.016x.016	C6041V16	C6141V16	C6241V16	C6341V16	C6441V16	10
.016x.022	C6042V16	C6142V16	C6242V16	C6342V16	C6442V16	
.017x.025	C6042V17	C6142V17	C6242V17	C6342V17	C6442V17	
.019x.025	C6045V19	C6145V19	C6245V19	C6345V19	C6445V19	

## MEMORIA® preformed archwires "V" bend

Packs of 10



medium upper	∅ inch	medium lower	medium upper	∕ inch	medium lower
C5910V12	.012	C5950V12	C5911V16	.016x.016	C5951V16
C5910V14	.014	C5950V14	C5912V16	.016x.022	C5952V16
C5910V16	.016	C5950V16	C5912V17	.017x.025	C5955V17
C5910V18	.018	C5950V18	C5915V18	.018x.025	C5955V18

# nickel titanium archwires



## THERMOMEMORIA® archwires

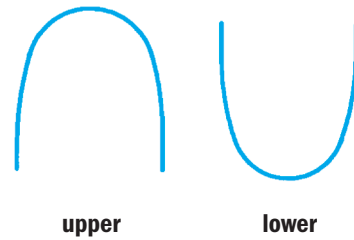
An innovation in nickel titanium alloy archwires. According to room or body temperature, these archwires have a different behaviour.

These archwires can be permanently bent with a plier at room temperature, but after insertion, at mouth temperature of about 37° C, they revert to their initial programmed shape, delivering light and continuous forces to teeth.

This particular feature makes their insertion into misaligned bracket slots easier and reduce patient's trauma while permitting the use of rectangular wires during early treatment and gaining good torque control of roots during tooth movements.

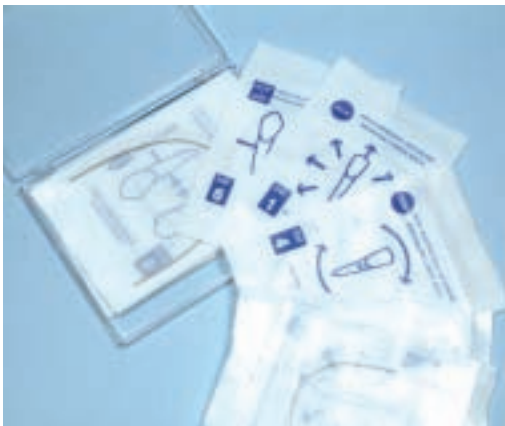
Packs of 10

upper	∅ inch	lower	upper	∅ inch	lower
<b>C5930-16</b>	.016	<b>C5970-16</b>	<b>C5931-16</b>	.016x.016	<b>C5971-16</b>
<b>C5930-18</b>	.018	<b>C5970-18</b>	<b>C5932-16</b>	.016x.022	<b>C5972-16</b>
			<b>C5935-18</b>	.018x.025	<b>C5975-18</b>
			<b>C5935-19</b>	.019x.025	<b>C5975-19</b>
			<b>C5935-21</b>	.021x.025	<b>C5975-21</b>



## C6100-12

### Archwire kit STEP system



The package contains 12 archwires, 6 upper and 6 lower, necessary for the execution of one-case treatment for STEP technique. Each archwire is single packaged. The packages are identified with a reference number and a tooth sketch which respectively indicate the standard application sequence and the arch wire function.

Composition of the kit:

The diagrams are arranged in a 4x3 grid:

- Row 1:**
  - Step 1: ARCO MEMORIA SUPERIORE MEMORIA UPPER ARCH (0.014)
  - Step 1: ARCO MEMORIA INFERIORE MEMORIA LOWER ARCH (0.014)
  - Step 2: ARCO MEMORIA SUPERIORE MEMORIA UPPER ARCH (0.019)
  - Step 2: ARCO MEMORIA INFERIORE MEMORIA LOWER ARCH (0.019)
- Row 2:**
  - Step 3: ARCO METALLARGO SUPERIORE METALLARGO UPPER ARCH (0.019)
  - Step 3: ARCO METALLARGO INFERIORE METALLARGO LOWER ARCH (0.019)
  - Step 4: ARCO METALLARGO ELASTICO SUPERIORE METALLARGO ELASTICO UPPER ARCH (0.020)
  - Step 4: ARCO METALLARGO ELASTICO INFERIORE METALLARGO ELASTICO LOWER ARCH (0.020)
- Row 3:**
  - Step 5: ARCO BETA MEMORIA SUPERIORE BETA MEMORIA UPPER ARCH (0.019 & 0.021)
  - Step 5: ARCO BETA MEMORIA INFERIORE BETA MEMORIA LOWER ARCH (0.019 & 0.021)
  - Step 6: ARCO METALLARGO ELASTICO SUPERIORE METALLARGO ELASTICO UPPER ARCH (0.019)
  - Step 6: ARCO METALLARGO ELASTICO INFERIORE METALLARGO ELASTICO LOWER ARCH (0.019)

# special wires and archwires



## Beta MEMORIA® wires and archwires

In a titanium molybdenum alloy, they feature high elasticity and good bendability with pliers.

Highly finished to minimize friction between wire and slot. Nickel free.

They are suitable for patients with allergic reactions.

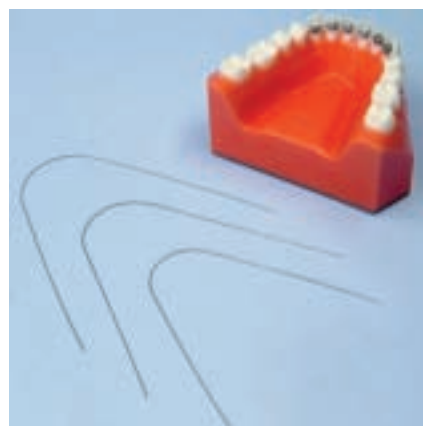
## Beta MEMORIA® archwires

	upper	∅ inch	lower	pkg.
medium	C7110-16	.016	C7150-16	10
	C7110-18	.018	C7150-18	

	upper	∅ inch	lower	pkg.
small	C7012-21	.021x.027	C7015-21	10
medium	C7112-16	.016x.022	C7115-16	
	C7112-17	.017x.025	C7115-17	
	C7112-19	.019x.025	C7115-19	
	C7112-21	.021x.027	C7115-21	

## Beta MEMORIA® straight round wire

∅ inch		pkg.
.016	C7900-16	10 wires 35 cm long
.032	C7900-32	
.036	C7900-36	
∅ inch		
.016x.022	C7922-16	
.017x.025	C7925-17	

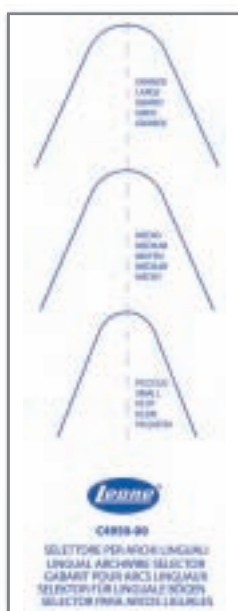


## Lingual archwires for IDEA-L brackets

Sections .012" and .014" are made of a special Nickel Titanium alloy allowing light adaptations necessary in case of treatment extension to first bicuspid, thus keeping high elasticity. Section .016" Beta MEMORIA® is ideal to optimize the alignment and levelling values obtained.

Packs of 2

MEMORIA® LINGUAL ARCHWIRES			
∅ inch	small	medium	large
.012	C4950-12	C4951-12	C4952-12
.014	C4950-14	C4951-14	C4952-14
BETA MEMORIA® LINGUAL ARCHWIRES			
.016	C4970-16	C4971-16	C4972-16



## C4950-00 Selector for lingual archwires

Lay the selector on the model and choose the correct arch shape.

# special wires and archwires

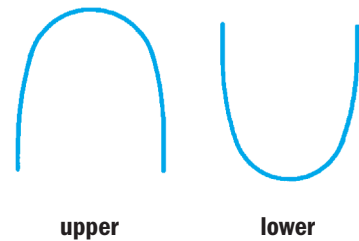


## MEMORIA® NATURA® preformed archwires

They combine high elasticity and resistance to deformation of superelastic nickel titanium archwires with the best aesthetics. The tooth coloured coating is very stiff and resistant to oral liquid absorption, therefore a reduced friction is obtained when used with metal and cosmetic brackets. Available round or rectangular.

Packs of 10

upper	∅ inch	lower	upper	∠ inch	lower
<b>C5918-14</b>	.014	<b>C5958-14</b>	<b>C5982-16</b>	.016x.022	<b>C5992-16</b>
<b>C5918-16</b>	.016	<b>C5958-16</b>	<b>C5985-18</b>	.018x.025	<b>C5995-18</b>
<b>C5918-18</b>	.018	<b>C5958-18</b>	<b>C5985-19</b>	.019x.025	<b>C5995-19</b>
<b>C5918-20</b>	.020	<b>C5958-20</b>	<b>C5985-21</b>	.021x.025	<b>C5995-21</b>



## C8922-16

### MEMORIA® rectangular straight wire

Nickel titanium base alloy wire which maintains high elasticity and allows sectionals and springs to be easily shaped. Available in .016"x.022".

Pack of 10 wires, 18 cm long



## Archwires with hooks

Medium arch form. Made of spring hard wire .019"x.025".

The size expressed in mm indicates the distance between the hooks.

Packs of 10

mm	upper	mm	lower
34	<b>C3112-34</b>	24	<b>C3152-24</b>
36	<b>C3112-36</b>	26	<b>C3152-26</b>
38	<b>C3112-38</b>	28	<b>C3152-28</b>
40	<b>C3112-40</b>	30	<b>C3152-30</b>
42	<b>C3112-42</b>		

# nickel titanium coil springs



## MEMORIA® coil springs

In superelastic nickel titanium alloy, they have always been used in orthodontic treatments.


These springs combine the characteristics of coil spring design with the non-deformable properties of superelastic **MEMORIA®** alloy.

Available open for compressions and gain in space, closed with wound ends for use with hooks of tubes and brackets.

The type with a ligature wire allows spaces wider than 15 mm to be linked.






### MEMORIA® closed coil springs with wound ends

	g		pkg.
<b>light</b>	150	<b>C1230-00</b>	10
<b>medium</b>	200	<b>C1230-01</b>	
<b>heavy</b>	250	<b>C1230-02</b>	




### MEMORIA® open coil springs

Packs of 2 springs, 18 cm long

	 spring	 wires	
<b>super light</b>	.030	.009	<b>C1009-30</b>
	.036	.009	<b>C1009-36</b>
<b>light</b>	.030	.010	<b>C1211-30</b>
<b>medium</b>	.030	.012	<b>C1212-30</b>
<b>heavy</b>	.036	.014	<b>C1214-36</b>
<b>for extraoral lip bumper</b>	.045	.010	<b>C1210-45</b>
	.055	.014	<b>C1214-55</b>



### MEMORIA® closed coil springs with wound ends and ligature wire

	g		pkg.
<b>light</b>	150	<b>C1231-00</b>	10
<b>medium</b>	200	<b>C1231-01</b>	
<b>heavy</b>	250	<b>C1231-02</b>	



### C1230-95 MEMORIA® coil spring kit

For crimping of surgical hooks use plier P1911-00.

The package includes:  
3 open coil springs, 15 closed coil springs with wound ends, 15 closed coil springs with wound ends and ligature wire, 10 stops, 10 **MIM®** surgical hooks.

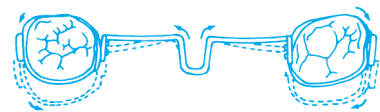


## Palatal bars

Palatal bars allow controllable movements of rotation, expansion and contraction of upper first molars.

Made of heat-treated wire, 0,9 mm in diameter, to increase their tensile strength, they are easy to remove from the tubes for activation.

### ROTATION



### EXPANSION



**Caution:** the palatal bar should be securely ligated into the lingual sheaths with steel or elastic ligatures.

Improper use may result in injury by aspiration or ingestion.

Recommended for use with **MIM**<sup>®</sup> lingual tubes:

## Palatal bar

mm		pkg.
34	<b>C0570-34</b>	5
36	<b>C0570-36</b>	
38	<b>C0570-38</b>	
40	<b>C0570-40</b>	
42	<b>C0570-42</b>	
44	<b>C0570-44</b>	
46	<b>C0570-46</b>	
48	<b>C0570-48</b>	
50	<b>C0570-50</b>	
52	<b>C0570-52</b>	

## C0570-96 Palatal bar kit

Assorted kit of 50

## Reverse loop palatal bar

mm		pkg.
34	<b>C0576-34</b>	5
36	<b>C0576-36</b>	
38	<b>C0576-38</b>	
40	<b>C0576-40</b>	
42	<b>C0576-42</b>	
44	<b>C0576-44</b>	
46	<b>C0576-46</b>	
48	<b>C0576-48</b>	
50	<b>C0576-50</b>	
52	<b>C0576-52</b>	

## C0576-96 Reverse loop palatal bar kit

Assorted kit of 50

## With ball hook

**G2846-02** Right  
**G2846-03** Left



## With ball hook rotation -8°

**G2847-02** Right  
**G2847-03** Left




# clasps and arches for plates



## Standard Adams clasp

Spring hard stainless steel.

 mm	∅		pkg.
5,0	0,7 mm	<b>C0580-05</b>	10
5,5		<b>C0580-055</b>	
6,0		<b>C0580-06</b>	
6,5		<b>C0580-065</b>	
7,0		<b>C0580-07</b>	
8,0		<b>C0580-08</b>	
9,0		<b>C0580-09</b>	
10,0		<b>C0580-10</b>	
11,0		<b>C0580-11</b>	
12,0		<b>C0580-12</b>	

## **C0580-95** Standard Adams clasp kit

Assorted kit of 100


## Ball hooks

Stainless steel.

∅			pkg.
mm	inch		
0,7	.028	<b>C1610-17</b>	100
0,8	.032	<b>C1610-18</b>	
0,9	.036	<b>C1610-19</b>	

## Standard labial arches

Spring hard stainless steel.

 mm	∅		pkg.
25	0,8 mm	<b>C0585-25</b>	10
28		<b>C0585-28</b>	
31		<b>C0585-31</b>	
34		<b>C0585-34</b>	
37		<b>C0585-37</b>	
40		<b>C0585-40</b>	
43		<b>C0585-43</b>	
46		<b>C0585-46</b>	
48		<b>C0585-48</b>	
50		<b>C0585-50</b>	

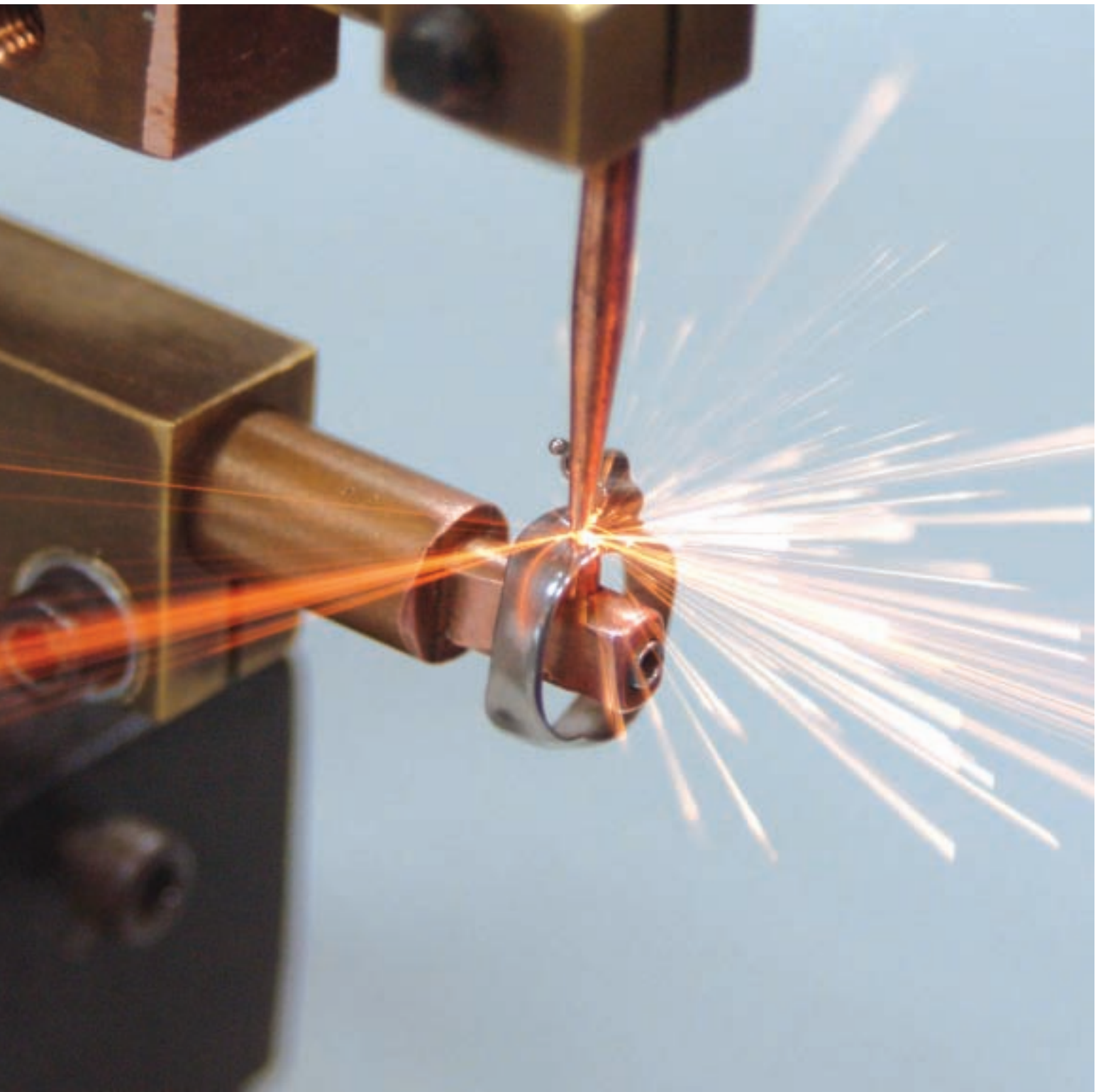
## **C0585-95** Standard labial arch kit

Assorted kit of 100





bands



# CALIBRA® anatomical bands



**made of hard heat-treated stainless steel**

**graduated thickness**  
*by variation in tooth size*

**anatomically correct**  
*wide range of sizes*



**rough inner surface finish**  
*for maximum stability and increased retention*



**free prewelding service**

*Customized prewelding to any tube, bracket or accessory of the section "G".  
Ready delivery of standard prewelded bands for the techniques most in use*



**laser etched sizing**

*it allows the sterilization at high temperatures and a durable good view of sizing*



**wide choice**

*of assortments in autoclavable trays*



# CALIBRA® bicuspid bands



## Upper and lower bicuspids

- E5101-00** Upper **with** lug - U
- E5501-00** Lower **with** lug - L
- E5100-00** Upper **without** lug - U
- E5500-00** Lower **without** lug - L

Packs of 10

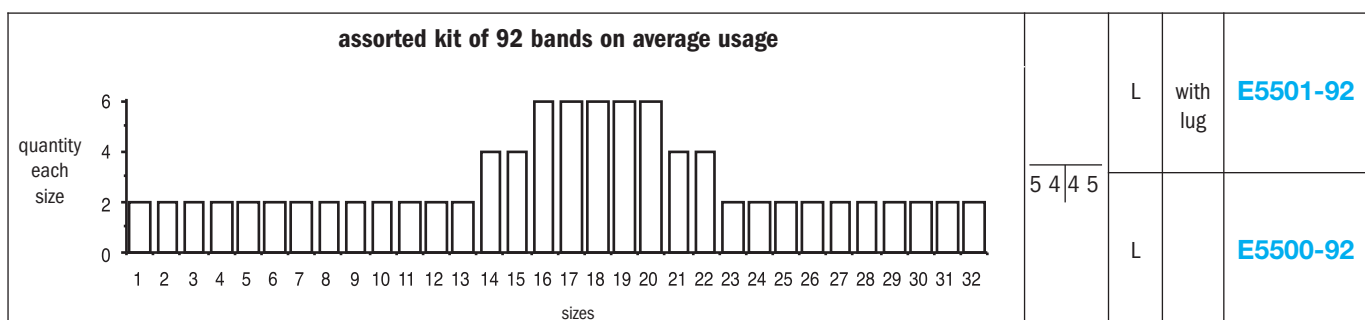
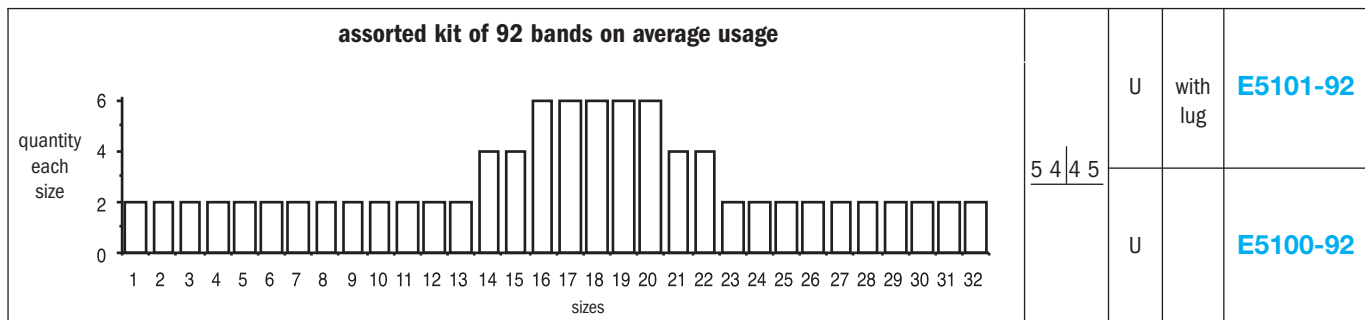
- E5151-00** Upper **with** lug - U
- E5551-00** Lower **with** lug - L
- E5105-00** Upper **without** lug - U
- E5505-00** Lower **without** lug - L

Packs of 5

Available in 32 sizes either for maxillary or mandibular arch, with LASER marked identification number. Their anatomical shape with contoured edges is designed for use either right or left. Thickness of 0,15 mm and seating lug. The hard temper and a rough inner surface finish considerably improve cement retention.

**Always specify the size when ordering e.g.: E5101-11**

## Assortments



# CALIBRA® anatomical molar bands



## Upper and lower 1<sup>st</sup> molar bands

- E1200-00** Upper right - UR
- E1300-00** Upper left - UL
- E1600-00** Lower right - LR
- E1700-00** Lower left - LL

Packs of 10

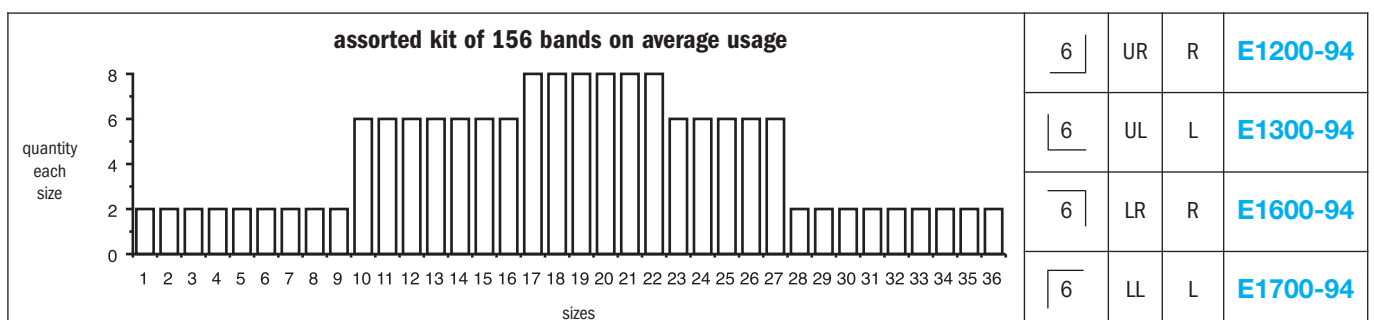
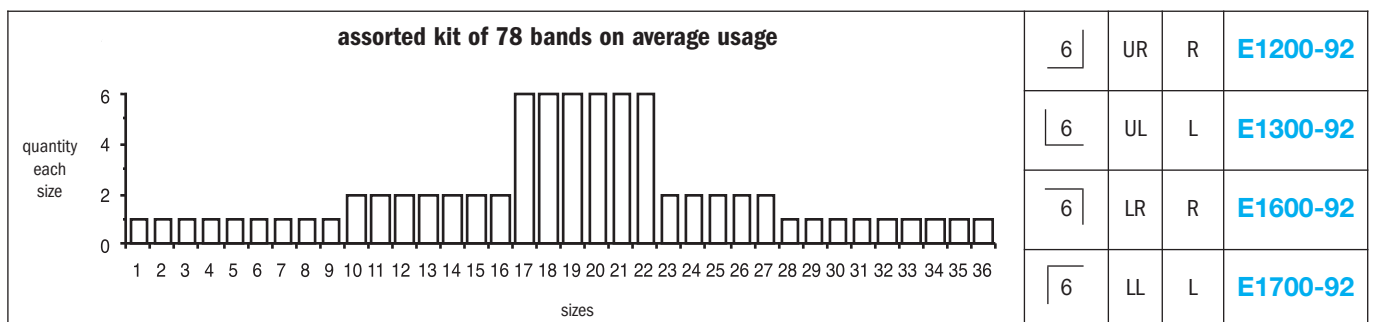
- E1205-00** Upper right - UR
- E1305-00** Upper left - UL
- E1605-00** Lower right - LR
- E1705-00** Lower left - LL

Packs of 5

Available in 36 right sizes and 36 left sizes either for maxillary or mandibular arch, with LASER marked identification number. The hard temper, the anatomical design, the diversified thickness and the rough inner surface finish make the band selection easy and improve cement retention.

**Always specify the size when ordering e.g.: E1200-06**

## Assortments



# CALIBRA® anatomical molar bands



## Upper and lower 2<sup>nd</sup> molar bands

- E2200-00** Upper right - SUR
- E2300-00** Upper left - SUL
- E2600-00** Lower right - SLR
- E2700-00** Lower left - SLL

Packs of 10

- E2205-00** Upper right - SUR
- E2305-00** Upper left - SUL
- E2605-00** Lower right - SLR
- E2705-00** Lower left - SLL

Packs of 5

Available in 32 right sizes and 32 left sizes, either for maxillary or mandibular arch, with LASER marked identification number. The hard temper, the anatomical design, the diversified thickness and the rough inner surface finish make the band selection easy and improve cement retention.

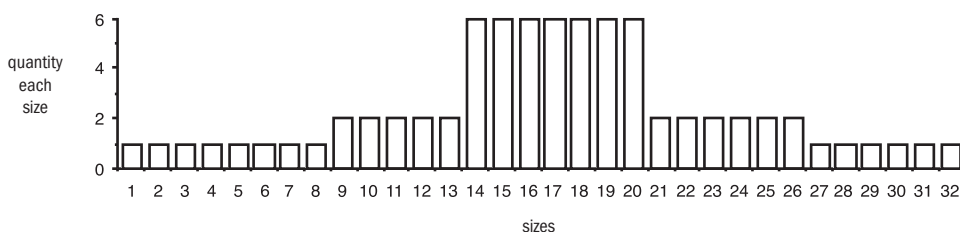
**Always specify the size when ordering  
e.g.: E2300-08**



All trays can be autoclaved to avoid cross infections.

## Assortments

assorted kit of 78 bands on average usage



7	SUR	R	<b>E2200-92</b>
7	SUL	L	<b>E2300-92</b>
7	SLR	R	<b>E2600-92</b>
7	SLL	L	<b>E2700-92</b>

# CALIBRA® anatomical molar bands prewelded to MIM® tubes



## Edgewise technique - upper

Tube .022"x.028". Round tube .051". **(G8025-02 - G8025-03)**

<b>E1420-00</b>	Right	UR	<b>E1425-00</b>	Right	UR
<b>E1430-00</b>	Left	UL	<b>E1435-00</b>	Left	UL
<i>Packs of 10</i>			<i>Packs of 5</i>		



## Edgewise technique - lower

Tube .022"x.028". Round tube .051". **(G8025-03 - G8025-02)**

<b>E1460-00</b>	Right	LR	<b>E1465-00</b>	Right	LR
<b>E1470-00</b>	Left	LL	<b>E1475-00</b>	Left	LL
<i>Packs of 10</i>			<i>Packs of 5</i>		

**Always specify the size when ordering e.g.: E1430-12**



## Andrews Roth Boston Alexander technique - upper

Tube .022"x.028". Torque -10°, rotation +8°. Round tube .051". **(G8325-02 - G8325-03)**

<b>E1520-00</b>	Right	UR	<b>E1525-00</b>	Right	UR
<b>E1530-00</b>	Left	UL	<b>E1535-00</b>	Left	UL
<i>Packs of 10</i>			<i>Packs of 5</i>		



## Andrews Roth Boston Alexander technique - lower

Tube .022"x.028". Torque -25°, rotation +8°. Round tube .051". **(G8325-06 - G8325-07)**

<b>E1560-00</b>	Right	LR	<b>E1565-00</b>	Right	LR
<b>E1570-00</b>	Left	LL	<b>E1575-00</b>	Left	LL
<i>Packs of 10</i>			<i>Packs of 5</i>		

**Always specify the size when ordering e.g.: E1520-17**

# CALIBRA® anatomical molar bands prewelded to MIM® tubes



## Ricketts technique - upper



Tubes .018"x.025". Round tube .045". (**G8084-12 - G8084-13**)

**E1820-00** Right UR

**E1830-00** Left UL

Packs of 10

**E1825-00** Right UR

**E1835-00** Left UL

Packs of 5

## Ricketts technique - lower



Tubes .018"x.025". (**G8070-16 - G8070-17**)

**E1860-00** Right LR

**E1870-00** Left LL

Packs of 10

**E1865-00** Right LR

**E1875-00** Left LL

Packs of 5

**Always specify the size when ordering e.g.: E1865-12**

## CALIBRA® prewelded bands - assortments

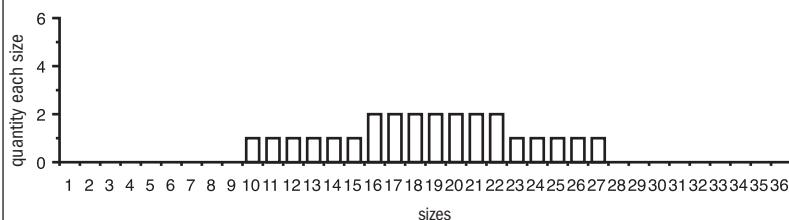


Prewelded **CALIBRA®** bands for Edgewise, Andrews, Roth, Boston, Alexander, Ricketts techniques are available in assortments of 25 or 78 bands.

All trays can be autoclaved to avoid cross infections.



assorted kit of 25 prewelded bands



		Edgewise	Andrews Roth Boston Alexander	Ricketts
6	UR	<b>E1420-90</b>	<b>E1520-90</b>	<b>E1820-90</b>
6	UL	<b>E1430-90</b>	<b>E1530-90</b>	<b>E1830-90</b>
6	LR	<b>E1460-90</b>	<b>E1560-90</b>	<b>E1860-90</b>
6	LL	<b>E1470-90</b>	<b>E1570-90</b>	<b>E1870-90</b>

assorted kit of 78 prewelded bands



		Edgewise	Andrews Roth Boston Alexander	Ricketts
6	UR	<b>E1420-92</b>	<b>E1520-92</b>	<b>E1820-92</b>
6	UL	<b>E1430-92</b>	<b>E1530-92</b>	<b>E1830-92</b>
6	LR	<b>E1460-92</b>	<b>E1560-92</b>	<b>E1860-92</b>
6	LL	<b>E1470-92</b>	<b>E1570-92</b>	<b>E1870-92</b>

# WEB® anatomical bands - Washbon Etched Band



made of biomedical stainless steel

## developed tooth anatomy

*according to Dr. Washbon's study  
in a wide selection of sizes*

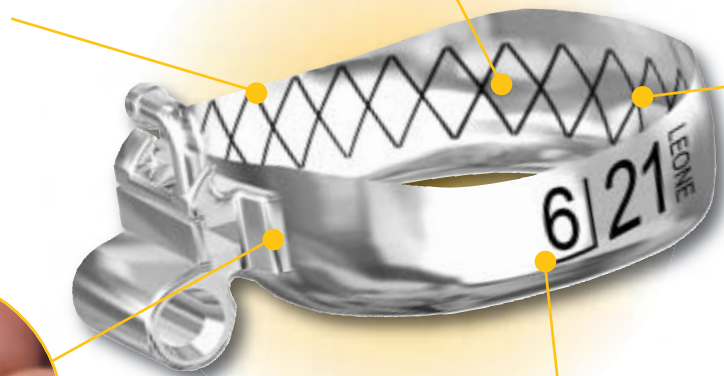


## "uniform stress" system shaping

*optimal elastic properties  
over the entire area of the band*

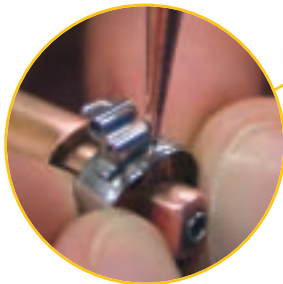
## graduated thickness

*by variation in tooth size*



## laser etching

*strong retention on the tooth.  
Ideal for REP, Herbst,  
First Class appliances*



## free prewelding service

*Customized prewelding to any tube,  
bracket or accessory of the section "G".  
Ready delivery of standard prewelded bands  
for the techniques most in use*



## laser etched sizing

*it allows the sterilization  
at high temperatures and  
a durable good view of sizing*



## wide choice

*of assortments in autoclavable trays*





# WEB® anatomical bands - Washbon Etched Band



## Upper and lower 1<sup>st</sup> molar bands

- E8200-00** Upper right - UR
- E8300-00** Upper left - UL
- E8600-00** Lower right - LR
- E8700-00** Lower left - LL

Packs of 10

- E8205-00** Upper right - UR
- E8305-00** Upper left - UL
- E8605-00** Lower right - LR
- E8705-00** Lower left - LL

Packs of 5

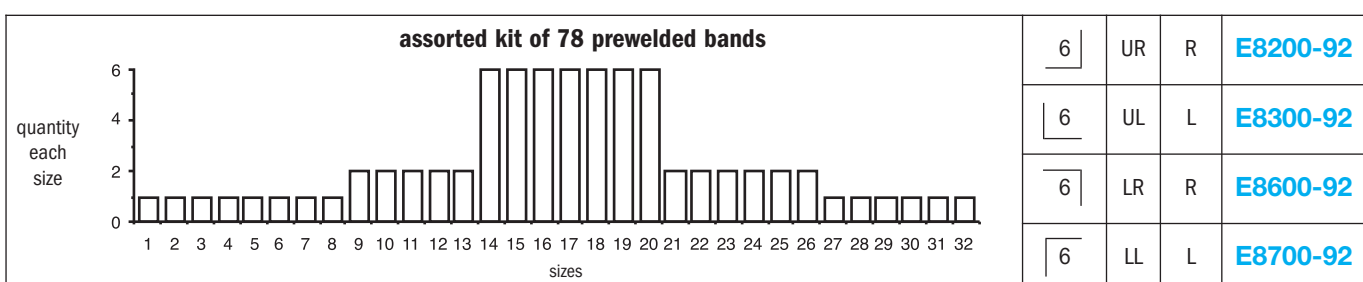
Made of biomedical stainless steel with graduated thickness upon tooth size and LASER marked identification number. Fitting anatomy, reduced height and increased retention due to the "laser etched" treatment make cementation perfect.

**Always specify the size when ordering**  
e.g.: **E8300-13**



All trays can be autoclaved to avoid cross infections.

## Assortments



# WEB<sup>®</sup> anatomical bands prewelded to MIM<sup>®</sup> tubes



## Edgewise technique - upper



Tube .022"x.028". Round tube .051". **(G8025-02 - G8025-03)**

**E8420-00** Right UR  
**E8430-00** Left UL

Packs of 5

## Edgewise technique - lower



Tube .022"x.028". Round tube .051". **(G8025-03 - G8025-02)**

**E8460-00** Right LR  
**E8470-00** Left LL

Packs of 5

**Always specify the size when ordering e.g.: E8430-21**

## Andrews Roth Boston Alexander technique - upper



Tube .022"x.028". Torque  $-10^{\circ}$ , rotation  $+8^{\circ}$ . Round tube .051".  
**(G8325-02 - G8325-03)**

**E8520-00** Right UR  
**E8530-00** Left UL

Packs of 5

## Andrews Roth Boston Alexander technique - lower



Tube .022"x.028". Torque  $-25^{\circ}$ , rotation  $+8^{\circ}$ . Round tube .051".  
**(G8325-06 - G8325-07)**

**E8560-00** Right LR  
**E8570-00** Left LL

Packs of 5

**Always specify the size when ordering e.g.: E8560-18**

# WEB® anatomical bands prewelded to MIM® tubes



## Ricketts technique - upper

Tubes .018"x.025". Round tube .045". (**G8084-12 - G8084-13**)

**E8820-00** Right UR  
**E8830-00** Left UL

Packs of 5

## Ricketts technique - lower

Tubes .018"x.025". (**G8070-16 - G8070-17**)

**E8860-00** Right LR  
**E8870-00** Left LL

Packs of 5

**Always specify the size when ordering e.g.: E8860-25**

## STEP system technique - upper

Convertible tube .022"x.028". Torque -14°, rotation +10°. Round tube .045". (**G8424-32 - G8424-33**) Lingual hook. (**G2820-00**)

**E8920-00** Right UR  
**E8930-00** Left UL

Packs of 5

## STEP system technique - lower

Convertible tube .022"x.028". Torque -20°, rotation +8°. (**G8421-16 - G8421-17**) Lingual hook. (**G2820-00**)

**E8960-00** Right LR  
**E8970-00** Left LL

Packs of 5

**Always specify the size when ordering e.g.: E8970-19**



# WEB® anatomical bands prewelded to MIM® tubes - cements

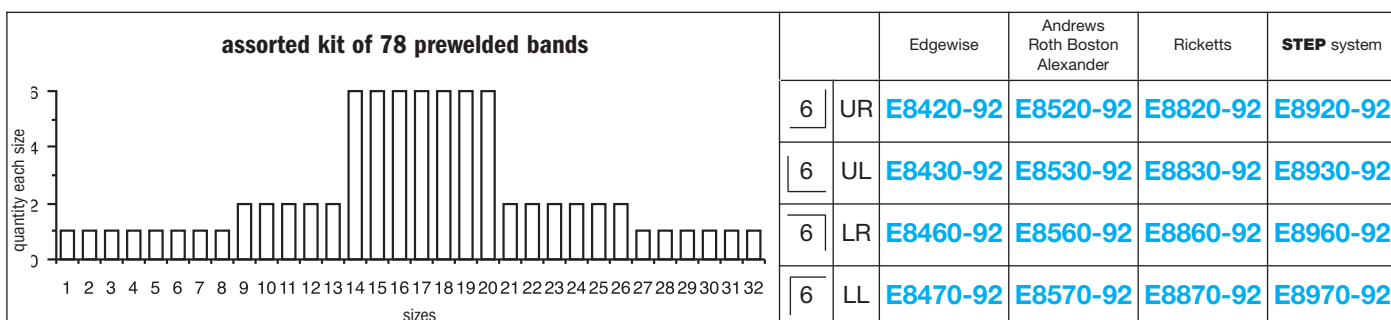
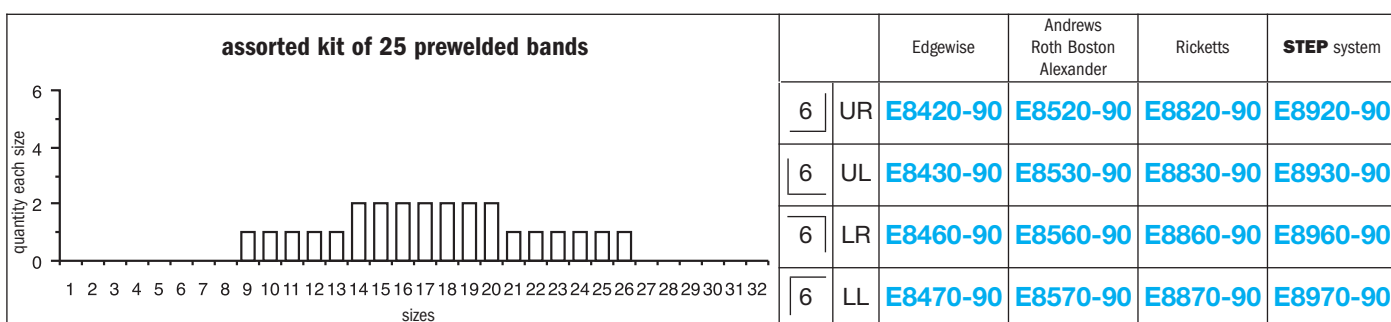


## WEB® prewelded bands - assortments



Prewelded **WEB®** bands for Edgewise, Andrews, Roth, Boston, Alexander, Ricketts, **STEP** system prescriptions are available in assortments of 25 or 78 bands.

All trays can be autoclaved to avoid cross infections.



### E3161-00 Glass ionomer cement

Purposedly developed for orthodontic applications. When mixing the powder with water a very smooth and fluid mixture is obtained with a high bond strength both to enamel and stainless steel of bands. The bluish colour easily indicates the excess material after banding. A release of fluoride ions enhances the protection of enamel from caries.

Pack of 35 g



### E3163-00 Light-curing band cement with fluoride release

Optimal consistency for application and cementation of bands. The yellow colour indicates the excess material before polymerization and eventual residuals after band removal.

Pack of 3 syringes, 5 g each



## Free prewelding service

High quality service processed **with spot welding industrial units.**

Here below an illustration of standard prewelding service of our tubes and brackets is provided. **All brackets, tubes and accessories included in section "G" may be prewelded to Leone bands.**



	standard preweld vestibular position		standard preweld lingual position		
<b>BICUSPIDS</b>	Bracket is perfectly mesio-distal and occlusal-gingival centered			Central position slightly offset to occlusal	
<b>MOLARS</b>	The rectangular tube of bracket is always perfectly centered			Central position	

Variation in weld position may be requested if clearly specified when ordering.

To fulfil the execution of each individual welding requirement, we invite you to closely follow the specifications required, by indicating the part number of bands, brackets or tubes desired.

### THE FOLLOWING SPECIFICATIONS ARE NECESSARY TO ORDER PREWELDED BANDS:

- type of band: bicuspid, 1st or 2nd molar, upper, lower, right or left
- band size
- type of bracket or band
- rectangular tube or bracket's slot size
- torque, rotation adjustments of tube or bracket
- round tube diameter
- round tube preweld position reflecting the specific prescriptions of the selected tube.

Ready prewelded bands for the most used techniques most in use are available for a prompt delivery (pages 46, 47, 50, 51, 52).



## Seating Lug

It assists in seating the band.

Choose a bicuspid band without a seating lug to preweld any bracket or accessories.

**CAUTION: CUSTOMIZED PREWELDED MATERIAL IS NOT RETURNABLE FOR REPLACEMENT.**

# accessories for bands - conversion charts



## Empty trays for band storage

Autoclavable. Packs of 1

- Z0110-22 CALIBRA®** 1<sup>st</sup> molar upper right UR
- Z0110-23 CALIBRA®** 1<sup>st</sup> molar upper left UL
- Z0110-24 CALIBRA®** 1<sup>st</sup> molar lower right LR
- Z0110-25 CALIBRA®** 1<sup>st</sup> molar lower left LL
- Z0110-26 CALIBRA®** 2<sup>nd</sup> molar upper right SUR
- Z0110-27 CALIBRA®** 2<sup>nd</sup> molar upper left SUL
- Z0110-28 CALIBRA®** 2<sup>nd</sup> molar lower right SLR
- Z0110-29 CALIBRA®** 2<sup>nd</sup> molar lower left SLL
- Z0110-30 CALIBRA®** upper bicuspid U
- Z0110-31 CALIBRA®** lower bicuspid L
- Z0110-32 WEB®** 1<sup>st</sup> molar upper right UR
- Z0110-33 WEB®** 1<sup>st</sup> molar upper left UL
- Z0110-34 WEB®** 1<sup>st</sup> molar lower right LR
- Z0110-35 WEB®** 1<sup>st</sup> molar lower left LL



## Z0100-01

### Empty kit box

### for bracket and band storage

Made of ABS plastic resin.  
With clear plastic cover. Stackable.

Pack of 1



## Band conversion charts

5 4 | 4 5

### CALIBRA® BANDS UPPER BICUSPIDS

### CALIBRA® BANDS LOWER BICUSPIDS

5 4 | 4 5

as indication and without warranty

LEONE CALIBRA - E5101/E5100-00	DENTAURUM	A. COMPANY	AMERICAN ORTHODONTICS	G.A.C.	LANCER	ORMCO	R.M.O.	UNITEK - Contoured	UNITEK - General purpose	UNITEK - Proportional	FORESTADENT	LEONE CALIBRA - E5501/E5500-00	DENTAURUM	A. COMPANY	AMERICAN ORTHODONTICS	G.A.C.	LANCER	ORMCO	R.M.O.	UNITEK - Contoured	UNITEK - General purpose	UNITEK - Proportional	FORESTADENT	
1	1					1			00		1	1	1											1
2			1								2	2	2	1	1		1					0	1	3
3	2	1	2		1		G				2	2	2					1						3
4	3		3			2			0		3	3	4	2	2		2		F		1+	4	4	
5	4	2	4		2	3	G+		0+	1	4	4	5	3				3		1	2	5	5	
6	5								1	2	5	5	6	4	5		3	4	F+		2+	6	6	
7	6	3	5	1	3	4	H		1+		6	6	7	5	6		4	6			3+	8	7	
8	7	4	7			6	H+		2+	4	7	7			8									
9	8	5	8	2	5			2		5	8	8												
10	9	6	9	3	6	7			3	6	9	9	8	6	9	1	6	7	G		5	10	8	
11	10	7		4	7	9			4		10		9	7			7	8	G+			11	9	
12	11		11			10	I+		4+	8	11		10	8	10	2		9	H	5	5+	12	10	
13	12	8	12	5	8	11		4		9	12	10	11	9	11	3	8	10			6+		11	
14	13	9	14	6	9	12	J		5	10	13	11	12				9	11	H+	7	7	14	12	
15	14	10	15	7	10	13	J+		6	12	14	12	13	10	13	4	10				8	16	13	
16	15	11	17	8	11	14		6	6+		15	13	14	11	14		11	12	I	9	8+	17	14	
17	16						K		7	13	16	14												
18	17	12	19	9	12	15		7		14	17	15	15		15	5	12		I+		9+		15	
19	18	13	20	10	13	16		8	7+	15	18	16	16	13	16	6	13	14		11	10	19	16	
20	19	14			14	17	K+		8	16	19	17	17	14			14	15	J	12	11	21	17	
21			21									18	18		17	7	15	17				12		18
22			22									19	19	16	19	9	16		K	14	12+	23	19	
23	20	15	24	12	15	19	L	10	9+		20	20												
24	21	16	25	13	16	20			10	19	21	21	20	17	20	10		19		15	13+	25	20	
25	22	17		14	17	21	L+			20	22	22	21	18	21	11	17		K+		14+	27	21	
	23		27	15		22	M	11	10+	21	23	23	22	19	23	12	18	21		17	15		22	
26	24	18	28		18	23			11	22	24	24	23		24		19		L	18	15+	28	23	
27	25	19		16	19	24		12	11+	23	25	25	24	20		13	20	22	L+		16	29	24	
28			29									26			26									
29	26	20	30		20	25	M+		12+	24	26	27	25	21	28		21		M		17	31	25	
30	27	21		17	21	26		13	13	25	27	28	26	22	29	14	22	25			18	33	26	
31			31					14				29												
32	28	22	32	18	22	28	N		13+	27	28	30	27	23	30		23	26	M+		19+	34	27	
	29	23			23	29	N+		14	28	29	31	28	24		16		27		22	19+	35	28	
	30	24		19	24	31			15	29	30	32	29	25	31	17	24	28			20	36	29	
	31				25	32				30	31		30	26	32		25	29					30	
	32			20							32		31				26	30					38	31
												32	32	27			27							32



# conversion charts



7 | 7

## CALIBRA® BANDS UPPER 2<sup>nd</sup> MOLAR

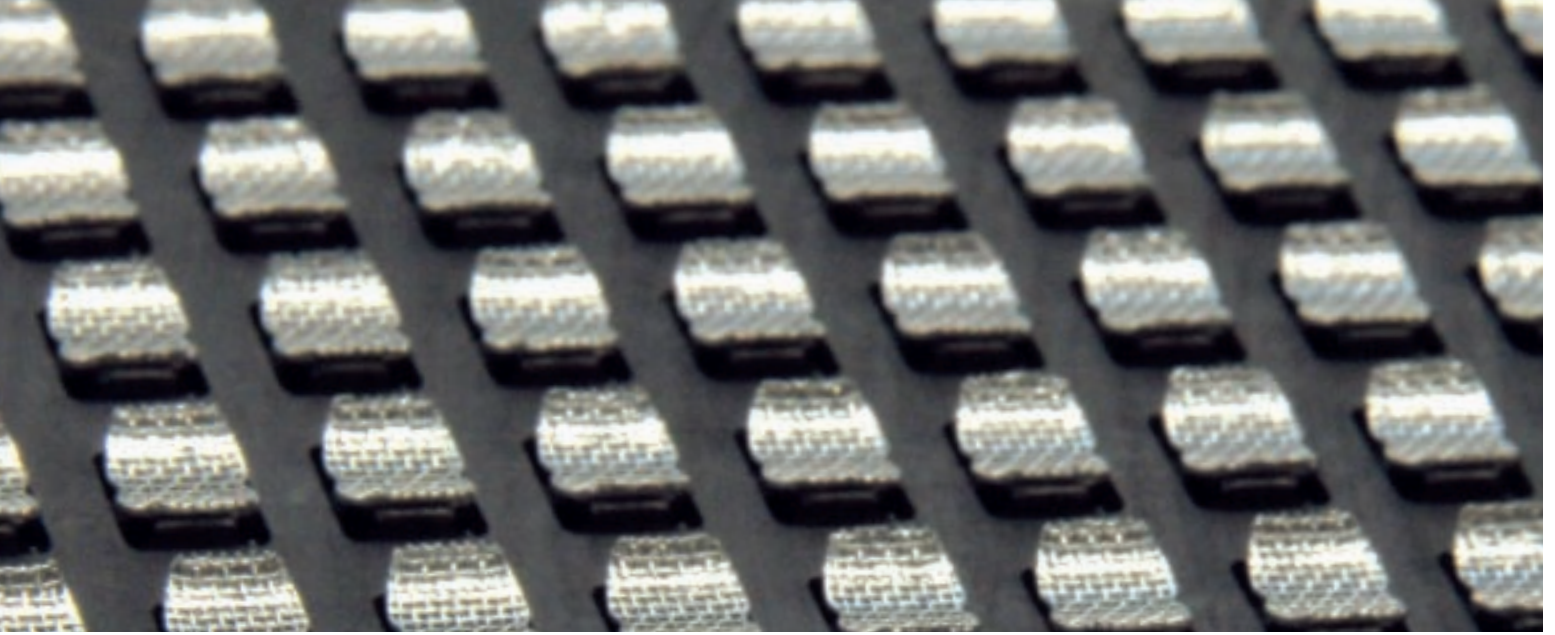
## CALIBRA® BANDS LOWER 2<sup>nd</sup> MOLAR

7 | 7

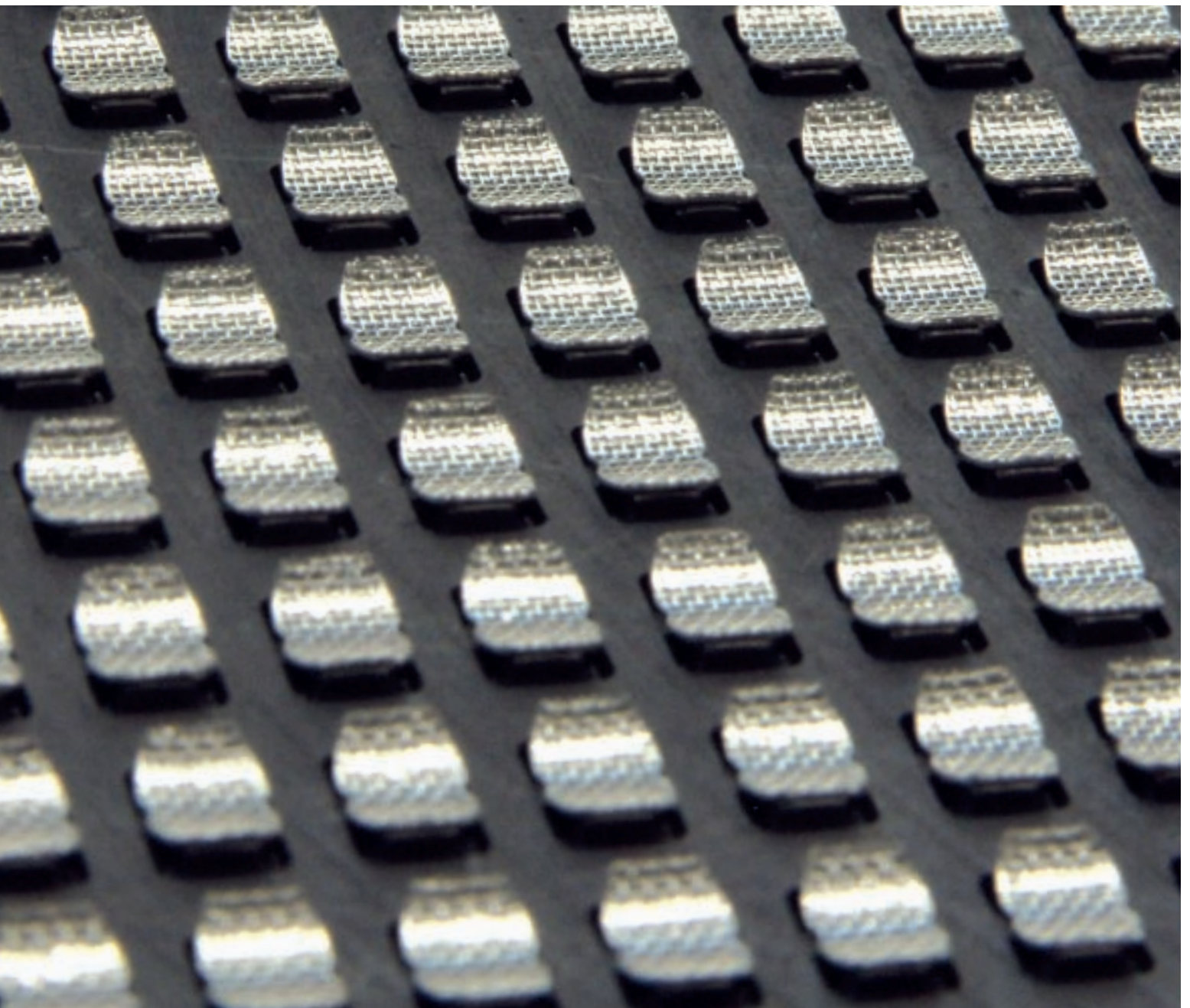
as indication and without warranty

LEONE CALIBRA - E2200/E2300-00	DENTAURUM - Dentaform	A. COMPANY	AMERICAN ORTH.	G.A.C.	LANGER	ORMCO	R.M.O.	TP - Labs	UNITEK	LEONE CALIBRA - E2600/E2700-00	DENTAURUM - Dentaform	A. COMPANY	AMERICAN ORTH.	G.A.C.	LANGER	ORMCO	R.M.O.	TP - Labs	UNITEK	
		1										1								
		2										2								
		3							28	1		3		1						
	1	4									4									
1	2	5		1					28,5	2		5							28	
2	3	6		2					29	3			2						28,5	
3	4			3	1					4		6	3	29,5					29	
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13	14		9	9	7			4		12	8	13		10	32,5			6	32,5	
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16	17	3,5	12	12	10	9		7	33,5	15	10	14	3	12	9	9		8	33	
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36	37			25	23	23		27		35	30	34		24	38,5	22	23	24		
37	38			26	24	24		28	38	36	31	35		25	39	23	24	25	38,5	
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40	41			27	26	26		31	39	39	34	38		28		26	26	28		
41	42	9	27	27	27	27		32		40	35	39		29	27	27	27	28	39,5	
42	43	9,5	28	28	28	28		33	39,5	41	36	40		30	28	28	29			
43	44			29	28	29		34		42	37	41		31	29	29	30	30	40	
44	45			30	29	30		35	40,5	43	38	42		32	30	29	31	31	40,5	
45	46	10,5	30	30	30	32		36		44	39	43		33	31	30	32	32		
46	47	11	31	31	31			37	41	45	40	44		34	32	31			41	
47	48	11,5	32	32	32			38		46	41	45	11	35	32	32				
48	49			33	32			39		47	42	46		36	33	32				
49	50			34	33			40		48	43	47		37	34	33				
50	51			35	34			41		49	44	48		38	35	34				





direct bonding



# vestibular direct bonding systems



METAL

AESTHETIC

systems		* Damon# Standard	Edgew.	Super Edgew.	* Tweed	* Andrews	* Roth	STEP system	* Boston	* Alexander	* Ricketts	* Burstone									
stainless steel <b>F1000</b>	page	61																			
stainless steel	page		63	63	65	65	66		67		66	67									
stainless steel Mini	page		64																		
stainless steel <b>Mini diagonal</b> *	page				71	70					70										
stainless steel <b>Midi diagonal</b> *	page						72			73	72										
No-Nickel <b>EXTREMO</b>	page		75				75														
stainless steel <b>Logic Line</b> ™	page						82	79													
micro-filled copolymer <b>Logic Line</b> ™	page						87	85													
ceramics <b>AQUA</b> ™	page						89				89										
ceramics <b>Logic Line</b> ™	page						87	86													
fiber glass	page		90			90	91				91										
siliceous copolymer <b>Natura</b> *	page		92				93				92										
maxillary arch		torq.	ang.	torq.	ang.	torq.	ang.	torq.	ang.	torq.	ang.	torq.	ang.	torq.	ang.	torq.	ang.	torq.	ang.	torq.	ang.
1   1	central	+12°	+5°	0°	0°	0°	0°	+7°	+5°	+12°	+5°	+17°	+4°	+12°	+5°	+14°	+5°	+22°	0°	+12°	+5°
2   2	lateral	+8°	+9°	0°	0°	0°	0°	+3°	+9°	+8°	+9°	+9°	+8°	+8°	+9°	+7°	+8°	+14°	+8°	+8°	+9°
3   3	cuspid	0°	+6°	0°	0°	0°	0°	-7°	+11°	-2°	+13°	-7°	+11°	0°	+9°	-3°	+10°	+7°	+5°	-7°	+5°
4   4	1 <sup>st</sup> bicuspid	-7°	+2°	0°	0°	0°	0°	-7°	0°	-7°	0°	-7°	+2°	0°	-7°	0°	0°	0°	0°	-7°	0°
5   5	2 <sup>nd</sup> bicuspid	-7°	+2°	0°	0°	0°	0°	-7°	0°	-7°	0°	-7°	+2°	0°	-7°	0°	0°	0°	0°	-7°	0°
mandibular arch																					
1   1	central	-1°	+2°	0°	0°	0°	0°	0°	0°	0°	0°	-6°	0°	0°	-5°	0°	0°	0°	0°	0°	0°
2   2	lateral	-1°	+2°	0°	0°	0°	0°	0°	0°	0°	0°	-6°	0°	0°	-5°	0°	0°	0°	0°	0°	0°
3   3	cuspid	0°	+5°	0°	0°	0°	0°	-11°	+5°	-11°	+7°	-6°	+5°	0°	+6°	-7°	+6°	+7°	+5°	-11°	+6°
4   4	1 <sup>st</sup> bicuspid	-12°	-2°	0°	0°	0°	0°	-17°	0°	-17°	0°	-12°	+2°	0°	-11°	0°	0°	0°	0°	-17°	0°
5   5	2 <sup>nd</sup> bicuspid	-17°	+2°	0°	0°	0°	0°	-22°	0°	-22°	0°	-17°	+2°	0°	-17°	0°	-15°	0°	0°	-22°	0°

## Torque

(+) = lingual torque of root  
(-) = buccal torque of root

## Angulation

(+) = distal angulation of root  
(-) = mesial angulation of root

\*The orthodontic brackets illustrated in this catalogue are not intended to be a duplication of any other existing system nor does Leone SpA imply that they are endorsed by the above mentioned doctors or Schools in any form.

#Damon is a Trademark of Ormco Corporation.

On request, all direct bonding brackets are also available in bulk packages of 100, with the exception for those with plastic positioner, in ceramics and self-ligating.

# D.B. metal brackets self-ligating with FDI identification<sup>(patented)</sup>



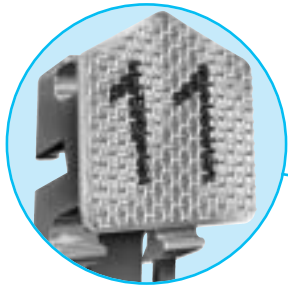
**F1000 brackets** are designed to meet the most sophisticated biomechanical requirements and to allow **an easy clinical management**, without facing the known inconveniences of the other self-ligating systems.

**F1000 brackets** provide all advantages of the most recent clinical scientific evidences on **low friction** and on the application of **light forces** which reduce treatment time for a greater comfort and satisfaction of the patient.

**F1000 brackets** are available with torque and angulation values according to **Dr. Damon**<sup>#</sup>'s standard prescription.



Passive self-ligating bracket  
easy to open and close  
versatile biomechanics  
comfortable for the patient



**pentagonal pad design**  
with laser marked  
FDI identification<sup>(patented)</sup>

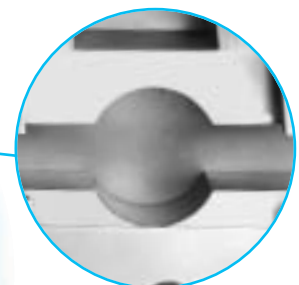
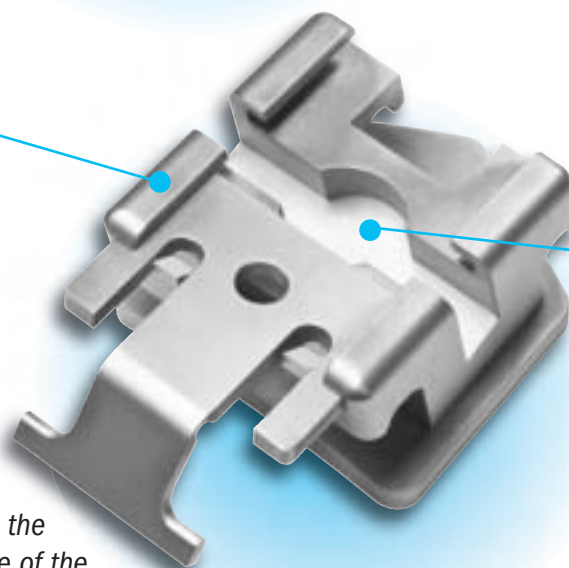


easy to open and close  
thanks to the engagement  
of the sliding fourth wall  
under bracket tie wings

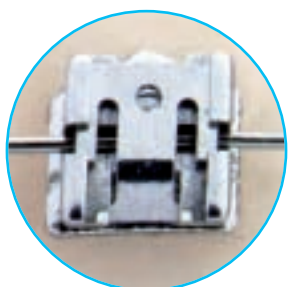
**tie wings**  
designed to allow  
the application of any  
ligatures available



**in/out**  
minimized overall bracket profile  
maximum comfort



**slot with circular design**  
to further  
minimize friction



**hygiene**  
enhanced by the  
special shape of the  
sliding cover and the  
side openings

<sup>#</sup>Damon is a Trademark of Ormco Corporation

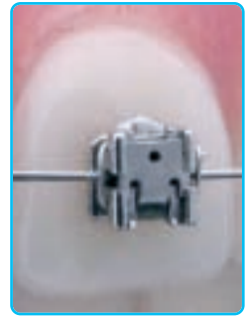
# D.B. metal brackets self-ligating with FDI identification<sup>(patented)</sup>



## Versatile biomechanics and low friction

The **patented self-ligating mechanism** provides an additional sliding fourth wall to the slot to get full biomechanical advantages, by allowing freedom of wire movement inside the slot.

The morphology of the tie wings allows the application of elastic and metallic ligatures, chains and elastic threads making the management of the friction and the anchorage possible in order to get the best biomechanical control.



The self-ligating mechanism covers the slot on the whole mesio-distal width of the bracket: this allows, unlike other self-ligating systems, a good rotation control even with the application of light wires in a low friction environment.

The special circular designed central zone of the slot results in a lower contact with the wire that further minimizes friction, even though maintaining a complete biomechanical control.

## Easy to open and close

The **F1000** self-ligating mechanism is based on the sliding cover's appendix (made of superelastic Nickel Titanium) with a hold under the bracket's tie wings when in the closed position: the special alloy allows the appendix to cross the apex of the tie wings, thus opening the slot by applying a gentle pressure.

**F1000** brackets can be opened with instruments which are currently used in the dental office, such as the utility instrument or a probe. It can be opened by exerting a light pressure on the hole of the cover or on the superior edge of it, with a movement from upwards to downwards which remains in the same direction either for upper or lower brackets.

In this way the sliding ligation cover is kept in the open position on its own under force of gravity, allowing the easy insertion of the archwire. **F1000** brackets can be closed with the same instrument used for opening or with a specific instrument that applies a gentle pressure on the appendix of the sliding cover, by driving it to full closing with ease, while maintaining the wire into the slot.

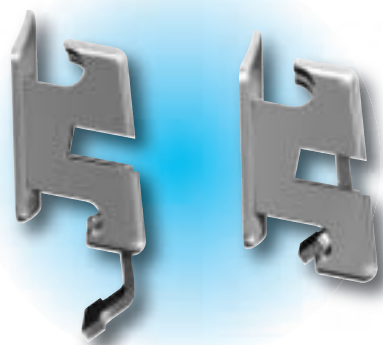


## Hygiene, safety and comfort

The **F1000** self-ligating mechanism is based on the sliding cover's appendix with a hold under the bracket's tie wings: therefore **F1000** brackets **do not require any complex closing system**.

Cleaning of the area under the sliding cover is enhanced from the side opening favouring the action of the water jet. The principle of this self-ligating mechanism is very simple, safe and easy to use in the mouth. The cover slides into the two side rails on the bracket's face in which it is constrained, therefore an accidental release, i.e. caused by wire pressure and/or unintentional operations cannot happen.

The shape without discontinuities, the ultra-smooth contours and the minimal in/out value make the **F1000** brackets as comfortable as the conventional ones.



# D.B. metal brackets self-ligating with FDI identification<sup>(patented)</sup>



Courtesy of Dr L. Franchi - University of Florence

## D.B. self-ligating brackets with identification FDI<sup>(patented)</sup>

The **diagonal** bracket configuration and the **pentagonal** pad design make the alignment with the crown-long axis intuitive: the positioning on the tooth will result as accurate as the conventional brackets. **Torque-in-base** ensures the delivery of the single forces and torque movements on the desired area of the crown for more predictable orthodontic results. Cuspid and bicuspid brackets feature a ball hook to facilitate the application of intra- and inter-maxillary tractions such as elastics, chains and springs.

Packs of 5

### Dr. DAMON<sup>®</sup> STANDARD PRESCRIPTION WITH FDI IDENTIFICATION<sup>(patented)</sup>

	torque	ang.	.022"x.030"	
	+12°	+5°	1	F1000-11 F1000-21
	+8°	+9°	2	F1000-12 F1000-22
	0°	+6°	3	F1000-13 F1000-23
	-7°	+2°	4	F1000-14 F1000-24
	-7°	+2°	5	F1000-15 F1000-25
	-1°	+2°	1	F1000-41 F1000-31
	-1°	+2°	2	F1000-42 F1000-32
	0°	+5°	3	F1000-43 F1000-33
	-12°	+2°	4	F1000-44 F1000-34
	-17°	+2°	5	F1000-45 F1000-35

#### Dr. DAMON<sup>®</sup> STANDARD PRESCRIPTION

	20 brackets - 1 case	200 brackets - 10 cases
.022"	F1000-91	F1001-91

## MEMORIA<sup>®</sup> preformed archwires "V" bend for F1000 self-ligating brackets

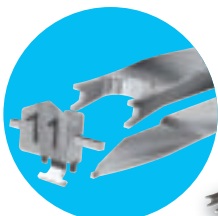
Made of special superelastic nickel-titanium, they release a specifically calibrated force range for use with **F1000** self-ligating brackets.

The ideal shape perfectly fits the in/out of the brackets and presents a "V" bend to avoid undesired dislocations.

Packs of 10

upper	inch	lower
C3911V13	.013	C3951V13
C3911V14	.014	C3951V14
C3911V16	.016	C3951V16

upper	inch	lower
C3912V14	.014x.025	C3952V14
C3912V16	.016x.025	C3952V16
C3912V17	.017x.025	C3952V17
C3912V18	.018x.025	C3952V18
C3912V19	.019x.025	C3952V19



## P1506-00 Instrument for F1000 self-ligating brackets

It allows for arch wire engagement by holding the wire into the slot. With a gentle pressure it also drives the appendix of the ligation cover to full closing.

# D.B. metal brackets standard



Leone offers a wide selection of D.B. brackets with all the options for traditional techniques. Standard metal brackets are brazed with a special palladium base alloy to 80 gauge mesh sintered pads to assure high bond strength to the tooth with any kind of adhesive.

Bonding pads are anatomically contoured to adapt to the tooth.

Brackets with hook are manufactured with **MIM**<sup>®</sup> (Metal Injection Moulding) technique which Leone is a leader of. All the other types of standard metal brackets are manufactured from stainless steel profiles medical degree by means of computer aided machines. Smooth and rounded contours to guarantee the maximum comfort for the patient and to facilitate the elimination of the plaque.

The pre adjusted brackets feature a distal-gingival identification dot to simplify the application in the mouth.

All Leone brackets are supplied in pleasant and ergonomic packages.



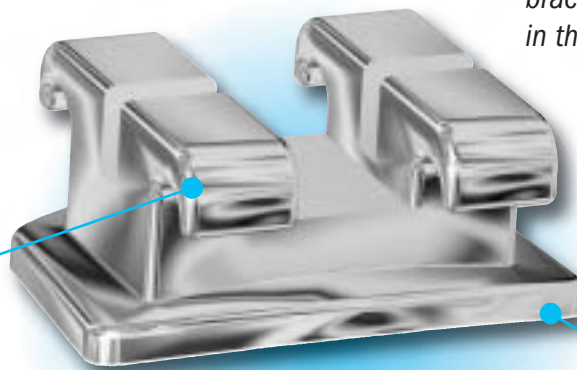
## brackets with hook

manufactured with **MIM**<sup>®</sup>  
(Metal Injection Moulding)  
technique



## rounded edges

to ensure the best  
patient comfort



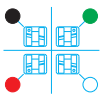
## disto-gingival identification dot

featured on the pre adjusted  
brackets to simplify the application  
in the mouth

## anatomical bonding base

designed to match the  
anatomy of the tooth

## The identification of Leone standard brackets is easy:



A colour dot identifies the disto-gingival edge on standard brackets pre adjusted with torque and angulation values.

Caution! The colour dot must be always disto-gingival positioned.



High tie wings on bicuspid have to be positioned to the gingival side for ease of ligation and to prevent gingival impingement



A bevel may be present on lower anteriors which has to be always positioned to the incisal side to minimize occlusal interference.

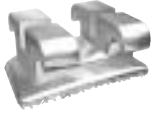


Ball hooks have to be always positioned to the gingival side.



There is no difference in the placement for brackets without angulation or torque adjustments and not colour coded.

# D.B. metal brackets standard



## EDGEWISE STANDARD SYSTEM



## SUPER EDGEWISE SYSTEM

	torque 	ang. 		
			.018"x.030"	.022"x.030"
	0°	$\frac{1}{1}$	F2081-21	F2021-21
	0°	$\frac{2}{2}$	F2082-31	F2022-31
	0°	$\frac{3}{3}$	F2083-04	F2023-04
	0°	$\frac{3}{3}$	F2073-02 F2073-03	F2013-02 F2013-03
	0°	$\frac{4}{4}$	F2089-04	F2029-04
	0°	$\frac{5}{5}$	F2089-04	F2029-04
	0°	$\frac{5}{5}$	F2079-02 F2079-03	F2019-02 F2019-03
	0°	$\frac{1}{1}$	F2080-05	F2020-25
	0°	$\frac{2}{2}$	F2080-05	F2020-25
	0°	$\frac{3}{3}$	F2083-04	F2023-04
	0°	$\frac{3}{3}$	F2073-03 F2073-02	F2013-03 F2013-02
	0°	$\frac{4}{4}$	F2089-04	F2029-04
	0°	$\frac{5}{5}$	F2089-04	F2029-04
	0°	$\frac{5}{5}$	F2079-03 F2079-02	F2019-03 F2019-02

Packs of 10

	torque 	ang. 		
			.018"x.030"	.022"x.030"
	0°	$\frac{1}{1}$	F2081-21	F2021-21
	0°	$\frac{2}{2}$	F2082-21	F2022-21
	0°	$\frac{3}{3}$	F2183-04	F2123-04
	0°	$\frac{3}{3}$	F2173-02 F2173-03	F2113-02 F2113-03
	0°	$\frac{4}{4}$	F2189-04	F2129-04
	0°	$\frac{5}{5}$	F2189-04	F2129-04
	0°	$\frac{5}{5}$	F2179-02 F2179-03	F2119-02 F2119-03
	0°	$\frac{1}{1}$	F2080-35	F2020-05
	0°	$\frac{2}{2}$	F2080-35	F2020-05
	0°	$\frac{3}{3}$	F2183-04	F2123-04
	0°	$\frac{3}{3}$	F2173-03 F2173-02	F2113-03 F2113-02
	0°	$\frac{4}{4}$	F2189-04	F2129-04
	0°	$\frac{5}{5}$	F2189-04	F2129-04
	0°	$\frac{5}{5}$	F2179-03 F2179-02	F2119-03 F2119-02

Packs of 10



EDGEWISE STANDARD SYSTEM							
	20 brackets - 1 case		200 brackets - 10 cases		500 brackets - 25 cases		1000 brackets - 50 cases
		with hook		with hook			
.018"	F2080-91	F2070-91	F2081-91	F2071-91	F2083-91		F2085-91
.022"	F2020-91	F2010-91	F2021-91	F2011-91	F2023-91		F2025-91
SUPER EDGEWISE SYSTEM							
.018"	F2180-91	F2170-91	F2181-91	F2171-91	F2183-91		F2185-91
.022"	F2120-91	F2110-91	F2121-91	F2111-91	F2123-91		F2125-91

# D.B. metal brackets standard



## EDGEWISE MINI SYSTEM

			torque 	ang. 	 .018"x.030"	 .022"x.030"
		3.3	0°	$\frac{1}{1}$	F2281-01	F2221-01
		2.7		$\frac{2}{2}$	F2282-01	F2222-01
		2.7		$\frac{3}{3}$	F2283-04	F2223-04
		2.7		$\frac{4}{4}$	F2289-04	F2229-04
		2.7		$\frac{5}{5}$	F2289-04	F2229-04
		2.1	0°	$\frac{1}{1}$	F2280-05	F2220-05
		2.1		$\frac{2}{2}$	F2280-05	F2220-05
		2.7		$\frac{3}{3}$	F2283-04	F2223-04
		2.7		$\frac{4}{4}$	F2289-04	F2229-04
		2.7		$\frac{5}{5}$	F2289-04	F2229-04

Packs of 10

EDGEWISE MINI SYSTEM				
	20 brackets - 1 case		200 brackets - 10 cases	
.018"	F2280-91		F2281-91	
.022"	F2220-91		F2221-91	
	500 brackets - 25 cases		1000 brackets - 50 cases	
.018"	F2283-91		F2285-91	
.022"	F2223-91		F2225-91	



## Packages

All brackets are supplied exclusively in original Leone packages.

The one-case kit boxes feature a sealed closure and when opened in the presence of the patient it is a sign of hygiene and cleanliness.

The back label shows the description, the lot number and the symbols related to the product.

The 10-case and other larger kit boxes are made of ABS plastic resin. A large label applied on the cover clearly shows the information on the product: the code and lot number, the descriptions are brought on the front side of the insert as well since all the Leone inserts are stackable.

The inserts are provided with a protection clear plastic cover for brackets and the references for positioning in the mouth are also clearly indicated.





# D.B. metal brackets standard



## TWEED SYSTEM

torque 	ang. 	.018"x.030"		.022"x.030"	
0°					
0°					

Packs of 10



## ANDREWS SYSTEM

torque 	ang. 	.018"x.030"		.022"x.030"	
+7°	+5°				
+3°	+9°				
-7°	+11°				
-7°	+11°				
-7°	0°				
-7°	0°				
0°	0°				
-11°	+5°				
-11°	+5°				
-17°	0°				
-22°	0°				
-22°	0°				

Packs of 10



TWEED SYSTEM								
	20 brackets - 1 case		200 brackets - 10 cases		500 brackets - 25 cases		1000 brackets - 50 cases	
		with hook		with hook				
.018"	<b>F2080-93</b>		<b>F2081-93</b>		<b>F2083-93</b>		<b>F2085-93</b>	
.022"	<b>F2020-93</b>		<b>F2021-93</b>		<b>F2023-93</b>		<b>F2025-93</b>	
ANDREWS SYSTEM								
.018"	<b>F2480-92</b>	<b>F2470-93</b>	<b>F2481-92</b>	<b>F2471-93</b>	<b>F2483-92</b>		<b>F2485-92</b>	
.022"	<b>F2420-93</b>	<b>F2410-93</b>	<b>F2421-93</b>	<b>F2411-93</b>	<b>F2423-93</b>		<b>F2425-93</b>	

# D.B. metal brackets standard



## ROTH SYSTEM

	torque	ang.	.018"x.030"		.022"x.030"	
	+12°	+5°	<u>1</u> 1	F2481-22 F2481-23	<u>1</u> 1	F2421-22 F2421-23
	+8°	+9°	<u>2</u> 2	F2482-42 F2482-43	<u>2</u> 2	F2422-22 F2422-23
	-2°	+13°	<u>3</u> 3	F2483-32 F2483-33	<u>3</u> 3	F2423-52 F2423-53
	-2°	+13°	<u>3</u> 3	F2473-22 F2473-23	<u>3</u> 3	F2413-22 F2413-23
	-7°	0°	<u>4</u> 4	F2484-05	<u>4</u> 4	F2429-11
	-7°	0°	<u>5</u> 5	F2484-05	<u>5</u> 5	F2429-11
	-7°	0°	<u>5</u> 5	F2479-02 F2479-03	<u>5</u> 5	F2419-12 F2419-13
	0°		<u>1</u> 1	F2080-35	<u>1</u> 1	F2020-05
	0°		<u>2</u> 2	F2080-35	<u>2</u> 2	F2020-05
	-11°	+5°	<u>3</u> 3	F2483-26 F2483-27	<u>3</u> 3	F2423-36 F2423-37
	-11°	+5°	<u>3</u> 3	F2473-16 F2473-17	<u>3</u> 3	F2413-16 F2413-17
	-17°	0°	<u>4</u> 4	F2489-25	<u>4</u> 4	F2429-05
	-22°	0°	<u>5</u> 5	F2489-15	<u>5</u> 5	F2429-15
	-22°	0°	<u>5</u> 5	F2479-06 F2479-07	<u>5</u> 5	F2419-16 F2419-17

Packs of 10



## RICKETTS SYSTEM

	torque	ang.	.018"x.030"	
	+22°	0°	<u>1</u> 1	F2481-32 F2481-33
	+14°	+8°	<u>2</u> 2	F2482-02 F2482-03
	+7°	+5°	<u>3</u> 3	F2483-02 F2483-03
	+7°	+5°	<u>3</u> 3	F2473-02 F2473-03
	0°		<u>4</u> 4	F2084-04
	0°		<u>5</u> 5	F2085-01
	0°		<u>5</u> 5	F2075-02 F2075-03
	0°		<u>1</u> 1	F2080-35
	0°		<u>2</u> 2	F2080-35
	+7°	+5°	<u>3</u> 3	F2483-06 F2483-07
	+7°	+5°	<u>3</u> 3	F2473-06 F2473-07
	0°		<u>4</u> 4	F2084-04
	-15°	0°	<u>5</u> 5	F2485-06 F2485-07
	-15°	0°	<u>5</u> 5	F2475-06 F2475-07

Packs of 10



ROTH SYSTEM								
	20 brackets - 1 case		200 brackets - 10 cases		500 brackets - 25 cases		1000 brackets - 50 cases	
		with hook		with hook				
.018"	F2480-95	F2470-95	F2481-95	F2471-95	F2483-95		F2485-95	
.022"	F2420-94	F2410-94	F2421-94	F2411-94	F2423-94		F2425-94	
RICKETTS SYSTEM								
.018"	F2480-94	F2470-94	F2481-94	F2471-94	F2483-94		F2485-94	

# D.B. metal brackets standard



## BOSTON SYSTEM

	torque 	ang. 	 .018"x.030"	 .022"x.030"
3.3	+12°	+5°	<u>1</u> <u>1</u>	<b>F2481-22</b> <b>F2481-23</b>
2.7	+8°	+9°	<u>2</u> <u>2</u>	<b>F2482-42</b> <b>F2482-43</b>
2.7	0°	+9°	<u>3</u> <u>3</u>	<b>F2123-02</b> <b>F2123-03</b>
3.3	0°	+9°	<u>3</u> <u>3</u>	<b>F2113-12</b> <b>F2113-13</b>
2.7	0°		<u>4</u> <u>4</u>	<b>F2129-04</b>
2.7	0°		<u>5</u> <u>5</u>	<b>F2129-04</b>
2.1	0°		<u>1</u> <u>1</u>	<b>F2180-05</b>
2.1	0°		<u>2</u> <u>2</u>	<b>F2180-05</b>
2.7	0°	+6°	<u>3</u> <u>3</u>	<b>F2123-06</b> <b>F2123-07</b>
3.3	0°	+6°	<u>3</u> <u>3</u>	<b>F2113-06</b> <b>F2113-07</b>
2.7	0°		<u>4</u> <u>4</u>	<b>F2129-04</b>
2.7	0°		<u>5</u> <u>5</u>	<b>F2129-04</b>

Packs of 10



## BURSTONE SYSTEM

	torque 	ang. 	 .022"x.030"
3.3	+12°	+5°	<u>1</u> <u>1</u>
2.7	+8°	+9°	<u>2</u> <u>2</u>
2.5	-7°	+5°	<u>3</u> <u>3</u>
3.3	-7°	0°	<u>4</u> <u>4</u>
3.3	-7°	0°	<u>5</u> <u>5</u>
3.3	-7°	0°	<u>5</u> <u>5</u>
2.1	0°		<u>1</u> <u>1</u>
2.1	0°		<u>2</u> <u>2</u>
2.5	-11°	+6°	<u>3</u> <u>3</u>
3.3	-17°	0°	<u>4</u> <u>4</u>
3.3	-22°	0°	<u>5</u> <u>5</u>
3.3	-22°	0°	<u>5</u> <u>5</u>

Packs of 10



BOSTON SYSTEM								
	20 brackets - 1 case		200 brackets - 10 cases		500 brackets - 25 cases		1000 brackets - 50 cases	
		with hook		with hook		with hook		with hook
	<b>F2120-95</b>	<b>F2110-95</b>	<b>F2121-95</b>	<b>F2111-95</b>	<b>F2123-95</b>	<b>F2113-95</b>	<b>F2125-95</b>	<b>F2115-95</b>
BURSTONE SYSTEM								
.022"	<b>F2620-91</b>	<b>F2610-91</b>	<b>F2621-91</b>	<b>F2611-91</b>	<b>F2623-91</b>		<b>F2625-91</b>	

# D.B. metal brackets standard



## D.B. Brackets with plastic positioner

Available in the Edgewise, Super Edgewise, Tweed, Ricketts, Andrews, Boston, Roth only for prescriptions of metal brackets.

The vertical shape of the plastic positioner facilitates the alignment of the bracket with the tooth long axis while the incisal edge gives the exact occlusal-gingival position.

Packs of 5



## Identification system of each single tooth

The mouth is color coded by quadrant like the pre adjusted brackets.

Each plastic positioner is marked with a number identifying each tooth.

Colour of positioner

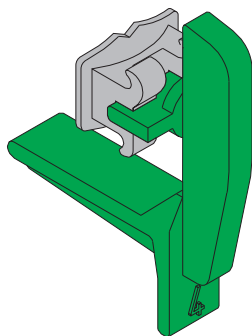
UR	BLACK	GREEN	UL
LR	RED	WHITE	LL

## How to order brackets with plastic positioner

Part numbers are the same of the corresponding D.B. regular brackets.

In replacement of the hyphen, a letter identifying the single tooth has been inserted.

The part numbers of the kits are the same as the equivalent kits without plastic positioner, but in replacement of the hyphen, the letter "J" has been inserted.



Upper right black					Upper left green					
code letter	I	G	E	C	A	B	D	F	H	K
tooth	5	4	3	2	1	1	2	3	4	5
	5	4	3	2	1	1	2	3	4	5
	W	T	R	P	N	O	Q	S	U	X
	Lower right red					Lower left white				

Example:

$$\frac{2}{\text{Edgewise}} \mid \frac{2}{.022} \text{ F2022-31} = \begin{matrix} \text{F2022C31} \\ \text{black positioner} \\ \text{F2022D31} \\ \text{green positioner} \end{matrix} \quad \begin{matrix} \underline{2} \\ \underline{2} \end{matrix}$$

# D.B. metal brackets with FDI identification number *(patented)*



An original idea by Leone, protected by several patents all over the world, has reduced the possibility of mistakes in the bracket placement: an issue to be avoided with pre-adjusted techniques.

Each bracket is laser marked on the mesh pad with the equivalent tooth number which can be easily identified with the FDI System (Fédération Dentaire Internationale). The FDI system identifies each tooth with two numbers. The first one indicates the quadrant while the second one identifies the tooth according to Palmer's notation.

For example: the bracket for the upper right central incisor has got number 11 laser-marked on the mesh pad.

This number is legible without the aid of enlargement lenses and it allows an immediate identification of the bracket.

The laser etching on the mesh significantly improves the retention of the adhesive.

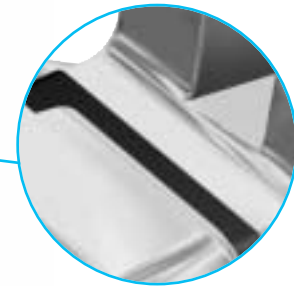


## ball hook

**MIM**<sup>®</sup> injection molded and integrated on cuspids and bicuspid

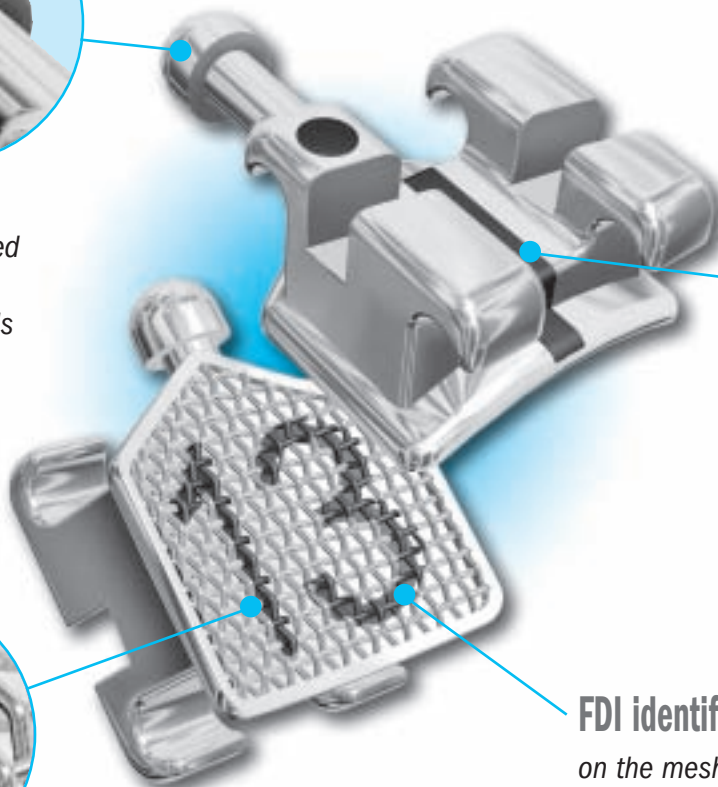
## central scribe line

*laser marked between tie wings and identification disto-gingival dot for ease of placement*



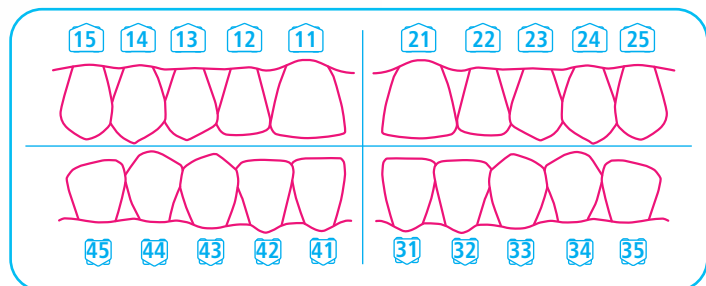
## anatomical 80 mesh pads

*for excellent bond strength with the use of any adhesive, lower bicuspid feature a bonding pad extended to occlusal to minimize interferences*



## FDI identification system

*on the mesh pad*



# D.B. brackets MINI DIAGONALI® with FDI identification number (patented)



## MINI DIAGONALI® ROTH SYSTEM



## MINI DIAGONALI® RICKETTS SYSTEM

	torque	ang.			
			.018"x.030"	.022"x.030"	
3.3	+12°	+5°	<u>1</u>	F7281-02 F7281-03	F7221-02 F7221-03
2.7	+8°	+9°	<u>2</u>	F7282-02 F7282-03	F7222-02 F7222-03
2.7	-2°	+13°	<u>3</u>	F7283-02 F7283-03	F7223-02 F7223-03
2.7	-2°	+13°	<u>3</u>	F7273-02 F7273-03	F7213-02 F7213-03
2.7	-7°	0°	<u>4</u>	F7184-02 F7184-03	F7124-02 F7124-03
2.7	-7°	0°	<u>4</u>	F7274-02 F7274-03	F7214-02 F7214-03
2.7	-7°	0°	<u>5</u>	F7185-02 F7185-03	F7125-02 F7125-03
2.7	-7°	0°	<u>5</u>	F7179-02 F7179-03	F7119-02 F7119-03
2.1	0°		<u>1</u>	F7081-06 F7081-07	F7021-06 F7021-07
2.1	0°		<u>2</u>	F7082-06 F7082-07	F7022-06 F7022-07
2.7	-11°	+7°	<u>3</u>	F7283-06 F7283-07	F7223-06 F7223-07
2.7	-11°	+7°	<u>3</u>	F7273-06 F7273-07	F7213-06 F7213-07
2.7	-17°	0°	<u>4</u>	F7184-06 F7184-07	F7124-06 F7124-07
2.7	-17°	0°	<u>4</u>	F7274-06 F7274-07	F7214-06 F7214-07
2.7	-22°	0°	<u>5</u>	F7185-06 F7185-07	F7125-06 F7125-07
2.7	-22°	0°	<u>5</u>	F7175-06 F7175-07	F7115-06 F7115-07

Packs of 10

	torque	ang.			
			.018"x.030"		
3.3	+22°	0°	<u>1</u>	F7081-02 F7081-03	
2.7	+14°	+8°	<u>2</u>	F7082-02 F7082-03	
2.7	+7°	+5°	<u>3</u>	F7083-02 F7083-03	
2.7	+7°	+5°	<u>3</u>	F7073-02 F7073-03	
2.7	0°		<u>4</u>	F7084-02 F7084-03	
2.7	0°		<u>4</u>	F7074-02 F7074-03	
2.7	0°		<u>5</u>	F7085-02 F7085-03	
2.7	0°		<u>5</u>	F7079-02 F7079-03	
2.1	0°		<u>1</u>	F7081-06 F7081-07	
2.1	0°		<u>2</u>	F7082-06 F7082-07	
2.7	+7°	+5°	<u>3</u>	F7083-06 F7083-07	
2.7	+7°	+5°	<u>3</u>	F7073-06 F7073-07	
2.7	0°		<u>4</u>	F7084-06 F7084-07	
2.7	0°		<u>4</u>	F7074-06 F7074-07	
2.7	-15°	0°	<u>5</u>	F7085-06 F7085-07	
2.7	-15°	0°	<u>5</u>	F7075-06 F7075-07	

Packs of 10

Brackets not available into kits



MINI DIAGONALI® ROTH SYSTEM								
	20 brackets - 1 case		200 brackets - 10 cases		500 brackets - 25 cases		1000 brackets - 50 cases	
		with hook		with hook		with hook		with hook
.018"	F7280-91	F7270-91	F7281-91	F7271-91	F7283-91	F7273-91	F7285-91	
.022"	F7220-91	F7210-91	F7221-91	F7211-91	F7223-91	F7213-91	F7225-91	F7215-91
MINI DIAGONALI® RICKETTS SYSTEM								
.018"	F7080-91	F7070-91	F7081-91	F7071-91	F7083-91	F7073-91	F7085-91	F7075-91

# D.B. brackets MINI DIAGONALI® with FDI identification number *(patented)*



## MINI DIAGONALI® ANDREWS SYSTEM

			torque 	ang. 	 .018"x.030"	 .022"x.030"
		3.3	+7°	+5°	1] F7181-02	F7121-02
					1] F7181-03	F7121-03
		2.7	+3°	+9°	2] F7182-02	F7122-02
					2] F7182-03	F7122-03
		2.7	-7°	+11°	3] F7183-02	F7123-02
					3] F7183-03	F7123-03
		2.7	-7°	+11°	3] F7173-02	F7113-02
					3] F7173-03	F7113-03
		2.7	-7°	0°	4] F7184-02	F7124-02
					4] F7184-03	F7124-03
		2.7	-7°	0°	5] F7185-02	F7125-02
					5] F7185-03	F7125-03
		2.7	-7°	0°	5] F7179-02	F7119-02
					5] F7179-03	F7119-03
		2.1	0°		1] F7081-06	F7021-06
			1] F7081-07	F7021-07		
		2.1	0°		2] F7082-06	F7022-06
			2] F7082-07	F7022-07		
		2.7	-11°	+5°	3] F7183-06	F7123-06
					3] F7183-07	F7123-07
		2.7	-11°	+5°	3] F7173-06	F7113-06
					3] F7173-07	F7113-07
		2.7	-17°	0°	4] F7184-06	F7124-06
					4] F7184-07	F7124-07
		2.7	-22°	0°	5] F7185-06	F7125-06
					5] F7185-07	F7125-07
		2.7	-22°	0°	5] F7175-06	F7115-06
					5] F7175-07	F7115-07

Packs of 10



## Packages

All brackets are supplied exclusively in original Leone packages.

The one-case kit boxes feature a sealed closure and when opened in the presence of the patient it is a sign of hygiene and cleanliness.

The back label shows the description, the lot number and the symbols related to the product.

The 10-case and other larger kit boxes are made of ABS plastic resin. A large label applied on the cover clearly shows the information on the product: the code and lot number, the descriptions are brought on the front side of the insert as well since all the Leone inserts are stackable.

The inserts are provided with a protection clear plastic cover for brackets and the references for positioning in the mouth are also clearly indicated.



MINI DIAGONALI® ANDREWS SYSTEM				
	20 brackets - 1 case		200 brackets - 10 cases	
		with hook		with hook
.018"	F7180-91	F7170-91	F7181-91	F7171-91
.022"	F7120-91	F7110-91	F7121-91	F7111-91
	500 brackets - 25 cases		1000 brackets - 50 cases	
	.018"	F7183-91	F7185-91	
.022"	F7123-91		F7125-91	F7115-91

# D.B. brackets MIDI DIAGONALI® with FDI identification number (patented)



## MIDI DIAGONALI® ROTH SYSTEM

			torque	ang.	.018"x.030"		.022"x.030"	
		3.6	+12°	+5°	1	F4281-02	F4221-02	
					1	F4281-03	F4221-03	
		3.3	+8°	+9°	2	F4282-02	F4222-02	
					2	F4282-03	F4222-03	
		3.3	-2°	+13°	3	F4273-02	F4213-02	
					3	F4273-03	F4213-03	
		3.3	-2°	+13°	3	F4283-02	F4223-02	
					3	F4283-03	F4223-03	
		3.3	-7°	0°	4	F4274-02	F4214-02	
					4	F4274-03	F4214-03	
		3.3	-7°	0°	4	F4284-02	F4224-02	
					4	F4284-03	F4224-03	
		3.3	-7°	0°	5	F4275-02	F4215-02	
					5	F4275-03	F4215-03	
		3.3	-7°	0°	5	F4285-02	F4225-02	
					5	F4285-03	F4225-03	
		2.1	0°		1	F4281-06	F4221-06	
			1	F4281-07	F4221-07			
		2.1	0°		2	F4282-06	F4222-06	
			2	F4282-07	F4222-07			
		3.3	-11°	+7°	3	F4273-06	F4213-06	
					3	F4273-07	F4213-07	
		3.3	-11°	+7°	3	F4283-06	F4223-06	
					3	F4283-07	F4223-07	
		3.3	-17°	0°	4	F4274-06	F4214-06	
					4	F4274-07	F4214-07	
		3.3	-17°	0°	4	F4284-06	F4224-06	
					4	F4284-07	F4224-07	
		3.3	-22°	0°	5	F4275-06	F4215-06	
					5	F4275-07	F4215-07	
		3.3	-22°	0°	5	F4285-06	F4225-06	
					5	F4285-07	F4225-07	

Packs of 10



## MIDI DIAGONALI® RICKETTS SYSTEM

			torque	ang.	.018"x.030"	
		3.6	+22°	0°	1	F4381-02
					1	F4381-03
		3.3	+14°	+8°	2	F4382-02
					2	F4382-03
		3.3	+7°	+5°	3	F4373-02
					3	F4373-03
		3.3	+7°	+5°	3	F4383-02
					3	F4383-03
		3.3	0°		4	F4374-02
			4	F4374-03		
		3.3	0°		4	F4384-02
			4	F4384-03		
		3.3	0°		5	F4375-02
			5	F4375-03		
		3.3	0°		5	F4385-02
			5	F4385-03		
		2.1	0°		1	F4281-06
			1	F4281-07		
		2.1	0°		2	F4282-06
			2	F4282-07		
		3.3	+7°	+5°	3	F4373-06
					3	F4373-07
		3.3	+7°	+5°	3	F4383-06
					3	F4383-07
		3.3	0°		4	F4374-06
			4	F4374-07		
		3.3	0°		4	F4384-06
			4	F4384-07		
		3.3	-15°	0°	5	F4375-06
					5	F4375-07
		3.3	-15°	0°	5	F4385-06
					5	F4385-07

Packs of 10

Brackets not available into kits



MIDI DIAGONALI® ROTH SYSTEM								
	20 brackets - 1 case		200 brackets - 10 cases		500 brackets - 25 cases		1000 brackets - 50 cases	
.018"	F4270-91		F4271-91		F4273-91		F4275-91	
.022"	F4210-91		F4211-91		F4213-91		F4215-91	
MIDI DIAGONALI® RICKETTS SYSTEM								
.018"	F4370-91		F4371-91		F4373-91		F4375-91	



# D.B. brackets MIDI DIAGONALI® with FDI identification number *(patented)*



## MIDI DIAGONALI® ALEXANDER SYSTEM

	torque 	ang. 		
			.018"x.030"	.022"x.030"
3.6	+14°	+5°	<u>1</u> <u>1</u>	<b>F4580-11</b> <b>F4520-11</b> <b>F4580-21</b> <b>F4520-21</b>
3	+7°	+8°	<u>2</u> <u>2</u>	<b>F4580-12</b> <b>F4520-12</b> <b>F4580-22</b> <b>F4520-22</b>
6.2	-3°	+10°	<u>3</u> <u>3</u>	<b>F4580-13</b> <b>F4520-13</b> <b>F4580-23</b> <b>F4520-23</b>
6.2	-3°	+10°	<u>3</u> <u>3</u>	<b>F4570-13</b> <b>F4510-13</b> <b>F4570-23</b> <b>F4510-23</b>
5.2	-7°	0°	<u>4</u> <u>4</u>	<b>F4580-14</b> <b>F4520-14</b> <b>F4580-24</b> <b>F4520-24</b>
5.2	-7°	0°	<u>5</u> <u>5</u>	<b>F4580-15</b> <b>F4520-15</b> <b>F4580-25</b> <b>F4520-25</b>
4.5	-5°	0°	<u>1</u> <u>1</u>	<b>F4580-41</b> <b>F4520-41</b> <b>F4580-31</b> <b>F4520-31</b>
4.5	-5°	0°	<u>2</u> <u>2</u>	<b>F4580-42</b> <b>F4520-42</b> <b>F4580-32</b> <b>F4520-32</b>
6.2	-7°	+6°	<u>3</u> <u>3</u>	<b>F4580-43</b> <b>F4520-43</b> <b>F4580-33</b> <b>F4520-33</b>
6.2	-7°	+6°	<u>3</u> <u>3</u>	<b>F4570-43</b> <b>F4510-43</b> <b>F4570-33</b> <b>F4510-33</b>
5.2	-11°	0°	<u>4</u> <u>4</u>	<b>F4580-44</b> <b>F4520-44</b> <b>F4580-34</b> <b>F4520-34</b>
5.2	-17°	0°	<u>5</u> <u>5</u>	<b>F4580-45</b> <b>F4520-45</b> <b>F4580-35</b> <b>F4520-35</b>

Packs of 10

Brackets not available into kits

MIDI DIAGONALI® ALEXANDER SYSTEM			
	20 brackets - 1 case	200 brackets - 10 cases	
.018"	<b>F4580-94</b>		<b>F4581-94</b>
.022"	<b>F4520-92</b>		<b>F4521-92</b>
	500 brackets - 25 cases	1000 brackets - 50 cases	
.018"	<b>F4583-94</b>		<b>F4585-94</b>
.022"	<b>F4523-92</b>		<b>F4525-92</b>



## Packages

All brackets are supplied exclusively in original Leone packages.

The one-case kit boxes feature a sealed closure and when opened in the presence of the patient it is a sign of hygiene and cleanliness.

The back label shows the description, the lot number and the symbols related to the product.

The 10-case and other larger kit boxes are made of ABS plastic resin. A large label applied on the cover clearly shows the information on the product: the code and lot number, the descriptions are brought on the front side of the insert as well since all the Leone inserts are stackable.

The inserts are provided with a protection clear plastic cover for brackets and the references for positioning in the mouth are also clearly indicated.



# D.B. brackets **EXTREMO** No-Nickel



Extremo no-nickel brackets are entirely biocompatible due to a **very low nickel content (< 0,09%)**.

CAD designed to get anatomical forms and **MIM®** moulded in single piece, without soldering points.

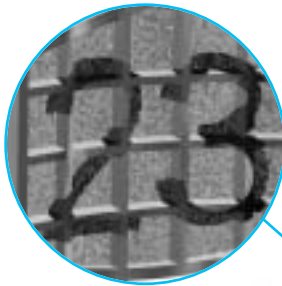
The anatomical base features highly retentive micro cavities for a perfect bond strength and rounded edges to ensure greater patient comfort.

The base on Extremo no-nickel brackets, for Roth prescription, is laser marked with FDI number for immediate identification.

# EXTREMO

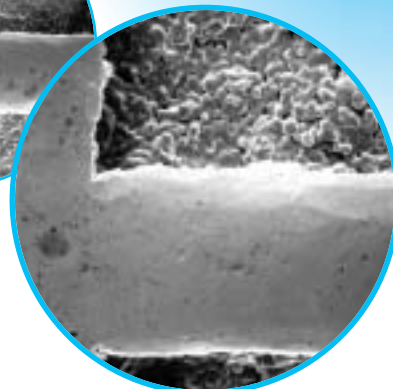
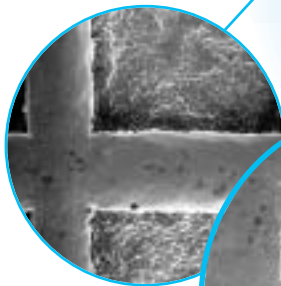
Single piece bracket  
**MIM®** EXTREMO

- Precision
- Constant quality
- No soldering points
- Computer designed anatomical bond bases
- Excellent bond strength
- Biocompatibility
- Patient comfort



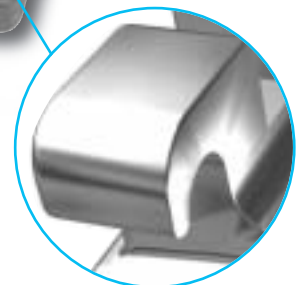
## FDI identification system

*laser marked on the base  
(for Roth prescription)*



## high retention base

*with micro cavities to ensure  
strong retention to the tooth*



## MIM® technology

*perfectly rounded edges  
for maximum comfort*

# D.B. brackets **EXTREMO** No-Nickel



## EXTREMO EDGEWISE STANDARD SYSTEM

	torque 	ang. 	 .018"x.030"	 .022"x.030"
3.6	0°	$\frac{1}{1}$	F9081-11	F9021-11
3	0°	$\frac{2}{2}$	F9081-12	F9021-12
3.3	0°	$\frac{3}{3}$	F9088-14	F9028-14
3.3	0°	$\frac{4}{4}$	F9088-14	F9028-14
3.3	0°	$\frac{5}{5}$	F9088-14	F9028-14
2.6	0°	$\frac{1}{1}$	F9080-15	F9020-15
2.6	0°	$\frac{2}{2}$	F9080-15	F9020-15
3.3	0°	$\frac{3}{3}$	F9088-14	F9028-14
3.3	0°	$\frac{4}{4}$	F9088-14	F9028-14
3.3	0°	$\frac{5}{5}$	F9088-14	F9028-14

Packs of 10



## EXTREMO ROTH SYSTEM WITH FDI IDENTIFICATION<sup>(patented)</sup>

	torque 	ang. 	 .018"x.030"	 .022"x.030"
3.6	+12°	+5°	$\frac{1}{1}$ F9280-11	F9220-11
3.6	+12°	+5°	$\frac{1}{1}$ F9280-21	F9220-21
3	+8°	+9°	$\frac{2}{2}$ F9280-12	F9220-12
3	+8°	+9°	$\frac{2}{2}$ F9280-22	F9220-22
3.3	-2°	+13°	$\frac{3}{3}$ F9270-13	F9210-13
3.3	-2°	+13°	$\frac{3}{3}$ F9270-23	F9210-23
3.3	-7°	0°	$\frac{4}{4}$ F9280-14	F9220-14
3.3	-7°	0°	$\frac{4}{4}$ F9280-24	F9220-24
3.3	-7°	0°	$\frac{4}{4}$ F9270-14	F9210-14
3.3	-7°	0°	$\frac{4}{4}$ F9270-24	F9210-24
3.3	-7°	0°	$\frac{5}{5}$ F9280-15	F9220-15
3.3	-7°	0°	$\frac{5}{5}$ F9280-25	F9220-25
3.3	-7°	0°	$\frac{5}{5}$ F9270-15	F9210-15
3.3	-7°	0°	$\frac{5}{5}$ F9270-25	F9210-25
2.6	0°		$\frac{1}{1}$ F9280-41	F9220-41
2.6	0°		$\frac{1}{1}$ F9280-31	F9220-31
2.6	0°		$\frac{2}{2}$ F9280-42	F9220-42
2.6	0°		$\frac{2}{2}$ F9280-32	F9220-32
3.3	-11°	+7°	$\frac{3}{3}$ F9270-43	F9210-43
3.3	-11°	+7°	$\frac{3}{3}$ F9270-33	F9210-33
3.3	-17°	0°	$\frac{4}{4}$ F9280-44	F9220-44
3.3	-17°	0°	$\frac{4}{4}$ F9280-34	F9220-34
3.3	-17°	0°	$\frac{4}{4}$ F9270-44	F9210-44
3.3	-17°	0°	$\frac{4}{4}$ F9270-34	F9210-34
3.3	-22°	0°	$\frac{5}{5}$ F9280-45	F9220-45
3.3	-22°	0°	$\frac{5}{5}$ F9280-35	F9220-35
3.3	-22°	0°	$\frac{5}{5}$ F9270-45	F9210-45
3.3	-22°	0°	$\frac{5}{5}$ F9270-35	F9210-35

Packs of 10



EXTREMO EDGEWISE STANDARD SYSTEM								
	20 brackets - 1 case		200 brackets - 10 cases		500 brackets - 25 cases		1000 brackets - 50 cases	
		with hook		with hook		with hook		with hook
.018"	F9080-92		F9081-92		F9083-92		F9085-92	
.022"	F9020-92		F9021-92		F9023-92		F9025-92	
EXTREMO ROTH SYSTEM								
.018"	F9280-91	F9270-91	F9281-91	F9271-91	F9283-91	F9273-91	F9285-91	F9275-91
.022"	F9220-91	F9210-91	F9221-91	F9211-91	F9223-91	F9213-91	F9225-91	F9215-91

# D.B. brackets **Logic Line™**



**Logic Line™** brackets combine the most recent evidence-based studies on low friction biomechanics with the reliability and ease of use of the tried and tested twin brackets. The possibility of using either *Slide™*\* low friction ligatures or conventional ones, enhances a versatile therapeutic option not allowed by other methods.

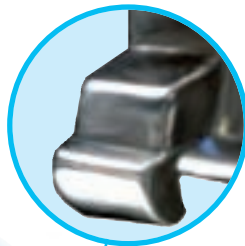
**Logic Line™** brackets are available in metal, ceramics or micro-filled copolymer in the Roth and Step prescriptions.

# Logic™ *Line*

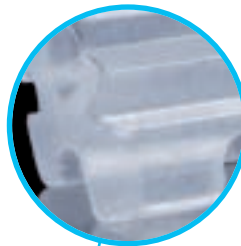
A new design for optimum use with *Slide™*\* low friction ligatures

## HOUSING IN THE WINGS

*integrated in the bracket profile for easy placement of *Slide™*\* ligatures*



- **MIM® TECHNOLOGY**  
*with the use of biomedical grade stainless steel*



- **CERAMICS**  
*translucent and polycrystalline*



- **MICRO-FILLED COPOLYMER**



**80-mesh pad**  
*ensures ideal retention with any adhesive available; FDI identification<sup>(patented)</sup>*



**pad with grooved mechanical retention**



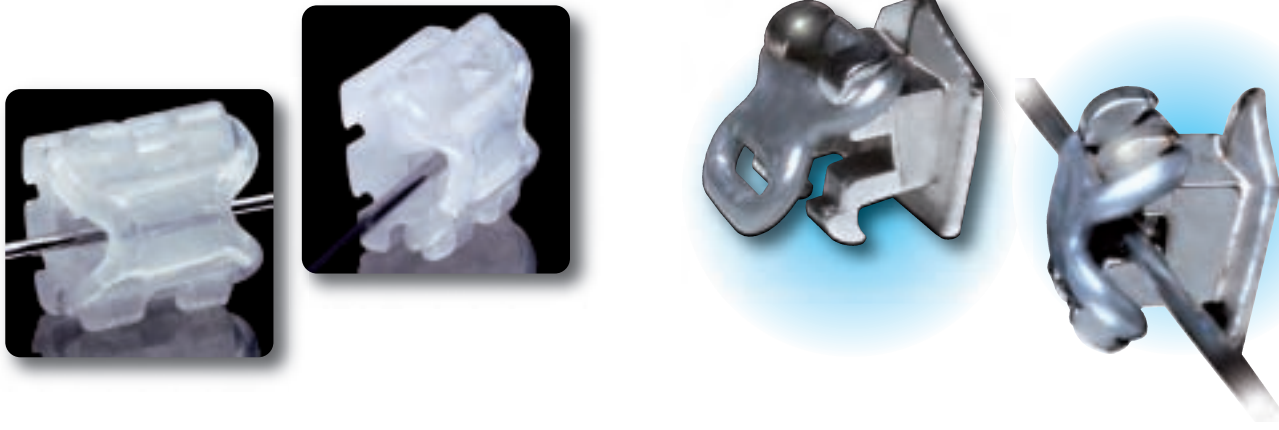
**micro-cell pad design**  
*highly retentive*

\* patented

# D.B. brackets **Logic Line™**

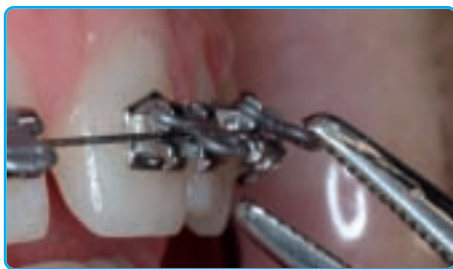


When used with the **Logic Line™** brackets, **Slide™\*** ligatures are kept safely in place and **integrated in the bracket profile due to the housing in the bracket labial side.**



Logic  
Line™

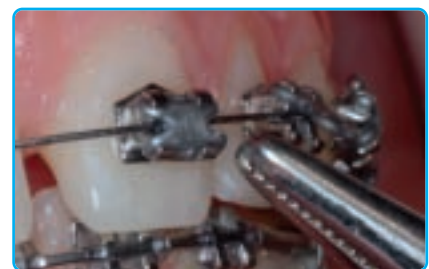
The **Slide™\*** low friction ligatures can be easily applied to the new **Logic Line™** brackets using a simple, two-stage procedure:



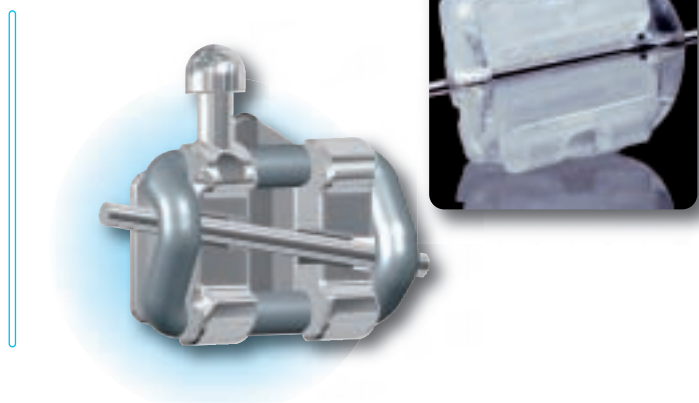
**1** Apply **Slide™\*** ligature in the open position and arch wire inside the slot



**2** without the use of special instruments, close **Slide™\*** ligature down on the lower wings



The **Logic Line™** brackets, due to the large mesio-distal dimensions and the twin tie-wings, can be used with conventional ligatures, for maximum biomechanical control during the appropriate phases of therapy. Further options are available to the clinician seeking optimum anchorage and biomechanics. It is now possible to use low and high friction in selected areas of the arch, upper and lower, or independently.



\* patented

## References

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- Demicheli M, Migliorati MV, Baldoni C, Silvestrini Biavati A. Confronto tra differenti sistemi bracket/filo/legatura. Misurazione in vitro dell'attrito su un'intera arcata. Mondo Ortodontico 2006;4:273-289.
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- Fortini A, Lupoli M. SLIDE™: Low Friction System. The phenomenon of Low Friction Techniques: State of the Art. SIDO. Ed. Ariesdue s.r.l., 2006.
- Gandini P, Orsi L, Bertocchini C, Missironi S, Franchi L. In vitro frictional forces generated by three different ligation methods. Angle Orthod. 2008;78:917-921

# D.B. metal brackets **Logic Line™** STEP system



Leone's **STEP** system is a straight wire-type of technique developed by internationally-known orthodontists, Drs. A. Fortini and M. Lupoli.

Their clinical experience, combined with Leone's productive capability, made possible the development of a unique system that would be able to manage friction depending on the phase of treatment.

The clinician can now choose the most advantageous biomechanics simply by applying **Slide™\*** ligatures, in total freedom to choose where, in what direction and for how long to use light orthodontic forces that stimulate tooth movement, for example only in the upper arch, only in the anterior region.

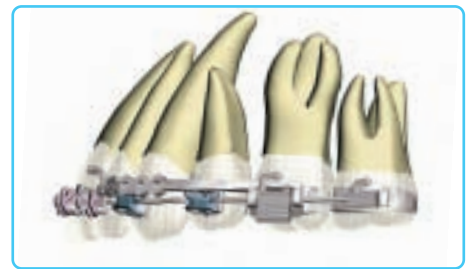
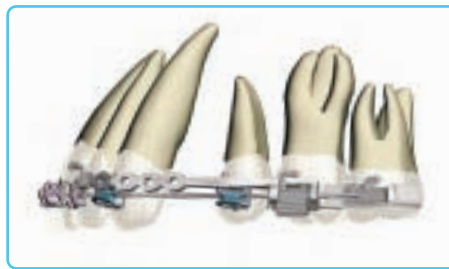
This will allow the orthodontist to benefit from advantages normally offered only by a self-ligating type of bracket system (like getting full three-dimensional control of forces, achieved by using normal 'O' rings), without the hassle of using complicated, bulky brackets that can be difficult to manage with success.

# STEP

system

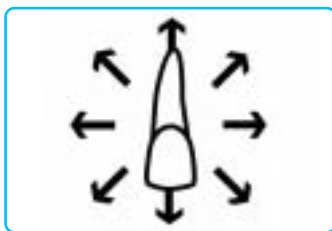
# Logic™

*Line*



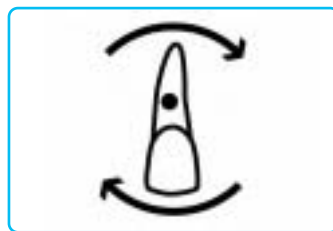
The Leone **STEP** prescription, derived from the MBT\*\* technique, employs a specific archwire sequence based on the amount of friction generated by the interaction of wire and bracket slot.

The selection of archwires includes:



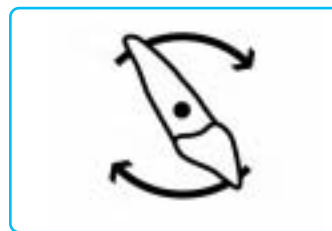
## **MEMORIA® Super-elastic Nickel-Titanium Archwires**

During alignment and levelling phases, these wires deliver only light orthodontic forces. To be used with **Slide™\*** low friction ligatures.



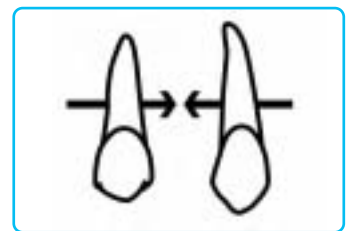
## **Australian Archwires**

Ideal to maintain what was achieved during the initial phase of treatment, while at the same time fully expressing Tip values. Can be used with both **Slide™\*** and conventional ligatures.



## **BETA-MEMORIA® alloy Archwires**

These are medium elasticity rectangular wires, used to gradually express three-dimensional control over teeth. To be used with conventional 'O' ring-type elastics.



## **STAINLESS STEEL Extra-Spring Hard Archwires.**

For ideal sliding mechanics, detailing and finishing of each case.

\*\*MBT is a registered 3M Unitek Trade Mark

\*patented

# D.B. metal brackets **Logic Line™** STEP system



## STEP SYSTEM

	torque	ang.		
				.022"x.030"
	+17°	+4°	$\frac{1}{1}$	F6122-11 F6122-21
	+9°	+8°	$\frac{2}{2}$	F6122-12 F6122-22
	-7°	+11°	$\frac{3}{3}$	F6112-13 F6112-23
	-7°	+11°	$\frac{3}{3}$	F6122-13 F6122-23
	-7°	+2°	$\frac{4}{4}$	F6112-14 F6112-24
	-7°	+2°	$\frac{4}{4}$	F6122-14 F6122-24
	-7°	+2°	$\frac{5}{5}$	F6112-15 F6112-25
	-7°	+2°	$\frac{5}{5}$	F6122-15 F6122-25
	-6°	0°	$\frac{1}{1}$	F6122-41 F6122-31
	-6°	0°	$\frac{2}{2}$	F6122-42 F6122-32
	-6°	+5°	$\frac{3}{3}$	F6112-43 F6112-33
	-6°	+5°	$\frac{3}{3}$	F6122-43 F6122-33
	-12°	+2°	$\frac{4}{4}$	F6112-44 F6112-34
	-12°	+2°	$\frac{4}{4}$	F6122-44 F6122-34
	-17°	+2°	$\frac{5}{5}$	F6112-45 F6112-35
	-17°	+2°	$\frac{5}{5}$	F6122-45 F6122-35

Brackets not available into kits

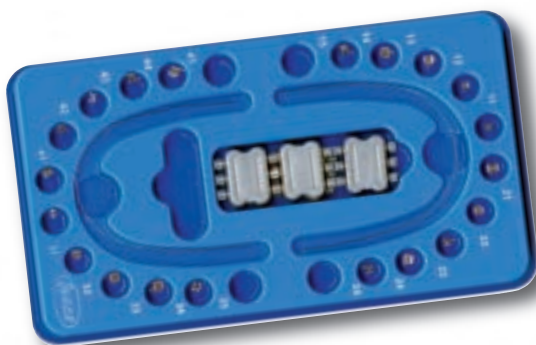


Courtesy of Drs A. Fortini and M. Lupoli



STEP SYSTEM Logic Line™			
	20 brackets - 1 case	200 brackets - 10 cases	
.022"	F6120-91		F6121-91
	500 brackets - 25 cases	1000 brackets - 50 cases	
.022"	F6123-91		F6125-91

Packs of 10



## F6120-81

### STEP & Slide™\* Logic Line™ starter kit

The kit contains all the components necessary to test **STEP Logic Line™** system in the initial alignment and levelling phases of treatment.

Kit content:

1 case (20 pcs) .022" **STEP Logic Line™** metal brackets, 1 **MEMORIA®** upper round archwire with "V" bend Ø .014", 1 **MEMORIA®** lower round archwire with "V" bend Ø .014", 4 **Slide™\*** ligature modules (24 pcs) medium silver, 2 **Slide™\*** ligature modules (12 pcs) small silver





\*patented



# MIM® tubes and arch wires recommended for technique STEP system



## MIM® Tubes

convertible	torque	rot.	round tube diam.	rect. tube slot		weldable tubes	WEB® band with tube
 6   6	-14°	+10°	.045" occl.	.022"	R L	<b>G8424-32</b> <b>G8424-33</b>	<b>E8920-00</b> <b>E8930-00</b>
 6   6	-20°	+8°		.022"	R L	<b>G8421-16</b> <b>G8421-17</b>	<b>E8960-00</b> <b>E8970-00</b>
 6   6	-20°	+8°	.045" ging.	.022"	R L	<b>G8424-16</b> <b>G8424-17</b>	on request
	torque	rot.	rect. tube slot			weldable tubes	D.B. tubes Extremo No-Nickel
 7   7	-14°	+8°	.022"	R L	<b>G8321-12</b> <b>G8321-13</b>	<b>F8621-32</b> <b>F8621-33</b>	
	-20°	+8°	.022"	R L	<b>G8321-16</b> <b>G8321-17</b>	<b>F8621-26</b> <b>F8621-27</b>	

Prewelded bands: packs of 5

Tubes: packs of 10



## Archwires

ALIGNMENT AND LEVELLING			
	∅ inch	upper	lower
<b>MEMORIA®</b> with "V" bend archwires	.014"	<b>C5910V14</b>	<b>C5950V14</b>
<b>MEMORIA®</b> with "V" bend archwires	.016"	<b>C5910V16</b>	<b>C5950V16</b>
Australian special plus	.016"	<b>C2010-16</b>	<b>C2050-16</b>
Australian special plus	.020"	<b>C2010-20</b>	<b>C2050-20</b>
SPACE CLOSURE			
	∅ inch	upper	lower
Beta <b>MEMORIA®</b>	.019"x.025"	<b>C7112-19</b>	<b>C7115-19</b>
Extra spring hard	.019"x.025"	<b>C3112-19</b>	<b>C3152-19</b>
Super hard heat-treated torque 20°	.019"x.025"	<b>C4112-19</b>	<b>C4152-19</b>

Packs of 10



## K6461-00

### Tie-back

For the application of elastic tractions on treatments with **STEP** technique. Easy insertion on molar tube. The four anterior holes allow a perfect dosage of force on the archwire hook.

Packs of 10



## G9019-25

### Crimpable closed hooks

On treatments with **STEP** technique it is used for the application of intra and extraoral forces on .019"x.025" archwires in extra spring hard and super hard heat-treated stainless steel. Crimp it with a large cutter or P1911-00 plier.

Packs of 10





# one patient kit **Logic Line™ STEP** system



## F6100-02

### One patient kit Logic Line™ STEP system

It contains all the material necessary for one treatment with **STEP** system **Logic Line™** prescription. The package is endowed with a pocket that allows the filing of the radiographies and the documents of the patient.

#### Kit content:

- 1 case (20pcs) .022" **STEP** system **Logic Line™** metal brackets
- 4 pcs D.B. Extremo No-Nickel tubes
- 4 pcs crimpable closed hooks
- 4 pcs tie back
- 1 kit (12 pcs) **STEP** system archwires
- 60 pcs **Slide™**\* ligatures medium silver
- 60 pcs **Slide™**\* ligatures small silver
- 100 pcs ligatures mini modules medium silver



## Ordering information

### Bracket kit Logic Line™ STEP system

**F6120-91** 1 case - 20 brackets

### D.B. Extremo tubes No-Nickel

Packs of 10

<b>UR</b>	<b>F8621-32</b>	<b>LR</b>	<b>F8621-26</b>
<b>UL</b>	<b>F8621-33</b>	<b>LL</b>	<b>F8621-27</b>

### Crimpable closed hooks

for arch .019"x.025"

**G9019-25** Pack of 10

### Archwire kit STEP system

**C6100-12** Pack of 12 (page 35)

Ordering of single archwires. Packs of 10

<b>1 SUP</b>	Memoria .014" with "V" bend	<b>C5910V14</b>
<b>1 INF</b>	Memoria .014" with "V" bend	<b>C5950V14</b>
<b>2 SUP</b>	Memoria .016" with "V" bend	<b>C5910V16</b>
<b>2 INF</b>	Memoria .016" with "V" bend	<b>C5950V16</b>
<b>3 SUP</b>	Australian Special Plus .016"	<b>C2010-16</b>
<b>3 INF</b>	Australian Special Plus .016"	<b>C2050-16</b>

### Tie-back

**K6461-00** Pack of 10

### Ligatures Slide™\* medium

**K6262-10**

Pack of 10 modules, 6 ligatures each

### Ligatures Slide™\* small

**K6261-10**

Pack of 10 modules, 6 ligatures each

### Ligatures mini modules medium

**K7362-13**

Pack of 20 modules, 10 ligatures each

<b>4 SUP</b>	Australian Special Plus .020"	<b>C2010-20</b>
<b>4 INF</b>	Australian Special plus .020"	<b>C2050-20</b>
<b>5 SUP</b>	Beta Memoria .019"x.025"	<b>C7112-19</b>
<b>5 INF</b>	Beta Memoria .019"x.025"	<b>C7115-19</b>
<b>6 SUP</b>	Extra spring hard steel .019"x.025"	<b>C3112-19</b>
<b>6 INF</b>	Extra spring hard steel .019"x.025"	<b>C3152-19</b>

\*patented

# D.B. metal brackets **Logic Line™** Roth system



## ROTH SYSTEM Logic Line™

	torque 	ang. 	 .022"x.030"				
BI <sup>3.6</sup>	+12°	+5°	<table border="1"><tr><td>1</td><td>F6221-11</td></tr><tr><td>1</td><td>F6221-21</td></tr></table>	1	F6221-11	1	F6221-21
1	F6221-11						
1	F6221-21						
BI <sup>3.2</sup>	+8°	+9°	<table border="1"><tr><td>2</td><td>F6221-12</td></tr><tr><td>2</td><td>F6221-22</td></tr></table>	2	F6221-12	2	F6221-22
2	F6221-12						
2	F6221-22						
BI <sup>3.3</sup>	-2°	+13°	<table border="1"><tr><td>3</td><td>F6212-13</td></tr><tr><td>3</td><td>F6212-23</td></tr></table>	3	F6212-13	3	F6212-23
3	F6212-13						
3	F6212-23						
BI <sup>3.1</sup>	-7°	0°	<table border="1"><tr><td>4</td><td>F6212-14</td></tr><tr><td>4</td><td>F6212-24</td></tr></table>	4	F6212-14	4	F6212-24
4	F6212-14						
4	F6212-24						
BI <sup>3.2</sup>	-7°	0°	<table border="1"><tr><td>5</td><td>F6212-15</td></tr><tr><td>5</td><td>F6212-25</td></tr></table>	5	F6212-15	5	F6212-25
5	F6212-15						
5	F6212-25						
BI <sup>3.3</sup>	0°		<table border="1"><tr><td>1</td><td>F6221-41</td></tr><tr><td>1</td><td>F6221-31</td></tr></table>	1	F6221-41	1	F6221-31
1	F6221-41						
1	F6221-31						
BI <sup>3.3</sup>	0°		<table border="1"><tr><td>2</td><td>F6221-42</td></tr><tr><td>2</td><td>F6221-32</td></tr></table>	2	F6221-42	2	F6221-32
2	F6221-42						
2	F6221-32						
BI <sup>3.3</sup>	-11°	+7°	<table border="1"><tr><td>3</td><td>F6212-43</td></tr><tr><td>3</td><td>F6212-33</td></tr></table>	3	F6212-43	3	F6212-33
3	F6212-43						
3	F6212-33						
BI <sup>3.1</sup>	-17°	0°	<table border="1"><tr><td>4</td><td>F6212-44</td></tr><tr><td>4</td><td>F6212-34</td></tr></table>	4	F6212-44	4	F6212-34
4	F6212-44						
4	F6212-34						
BI <sup>3.1</sup>	-22°	0°	<table border="1"><tr><td>5</td><td>F6212-45</td></tr><tr><td>5</td><td>F6212-35</td></tr></table>	5	F6212-45	5	F6212-35
5	F6212-45						
5	F6212-35						

Packs of 10



ROTH SYSTEM Logic Line™		
	20 brackets - 1 case	200 brackets - 10 cases
.022"	F6220-91	F6221-91
	500 brackets 25 cases	1000 brackets 50 cases
.022"	F6223-91	F6225-91

## Z0110-17

### Empty tray for bracket storage

It holds up to 2 through 50 cases or more.  
With clear plastic cover to protect brackets.  
References for positioning of brackets are clearly indicated.

Pack of 1



## Z0100-01

### Empty kit box for bracket and band storage

Made of ABS plastic resin. To hold up trays for Leone brackets and bands. With clear plastic cover. Stackable.

Pack of 1



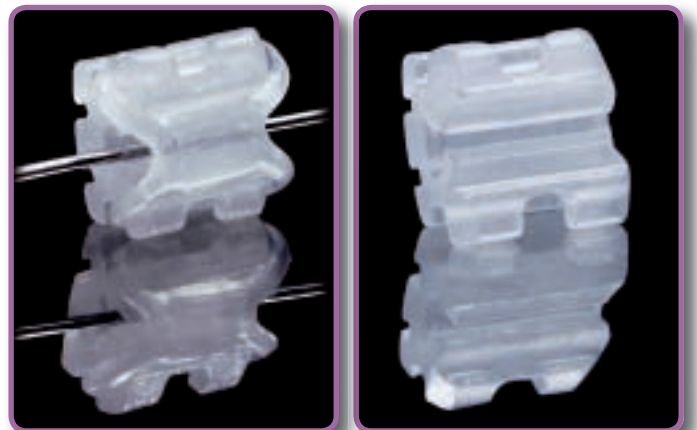


Logic  
Line™

*Elegance*  
and  
*aesthetics*  
in orthodontics

Logic™  
Line

Pure aesthetics and  
logic management of friction



# D.B. aesthetic brackets **Logic Line™**



Speed of treatment, aesthetical result and comfort are the ideal requirements for cosmetic orthodontics.

The special features of the **Logic Line™ aesthetic** brackets, combined with the Low Friction **Slide™\*** ligatures, fully comply with these requirements. The **Logic Line™ aesthetic** brackets are available in one range made of **micro-filled copolymer**: a clear coloration assuring a complete aesthetic look on every tooth shade, with high mechanical properties, and biocompatibility, without being subject to staining by oral liquids; one range of brackets in **ceramics** manufactured with a specific sintering process to achieve the maximum purity of the alumina and a polycrystalline structure with an average uniform grain.

The result is a translucent bracket with a superior mechanical resistance thus assuring a naturally aesthetic look to match every tooth shade.

**Available in the Step and Roth prescriptions.**

# Logic™ Line

**Pure aesthetics and  
logic management of friction**

## ● MICRO-FILLED COPOLYMER

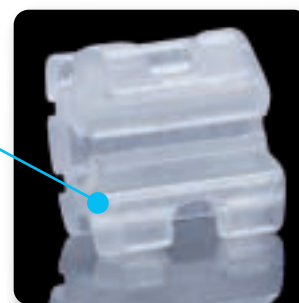
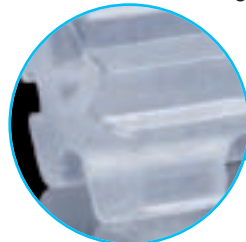
*making the bracket mimetic  
with any tooth colour shade*

## ● CERAMICS

*translucence and resistance  
smooth edges, low profile,  
superior in comfort*



**housing in the wings**  
*integrated in the bracket  
profile for easy placement  
of Slide™\* ligatures*



**micro-cell pad design**  
*the special design ensures  
a wider contact area with  
the adhesive for a better  
clinical efficiency*



**base with special  
mechanic retention**  
*no specific primers  
are required*

# D.B. aesthetic brackets **Logic Line™** STEP system



Courtesy of Dr A. Fortini

## D.B. brackets Logic Line™ STEP system in micro-filled copolymer

Just brush a thin coat of Primer F3107-00 on the base to get a perfect bond retention between the adhesive and the bracket base: bond with the usual adhesive immediately afterwards.

Packs of 10



### STEP SYSTEM Logic Line™ in copolymer

			torque 	ang. 	 .022"x.030"	
		3.6	+17°	+4°	1	F5421-22 F5421-23
					1	
		3	+9°	+8°	2	F5422-22 F5422-23
					2	
		3.3	-7°	+11°	3	F5413-22 F5413-23
					3	
		3.3	-7°	+2°	4	F5419-02 F5419-03
					4	
		3.3	-7°	+2°	5	F5419-02 F5419-03
					5	
		2.8	-6°	0°	1	F5420-06 F5420-07
					1	
		2.8	-6°	0°	2	F5420-06 F5420-07
					2	
		3.3	-6°	+5°	3	F5413-26 F5413-27
					3	
		3.3	-12°	+2°	4	F5414-06 F5414-07
					4	
		3.3	-17°	+2°	5	F5415-06 F5415-07
					5	

STEP SYSTEM Logic Line™		
	20 brackets - 1 case	200 brackets - 10 cases
.022"	F5410-92	F5411-92

## F5410-81 STEP & Slide™\* Logic Line™ starter kit

The kit contains all the components necessary to test **STEP Logic Line™** system in the initial alignment and levelling phases of treatment.

Kit content:

1 case (20 pcs) .022" **STEP Logic Line™** copolymer brackets, 1 **MEMORIA®** upper round archwire with "V" bend Ø .014", 1 **MEMORIA®** lower round archwire with "V" bend Ø .014", 4 **Slide™\*** **AQUA™** ligature modules (24 pcs) medium, 2 **Slide™\*** **AQUA™** ligature modules (12 pcs) small, 4 pcs D.B. aesthetic tubes



\*patented



## D.B. aesthetic tubes without hook

Packs of 10

		torque	rot.	slot		
7	6   6   7	-14°	+8°	.022"	R	F8721-02 F8721-03
					L	
7	6   6   7	-20°	+8°		R	F8721-06 F8721-07
					L	

# D.B. aesthetic brackets **Logic Line™ STEP** system



Courtesy of Dr A. Fortini

## D.B. brackets **Logic Line™ STEP** system in ceramics

Manufactured with a sintering process to achieve the purest alumina and a polycrystalline structure with an average uniform grain. The result is a bracket combining the best translucence with a superior mechanical resistance thus assuring a naturally aesthetic look to match every tooth shade.

Packs of 1



### STEP SYSTEM **Logic Line™** in ceramics

			torque 	ang. 	 .022"x.030"	
			+17°	+4°	1	<b>F5921-02</b>
					1	<b>F5921-03</b>
			+9°	+8°	2	<b>F5922-02</b>
					2	<b>F5922-03</b>
			-7°	+11°	3	<b>F5913-02</b>
					3	<b>F5913-03</b>
			-7°	+2°	4	<b>F5919-02</b>
					4	<b>F5919-03</b>
			-7°	+2°	5	<b>F5919-02</b>
					5	<b>F5919-03</b>
			-6°	0°	1	<b>F5920-06</b>
					1	<b>F5920-07</b>
			-6°	0°	2	<b>F5920-06</b>
					2	<b>F5920-07</b>
			-6°	+5°	3	<b>F5913-06</b>
					3	<b>F5913-07</b>
			-12°	+2°	4	<b>F5914-06</b>
					4	<b>F5914-07</b>
			-17°	+2°	5	<b>F5915-06</b>
					5	<b>F5915-07</b>

### STEP SYSTEM **Logic Line™**

	6 brackets 3 2 1   1 2 3	10 brackets 5 4 3 2 1   1 2 3 4 5
.022"	<b>F5906-20</b>	<b>F5910-20</b>
	12 brackets 3 2 1   1 2 3 3 2 1   1 2 3	20 brackets 5 4 3 2 1   1 2 3 4 5 5 4 3 2 1   1 2 3 4 5
.022"	<b>F5912-20</b>	<b>F5920-20</b>

## F5920-81 **STEP & Slide™\*** **Logic Line™** starter kit

The starter kit features all the components needed to test the efficiency of the new **STEP Logic Line™** system in the initial alignment and levelling stages of treatment.

Composition of the kit:

1 case (20 pcs) **Logic Line™ STEP** system ceramic brackets .022", 1 **MEMORIA®** archwire "V" bend round Ø .014" upper, 1 **MEMORIA®** archwire "V" bend round Ø .014" lower, 4 modules (24 pcs) **Slide™\*** **AQUA™** ligatures medium, 2 modules (12 pcs) **Slide™\*** **AQUA™** ligatures small, 4 tubes D.B. **Extremo** no-nichel



\* patented



## D.B. tubes **EXTREMO** No-Nickel

Packs of 10

				torque	rot.	slot		
7 6   6 7				-14°	+8°	.022"	R	<b>F8621-32</b>
							L	<b>F8621-33</b>
7 6   6 7				-20°	+8°		R	<b>F8621-26</b>
							L	<b>F8621-27</b>

# D.B. aesthetic brackets **Logic Line™** Roth system



## D.B. brackets Logic Line™ Roth system in ceramics

Manufactured with a sintering process to achieve the purest alumina and a polycrystalline structure with an average uniform grain. The result is a bracket combining the best translucence with a superior mechanical resistance thus assuring a naturally aesthetic look to match every tooth shade.

Packs of 1



**ROTH SYSTEM**  
**Logic Line™**  
in ceramics

			torque	ang.		
			.022"x.030"			
			+12°	+5°	1	<b>F5921-12</b>
					1	<b>F5921-13</b>
			+8°	+9°	2	<b>F5922-12</b>
					2	<b>F5922-13</b>
			-2°	+13°	3	<b>F5913-12</b>
					3	<b>F5913-13</b>
			-7°	0°	4	<b>F5919-12</b>
					4	<b>F5919-13</b>
			-7°	0°	5	<b>F5919-12</b>
					5	<b>F5919-13</b>
			0°		1	<b>F5920-05</b>
					1	<b>F5920-05</b>
			0°		2	<b>F5920-05</b>
					2	<b>F5920-05</b>
			-11°	+7°	3	<b>F5913-16</b>
					3	<b>F5913-17</b>
			-17°	0°	4	<b>F5914-16</b>
					4	<b>F5914-17</b>
			-22°	0°	5	<b>F5915-16</b>
					5	<b>F5915-17</b>

ROTH SYSTEM Logic Line™		
	6 brackets 3 2 1   1 2 3	10 brackets 5 4 3 2 1   1 2 3 4 5
.022"	<b>F5906-21</b>	<b>F5910-21</b>
	12 brackets 3 2 1   1 2 3 3 2 1   1 2 3	20 brackets 5 4 3 2 1   1 2 3 4 5 5 4 3 2 1   1 2 3 4 5
.022"	<b>F5912-21</b>	<b>F5920-21</b>

## D.B. brackets Logic Line™ Roth system in micro-filled copolymer

Manufactured using a micro-filled copolymer, that makes the bracket mimetic with any tooth colour shade. Just brush a thin coat of Primer F3107-00 on the base to get a perfect bond retention between the adhesive and the bracket base: bond with usual adhesive immediately afterwards.

Packs of 10



**ROTH SYSTEM**  
**Logic Line™**  
in copolymer

			torque	ang.		
			.022"x.030"			
			+12°	+5°	1	<b>F5421-32</b>
					1	<b>F5421-33</b>
			+8°	+9°	2	<b>F5422-32</b>
					2	<b>F5422-33</b>
			-2°	+13°	3	<b>F5413-32</b>
					3	<b>F5413-33</b>
			-7°	0°	4	<b>F5419-12</b>
					4	<b>F5419-13</b>
			-7°	0°	5	<b>F5419-12</b>
					5	<b>F5419-13</b>
			0°		1	<b>F5420-05</b>
					1	<b>F5420-05</b>
			0°		2	<b>F5420-05</b>
					2	<b>F5420-05</b>
			-11°	+7°	3	<b>F5413-36</b>
					3	<b>F5413-37</b>
			-17°	0°	4	<b>F5414-16</b>
					4	<b>F5414-17</b>
			-22°	0°	5	<b>F5415-16</b>
					5	<b>F5415-17</b>

ROTH SYSTEM Logic Line™		
	20 brackets - 1 case	200 brackets - 10 cases
.022"	<b>F5410-94</b>	<b>F5411-94</b>

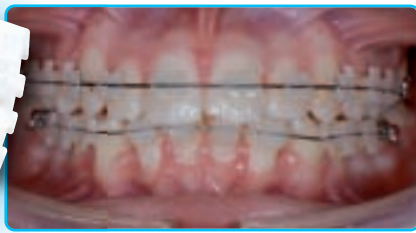


# D.B. aesthetic brackets



During the last few years the increasing demand for aesthetic brackets made it necessary to set new construction technologies with the use of new materials. As always sensitive to the demands of the professionals, Leone is introducing a complete range of aesthetic brackets made of ceramics, fiber glass and siliceous copolymer.

## Ceramics

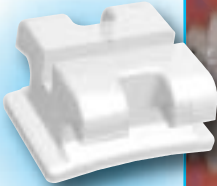


*Courtesy of Dr. R. Sacerdoti*

**AQUA™** ceramic brackets are manufactured with a sintering process to achieve the purest alumina and a polycrystalline structure with an average uniform grain. The result is a bracket combining the best translucence with a superior mechanical resistance thus assuring a naturally aesthetic look to match every tooth shade.

**AQUA™** brackets are free of any metal slot and totally anti-allergenic. No specific primers are required since the base has got a new design providing a special mechanical retention, thus allowing the use of any orthodontic adhesive available. Polished surface, smooth edges and low profile design make the **AQUA™** ceramic brackets superior in comfort.

## Fiber glass



Fiber glass brackets, available in the most common prescriptions: Andrews, Edgewise, Ricketts and Roth, are injection moulded with smooth surfaces and rounded edges.

The slot size is precise and allows for ease of arch wire sliding. Deep under tie-wing area keeps any ligation in position.

## Siliceous copolymer



**NATURA®** brackets in siliceous copolymer are manufactured to meet any aesthetic demand and to enhance a perfect clinical performance. They are made of a special translucent siliceous copolymer, enamel-like with high mechanical and hardness properties, biocompatible and resistant to oral liquids. Diagonal round angulation, torque-in-base, archwire low friction and reduced dimension optimize biomechanics thus reducing treatment time.

### The identification of Leone aesthetic brackets is easy



A colour dot identifies the disto-gingival edge on aesthetic brackets preadjusted with torque and angulation values.  
Caution! The colour dot must be always disto-gingival positioned.



On standard aesthetic brackets a colour dot is positioned centrally.  
Caution! The colour dot must be always disto-gingival positioned.



# D.B. aesthetic brackets



## AQUA™ D.B. ceramic brackets

Packs of 1



Courtesy of Dr. R. Sacerdoti

### AQUA™ ROTH SYSTEM

	torque 	ang. 	.018"x.030"		.022"x.030"	
	+12°	+5°	<u>1</u>	<b>F5781-02</b>	<b>F5721-02</b>	<u>1</u>
			<b>F5781-03</b>	<b>F5721-03</b>		
	+8°	+9°	<u>2</u>	<b>F5782-02</b>	<b>F5722-02</b>	<u>2</u>
			<b>F5782-03</b>	<b>F5722-03</b>		
	-2°	+13°	<u>3</u>	<b>F5773-02</b>	<b>F5713-02</b>	<u>3</u>
			<b>F5773-03</b>	<b>F5713-03</b>		
	-7°	0°	<u>4</u>	<b>F5779-02</b>	<b>F5719-02</b>	<u>4</u>
			<b>F5779-03</b>	<b>F5719-03</b>		
	-7°	0°	<u>5</u>	<b>F5779-02</b>	<b>F5719-02</b>	<u>5</u>
			<b>F5779-03</b>	<b>F5719-03</b>		
	0°	0°	<u>1</u>	<b>F5780-05</b>	<b>F5720-05</b>	<u>1</u>
			<b>F5780-05</b>	<b>F5720-05</b>		
	-11°	+7°	<u>3</u>	<b>F5773-06</b>	<b>F5713-06</b>	<u>3</u>
			<b>F5773-07</b>	<b>F5713-07</b>		
	-17°	0°	<u>4</u>	<b>F5774-06</b>	<b>F5714-06</b>	<u>4</u>
			<b>F5774-07</b>	<b>F5714-07</b>		
	-22°	0°	<u>5</u>	<b>F5775-06</b>	<b>F5715-06</b>	<u>5</u>
			<b>F5775-07</b>	<b>F5715-07</b>		

### AQUA™ RICKETTS SYSTEM

	torque 	ang. 	.018"x.030"	
	+22°	0°	<u>1</u>	<b>F5881-02</b>
			<b>F5881-03</b>	
	+14°	+8°	<u>2</u>	<b>F5882-02</b>
			<b>F5882-03</b>	
	+7°	+5°	<u>3</u>	<b>F5883-02</b>
			<b>F5883-03</b>	
	0°	0°	<u>4</u>	<b>F5889-02</b>
			<b>F5889-03</b>	
	0°	0°	<u>5</u>	<b>F5889-02</b>
			<b>F5889-03</b>	
	0°	0°	<u>1</u>	<b>F5780-05</b>
			<b>F5780-05</b>	
	+7°	+5°	<u>3</u>	<b>F5883-06</b>
			<b>F5883-07</b>	
	0°	0°	<u>4</u>	<b>F5884-06</b>
			<b>F5884-07</b>	
	-15°	0°	<u>5</u>	<b>F5885-06</b>
			<b>F5885-07</b>	

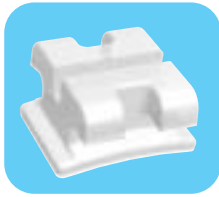
### AQUA™ ROTH SYSTEM

	6 brackets	10 brackets	12 brackets	20 brackets
	<u>3 2 1</u>  123	<u>5 4 3 2 1</u>  12345	<u>3 2 1</u>  123 <u>3 2 1</u>  123	<u>5 4 3 2 1</u>  12345 <u>5 4 3 2 1</u>  12345
.018"	<b>F5706-80</b>	<b>F5710-80</b>	<b>F5712-80</b>	<b>F5720-80</b>
.022"	<b>F5706-20</b>	<b>F5710-20</b>	<b>F5712-20</b>	<b>F5720-20</b>

### AQUA™ RICKETTS SYSTEM

	6 brackets	10 brackets	12 brackets	20 brackets
	<u>3 2 1</u>  123	<u>5 4 3 2 1</u>  12345	<u>3 2 1</u>  123 <u>3 2 1</u>  123	<u>5 4 3 2 1</u>  12345 <u>5 4 3 2 1</u>  12345
.018"	<b>F5806-80</b>	<b>F5810-80</b>	<b>F5812-80</b>	<b>F5820-80</b>

# D.B. aesthetic brackets



## D.B. fiber glass brackets

It is sufficient to brush a thin coat of Primer F3107-00 on the base to get a perfect bond retention between the adhesive and the bracket base: bond with usual adhesive immediately afterwards.

Packs of 10



### EDGEWISE STANDARD SYSTEM

			torque	ang.		
					.018"x.030"	.022"x.030"
			0°	$\frac{1}{1}$	F5080-01	F5020-01
			0°	$\frac{2}{2}$	F5080-01	F5020-01
			0°	$\frac{3}{3}$	F5088-04	F5028-04
			0°	$\frac{3}{3}$	F5078-04	F5018-04
			0°	$\frac{4}{4}$	F5088-04	F5028-04
			0°	$\frac{5}{5}$	F5088-04	F5028-04

### ANDREWS SYSTEM

			torque	ang.			
					.018"x.030"	.022"x.030"	
			+7°	+5°	$\frac{1}{1}$	F5481-12 F5481-13	F5421-02 F5421-03
			+3°	+9°	$\frac{2}{2}$	F5482-12 F5482-13	F5422-02 F5422-03
			-7°	+11°	$\frac{3}{3}$	F5483-12 F5483-13	F5423-02 F5423-03
			-7°	+11°	$\frac{3}{3}$	F5473-12 F5473-13	F5413-02 F5413-03
			-7°	0°	$\frac{4}{4}$	F5489-12 F5489-13	F5429-02 F5429-03
			-7°	0°	$\frac{5}{5}$	F5489-12 F5489-13	F5429-02 F5429-03

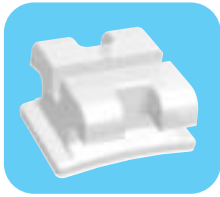


EDGEWISE STANDARD SYSTEM								
	20 brackets - 1 case		200 brackets - 10 cases		500 brackets - 25 cases		1000 brackets - 50 cases	
		with hook		with hook				
.018"	F5080-93	F5070-93	F5081-93	F5071-93	F5083-93		F5085-93	
.022"	F5020-93	F5010-93	F5021-93	F5011-93	F5023-93		F5025-93	

ANDREWS SYSTEM								
	20 brackets - 1 case		200 brackets - 10 cases		500 brackets - 25 cases		1000 brackets - 50 cases	
		with hook		with hook				
.018"	F5480-91	F5470-91	F5481-91	F5471-91	F5483-91		F5485-91	
.022"	F5420-91	F5410-91	F5421-91	F5411-91	F5423-91		F5425-91	

# D.B. aesthetic brackets



## D.B. fiber glass brackets

It is sufficient to brush a thin coat of Primer F3107-00 on the base to get a perfect bond retention between the adhesive and the bracket base: bond with usual adhesive immediately afterwards.

Packs of 10



### ROTH SYSTEM

	torque	ang.	.018"x.030"		.022"x.030"	
	+12°	+5°	$\frac{1}{1}$	F5481-22 F5481-23	F5421-12 F5421-13	
	+8°	+9°	$\frac{2}{2}$	F5482-22 F5482-23	F5422-12 F5422-13	
	-2°	+13°	$\frac{3}{3}$	F5483-22 F5483-23	F5423-12 F5423-13	
	-2°	+13°	$\frac{3}{3}$	F5473-22 F5473-23	F5413-12 F5413-13	
	-7°	0°	$\frac{4}{4}$	F5489-12 F5489-13	F5429-02 F5429-03	
	-7°	0°	$\frac{5}{5}$	F5489-12 F5489-13	F5429-02 F5429-03	
	0°		$\frac{1}{1}$	F5080-15	F5020-15	
	0°		$\frac{2}{2}$	F5080-15	F5020-15	
	-11°	+7°	$\frac{3}{3}$	F5483-26 F5483-27	F5423-16 F5423-17	
	-11°	+7°	$\frac{3}{3}$	F5473-26 F5473-27	F5413-16 F5413-17	
	-20°	0°	$\frac{4}{4}$	F5489-16 F5489-17	F5429-06 F5429-07	
	-20°	0°	$\frac{5}{5}$	F5489-16 F5489-17	F5429-06 F5429-07	

### RICKETTS SYSTEM

	torque	ang.	.018"x.030"	
	+22°	0°	$\frac{1}{1}$	F5481-02 F5481-03
	+14°	+8°	$\frac{2}{2}$	F5482-02 F5482-03
	+7°	+5°	$\frac{3}{3}$	F5483-02 F5483-03
	+7°	+5°	$\frac{3}{3}$	F5473-02 F5473-03
	0°		$\frac{4}{4}$	F5089-02 F5089-03
	0°		$\frac{5}{5}$	F5089-02 F5089-03
	0°		$\frac{1}{1}$	F5080-15
	0°		$\frac{2}{2}$	F5080-15
	+7°	+5°	$\frac{3}{3}$	F5483-06 F5483-07
	+7°	+5°	$\frac{3}{3}$	F5473-06 F5473-07
	0°		$\frac{4}{4}$	F5084-06 F5084-07
	-15°	0°	$\frac{5}{5}$	F5485-06 F5485-07

ROTH SYSTEM								
	20 brackets - 1 case		200 brackets - 10 cases		500 brackets - 25 cases		1000 brackets - 50 cases	
		with hook		with hook				
.018"	F5480-92	F5470-93	F5481-92	F5471-93				
.022"	F5420-92	F5410-93	F5421-92	F5411-93				
RICKETTS SYSTEM								
.018"	F5480-94	F5470-94	F5481-94	F5471-94	F5483-94		F5485-94	



# D.B. aesthetic brackets



## D.B. NATURA® brackets in siliceous copolymer

It is sufficient to brush a thin coat of Primer F3107-00 on the base to get a perfect bond retention between the adhesive and the bracket base: bond with usual adhesive immediately afterwards.

Packs of 10

### NATURA® EDGEWISE SYSTEM

	torque 	ang. 	 .018"x.030" .022"x.030"	
	0°	$\frac{1}{1}$	F5381-01	F5321-01
	0°	$\frac{2}{2}$	F5382-01	F5322-01
	0°	$\frac{3}{3}$	F5388-04	F5328-04
	0°	$\frac{3}{3}$	F5378-04	F5318-04
	0°	$\frac{4}{4}$	F5388-04	F5328-04
	0°	$\frac{4}{4}$	F5378-04	F5318-04
	0°	$\frac{5}{5}$	F5388-04	F5328-04
	0°	$\frac{5}{5}$	F5378-04	F5318-04
	0°	$\frac{1}{1}$	F5180-05	F5120-05
	0°	$\frac{2}{2}$	F5180-05	F5120-05
	0°	$\frac{3}{3}$	F5388-04	F5328-04
	0°	$\frac{3}{3}$	F5378-04	F5318-04
	0°	$\frac{4}{4}$	F5388-04	F5328-04
	0°	$\frac{4}{4}$	F5378-04	F5318-04
	0°	$\frac{5}{5}$	F5388-04	F5328-04
	0°	$\frac{5}{5}$	F5378-04	F5318-04



### NATURA® RICKETTS SYSTEM

	torque 	ang. 	 .018"x.030"	
	+22°	0°	$\frac{1}{1}$	F5281-02 F5281-03
	+14°	+8°	$\frac{2}{2}$	F5282-02 F5282-03
	+7°	+5°	$\frac{3}{3}$	F5273-02 F5273-03
	0°		$\frac{4}{4}$	F5279-02 F5279-03
	0°		$\frac{5}{5}$	F5279-02 F5279-03
	0°		$\frac{1}{1}$	F5180-05
	0°		$\frac{2}{2}$	F5180-05
	+7°	+5°	$\frac{3}{3}$	F5273-06 F5273-07
	0°		$\frac{4}{4}$	F5274-06 F5274-07
	-15°	0°	$\frac{5}{5}$	F5275-06 F5275-07



### NATURA® EDGEWISE SYSTEM

	20 brackets - 1 case		200 brackets - 10 cases		500 brackets - 25 cases		1000 brackets - 50 cases	
		with hook		with hook		with hook		with hook
.018"	F5380-93	F5370-93	F5381-93	F5371-93	F5383-93	F5373-93	F5385-93	F5375-93
.022"	F5320-93	F5310-93	F5321-93	F5311-93	F5323-93	F5313-93	F5325-93	F5315-93

### NATURA® RICKETTS SYSTEM

.018"	F5270-91		F5271-91		F5273-91		F5275-91	
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# D.B. aesthetic brackets



## D.B. NATURA® brackets in siliceous copolymer

It is sufficient to brush a thin coat of Primer F3107-00 on the base to get a perfect bond retention between the adhesive and the bracket base: bond with usual adhesive immediately afterwards.

Packs of 10

### NATURA® ROTH SYSTEM

		torque 	ang. 			
				.018"x.030"	.022"x.030"	
		+12°	+5°	1	F5181-02	F5121-02
				1	F5181-03	F5121-03
		+8°	+9°	2	F5182-02	F5122-02
				2	F5182-03	F5122-03
		-2°	+13°	3	F5173-02	F5113-02
				3	F5173-03	F5113-03
		-7°	0°	4	F5179-02	F5119-02
				4	F5179-03	F5119-03
		-7°	0°	5	F5179-02	F5119-02
				5	F5179-03	F5119-03
		0°	0°	1	F5180-05	F5120-05
				1	F5180-05	F5120-05
		0°	0°	2	F5180-05	F5120-05
				2	F5180-05	F5120-05
		-11°	+7°	3	F5173-06	F5113-06
				3	F5173-07	F5113-07
		-17°	0°	4	F5174-06	F5114-06
				4	F5174-07	F5114-07
		-22°	0°	5	F5175-06	F5115-06
				5	F5175-07	F5115-07



NATURA® ROTH SYSTEM				
	20 brackets - 1 case		200 brackets - 10 cases	
.018"	F5170-91		F5171-91	
.022"	F5110-91		F5111-91	
	500 brackets - 25 cases		1000 brackets - 50 cases	
.018"	F5173-91		F5175-91	
.022"	F5113-91		F5115-91	

## Packages

All brackets are supplied exclusively in original Leone packages. The one-case kit boxes feature a sealed closure and when opened in the presence of the patient it is a sign of hygiene and cleanliness. The back label shows the description, the lot number and the symbols related to the product.




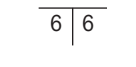
The 10-case and other larger kit boxes are made of ABS plastic resin. A large label applied on the cover clearly shows the information on the product: the code and lot number, the descriptions are brought on the front side of the insert as well since all the Leone inserts are stackable. The inserts are provided with a protection clear plastic cover for brackets and the references for positioning in the mouth are also clearly indicated.






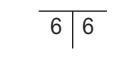
# recommended tubes for the treatment of molars Edgewise, Super Edgewise, Edgewise mini, Tweed system



## MIM® tubes






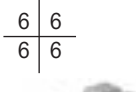

	torque 	rot. 	round tube diam.	rect. tube slot		weldable tubes	direct bonding tubes	molar band with tube			
								CALIBRA®		WEB®	
								pack of 10	pack of 5	pack of 10	pack of 5
	0°		.051" ging.	.018"	R	<b>G8085-02</b>	<b>F8085-22</b>	on request	on request	on request	on request
					L	<b>G8085-03</b>	<b>F8085-23</b>				
			.022"	R	<b>G8025-02</b>	<b>F8025-22</b>	<b>E1420-00</b>	<b>E1425-00</b>	on request	<b>E8420-00</b>	
				L	<b>G8025-03</b>	<b>F8025-23</b>	<b>E1430-00</b>	<b>E1435-00</b>		<b>E8430-00</b>	
	0°		.051" ging.	.018"	R	<b>G8085-03</b>	<b>F8085-23</b>	on request	on request	on request	on request
					L	<b>G8085-02</b>	<b>F8085-22</b>				
			.022"	R	<b>G8025-03</b>	<b>F8025-23</b>	<b>E1460-00</b>	<b>E1465-00</b>	on request	<b>E8460-00</b>	
				L	<b>G8025-02</b>	<b>F8025-22</b>	<b>E1470-00</b>	<b>E1475-00</b>		<b>E8470-00</b>	

## Convertible MIM® tubes

	torque 	rot. 	round tube diam.	rect. tube slot		weldable tubes	direct bonding tubes
	0°		.051" ging.	.018"	R	<b>G8185-02</b>	on request
					L	<b>G8185-03</b>	
			.022"	R	<b>G8125-02</b>	on request	
				L	<b>G8125-03</b>		
	0°		.051" ging.	.018"	R	<b>G8185-03</b>	on request
					L	<b>G8185-02</b>	
			.022"	R	<b>G8125-03</b>	on request	
				L	<b>G8125-02</b>		

Molar bands **CALIBRA®** or **WEB®** with prewelded convertible tube in packages of 5 or 10 on request

## Brackets

	torque 	rot. 	slot 		weldable tubes	direct bonding tubes
	0°		.018"	R	<b>G2086-14</b>	<b>F2086-14</b>
				L		
	0°		.022"	R	<b>G2026-14</b>	<b>F2026-14</b>
				L		
	0°		.018"	R	<b>G2080-44</b>	<b>F2081-01</b>
				L		
	0°		.022"	R	<b>G2020-44</b>	<b>F2021-01</b>
				L		

Molar bands **CALIBRA®** or **WEB®** with prewelded bracket in packages of 5 or 10 on request




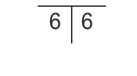
Packs of 10

Packs of 100 on request




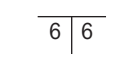
# recommended tubes for the treatment of molars Andrews, Roth, Boston, Alexander system



## MIM® tubes

	torque 	rot. 	round tube diam.	rect. tube slot		weldable tubes	direct bonding tubes	molar band with tube			
								CALIBRA®		WEB®	
								pack of 10	pack of 5	pack of 10	pack of 5
 6   6	-10°	+8°	.051" ging.	.018"	R	G8385-02	F8385-02	on request	on request	on request	on request
					L	G8385-03	F8385-03	on request	on request	on request	on request
				.022"	R	G8325-02	F8325-02	E1520-00	E1525-00	on request	E8520-00
					L	G8325-03	F8325-03	E1530-00	E1535-00	on request	E8530-00
 6   6	-25°	+8°	.051" ging.	.018"	R	G8385-06	F8385-06	on request	on request	on request	on request
					L	G8385-07	F8385-07	on request	on request	on request	on request
				.022"	R	G8325-06	F8325-06	E1560-00	E1565-00	on request	E8560-00
					L	G8325-07	F8325-07	E1570-00	E1575-00	on request	E8570-00

## Convertible MIM® tubes

	torque 	rot. 	round tube diam.	rect. tube slot		weldable tubes	direct bonding tubes								
								 6   6	-10°	+8°	.051" ging.	.018"	R	G8485-02	F8485-02
													L	G8485-03	F8485-03
.022"	R	G8425-02	F8425-02												
	L	G8425-03	F8425-03												
 6   6	-25°	+8°	.051" ging.	.018"	R	G8485-06	F8485-06								
					L	G8485-07	F8485-07								
				.022"	R	G8425-06	F8425-06								
					L	G8425-07	F8425-07								

Molar bands **CALIBRA®** or **WEB®** with prewelded convertible tube in packages of 5 or 10 on request

Packs of 10  
Packs of 100 on request

# recommended tubes for the treatment of molars Ricketts, Burstone system



## MIM® tubes

	torque 	rot. 	round tube diam.	rect. tube slot		weldable tubes	direct bonding tubes	molar band with tube			
								<b>CALIBRA®</b>		<b>WEB®</b>	
								pack of 10	pack of 5	pack of 10	pack of 5
 6   6	0°		.045" ging.	.018"	R	<b>G8084-12</b>	<b>F8084-12</b>	<b>E1820-00</b>	<b>E1825-00</b>	on request	<b>E8820-00</b>
					L	<b>G8084-13</b>	<b>F8084-13</b>	<b>E1830-00</b>	<b>E1835-00</b>		<b>E8830-00</b>
				.022"	R	<b>G8024-12</b>	<b>F8024-12</b>	on request	on request	on request	on request
					L	<b>G8024-13</b>	<b>F8024-13</b>				
 6   6	-10°	+8°	.045" ging.	.018"	R	<b>G8384-12</b>	<b>F8384-12</b>	<b>E1521-00</b>		on request	on request
					L	<b>G8384-13</b>	<b>F8384-13</b>	<b>E1531-00</b>			
				.022"	R	<b>G8324-12</b>	<b>F8324-12</b>	<b>E1522-00</b>		on request	on request
					L	<b>G8324-13</b>	<b>F8324-13</b>	<b>E1532-00</b>			on request
 6   6	0°			.018"	R	<b>G8070-16</b>	<b>F8570-02*</b>	<b>E1860-00</b>	<b>E1865-00</b>	on request	<b>E8860-00</b>
					L	<b>G8070-17</b>	<b>F8570-03*</b>	<b>E1870-00</b>	<b>E1875-00</b>		<b>E8870-00</b>
				.022"	R	<b>G8010-16</b>	<b>F8510-02*</b>	on request	on request	on request	on request
					L	<b>G8010-17</b>	<b>F8510-03*</b>				
 6   6	-25°	+8°		.018"	R	<b>G8070-06</b>	<b>F8070-06</b>	<b>E1561-00</b>		on request	on request
					L	<b>G8070-07</b>	<b>F8070-07</b>	<b>E1571-00</b>			
				.022"	R	<b>G8010-06</b>	<b>F8010-06</b>	<b>E1562-00</b>		on request	on request
					L	<b>G8010-07</b>	<b>F8010-07</b>	<b>E1572-00</b>			on request

\* Extremo No-Nickel

## Convertibles MIM® tubes

	torque 	rot. 	round tube diam.	rect. tube slot		weldable tubes	direct bonding tubes								
								 6   6	0°		.045" occl.	.018"	R	<b>G8184-22</b>	<b>F8184-22</b>
													L	<b>G8184-23</b>	<b>F8184-23</b>
.022"	R	<b>G8124-22</b>	<b>F8124-22</b>												
	L	<b>G8124-23</b>	<b>F8124-23</b>												
 6   6	-10°	+8°	.045" occl.	.018"	R	<b>G8484-22</b>	<b>F8484-22</b>								
					L	<b>G8484-23</b>	<b>F8484-23</b>								
				.022"	R	<b>G8424-22</b>	<b>F8424-22</b>								
					L	<b>G8424-23</b>	<b>F8424-23</b>								
 6   6	0°			.018"	R	<b>G8170-16</b>	<b>F8170-16</b>								
					L	<b>G8170-17</b>	<b>F8170-17</b>								
				.022"	R	<b>G8110-16</b>	<b>F8110-16</b>								
					L	<b>G8110-17</b>	<b>F8110-17</b>								
 6   6	-25°	+8°		.018"	R	<b>G8470-06</b>	<b>F8470-06</b>								
					L	<b>G8470-07</b>	<b>F8470-07</b>								
				.022"	R	<b>G8410-06</b>	<b>F8410-06</b>								
					L	<b>G8410-07</b>	<b>F8410-07</b>								

Molar bands **CALIBRA®** or **WEB®** with prewelded convertible tube in packages of 5 or 10 on request

Packs of 10  
Packs of 100 on request



# D.B. MIM® tubes

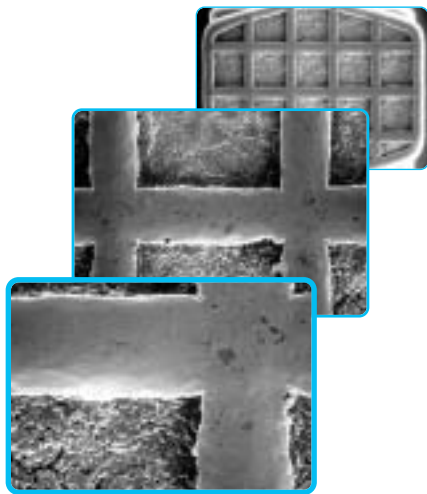


## D.B. tubes MIM®

			rect. tube torque	rect. tube rot.	round tube diam.		direct bonding tubes	
							rect. tube .018"x.025"	rect. tube .022"x.028"
	6   6	double	0°		.051" ging.	R L	<b>F8085-22</b>	<b>F8025-22</b>
	6   6						<b>F8085-23</b>	<b>F8025-23</b>
	6   6	double	-10°	+8°	.051" ging.	R L	<b>F8385-02</b> <b>F8385-03</b>	<b>F8325-02</b> <b>F8325-03</b>
	6   6	double	0°		.045" occl.	R L	<b>F8084-32</b>	<b>F8024-32</b>
	6   6						<b>F8084-33</b>	<b>F8024-33</b>
	6   6	double	-10°	+8°	.051" occl.	R L	<b>F8085-42</b> <b>F8085-43</b>	<b>F8025-42</b> <b>F8025-43</b>
	6   6	double	-10°	+8°	.045" occl.	R L	<b>F8384-32</b> <b>F8384-33</b>	<b>F8324-32</b> <b>F8324-33</b>
	6   6	double	-10°	+8°	.051" occl.	R L	<b>F8385-22</b>	<b>F8325-22</b>
	6   6						<b>F8385-23</b>	<b>F8325-23</b>
	6   6	triple	0°		.045" ging.	R L	<b>F8084-12</b>	<b>F8024-12</b>
	6   6						<b>F8084-13</b>	<b>F8024-13</b>
	6   6	triple	-10°	+8°	.045" ging.	R L	<b>F8384-12</b>	<b>F8324-12</b>
	6   6						<b>F8384-13</b>	<b>F8324-13</b>
	6   6	triple	0°		.045" occl.	R L	<b>F8084-22</b>	<b>F8024-22</b>
	6   6						<b>F8084-23</b>	<b>F8024-23</b>
	6   6	triple	-10°	+8°	.051" occl.	R L	<b>F8085-32</b>	<b>F8025-32</b>
	6   6						<b>F8085-33</b>	<b>F8025-33</b>
	6   6	triple	-10°	+8°	.045" occl.	R L	<b>F8384-22</b> <b>F8384-23</b>	<b>F8324-22</b> <b>F8324-23</b>
	6   6	triple	-10°	+8°	.051" occl.	R L	<b>F8385-12</b> <b>F8385-13</b>	<b>F8325-12</b> <b>F8325-13</b>
	6   6	rectangular double with ball hook	-25°	+8°		R	<b>F8070-06</b>	<b>F8010-06</b>
	6   6					L	<b>F8070-07</b>	<b>F8010-07</b>
	7   7	partially erupted	-15°	0°		R L	<b>F7980-01</b>	<b>F7920-01</b>

Packs of 10  
Packs of 100 on request

# D.B. MIM® tubes **EXTREMO** No-Nickel



## D.B. tubes **EXTREMO** No-Nickel

Single piece tubes manufactured with **MIM®** technology in a biocompatible alloy with **a very low nickel content (< 0,09%)**.

The Extremo No-Nickel base, anatomical with micro highly retentive cavities, perfectly fits the tooth and ensures an excellent bond with the use of any kind of adhesives.

Packs of 10

Packs of 100 on request

					torque	rot.	slot	direct bonding tubes		
	7 6   6 7					0°	.018"	R	<b>F8581-12</b>	
	7 6   6 7						L	<b>F8581-13</b>		
								.022"	R	<b>F8521-12</b>
									L	<b>F8521-13</b>
	7 6   6 7				-10°	+8°		.018"	R	<b>F8681-12</b>
								L	<b>F8681-13</b>	
							.022"	R	<b>F8621-22</b>	
								L	<b>F8621-23</b>	
7 6   6 7				-14°	+8°		.022"	R	<b>F8621-32</b>	
								L	<b>F8621-33</b>	
7 6   6 7				-20°	+8°		.022"	R	<b>F8621-26</b>	
								L	<b>F8621-27</b>	
7 6   6 7				-25°	+8°		.018"	R	<b>F8681-16</b>	
							L	<b>F8681-17</b>		
							.022"	R	<b>F8621-36</b>	
								L	<b>F8621-37</b>	
	6   6					0°	.018"	R	<b>F8570-02</b>	
	6   6							L	<b>F8570-03</b>	
	6   6					0°	.022"	R	<b>F8510-02</b>	
	6   6							L	<b>F8510-03</b>	

# D.B. MAXI mesh pad



**F2800-00**

## D.B. MAXI mesh pad

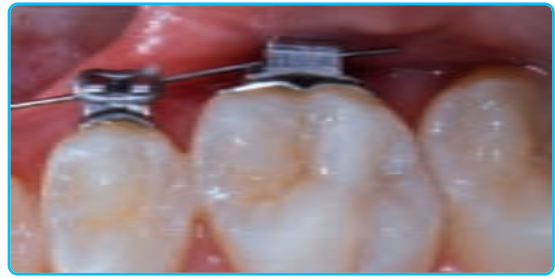
Packs of 10

Each Leone **MIM**® tube is available soldered on the anatomical direct bonding **MAXI** mesh pad. Made of biomedical stainless steel, the anatomical **MAXI** pad is combined with the mesh through a sintering process allowing a perfect joint, without any variation in dimensions and geometry or any reduction in the mechanical retention strength.

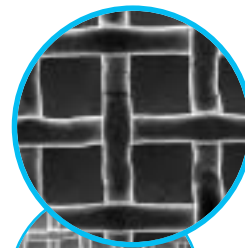
The selected tube is solder brazed on the mesh pad with a precious alloy under controlled atmosphere to obtain a perfect metal sealed joint and to avoid oxidation in the mouth.

These features maximize the bond strength and make this product as an alternative to orthodontic bands.

Hygiene and health of the soft tissues are improved, besides, the positioning of the tube will be more precise.

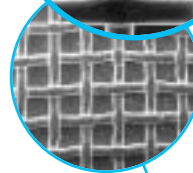


Courtesy of Dr. R. Sacerdoti



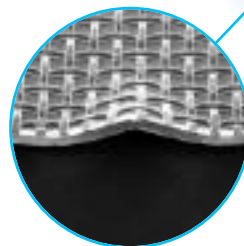
**80 gauge mesh**

*optimal with either self/light-cure, or variable density orthodontic adhesives*

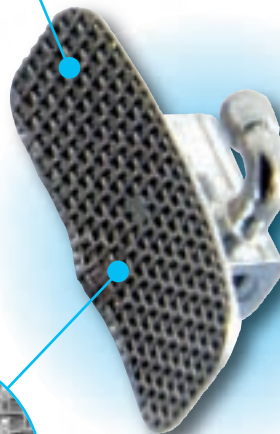


**bonding surface  
approx. 50% larger**

*than mesh pads currently used  
with direct bonding tubes*



**1<sup>st</sup> molar anatomical contoured**  
*with positioning "indent"*



When ordering for customized tubes soldered on the **MAXI** mesh pad **F2800-00**, the right code number of the tube and the solder position\* of the round tube shall be indicated (\*which however must combine with the prescriptions of the selected tube). Minimum quantity per order: packs of 10.

High quality free soldering service made with an industrial process.

**CAUTION: CUSTOMIZED PREWELDED MATERIAL IS NOT RETURNABLE FOR REPLACEMENT.**



Sshh..  
Sshh..

I have a secret..



..I am wearing an orthodontic device..

*guess what?*



Courtesy of Dr Fabio Giuntoli



- Smile cosmetic orthodontics for fast and invisible treatment of minor misplacements and lapses
- LowFriction 2D biomechanics to align and unravel anterior teeth in few weeks
- Small size brackets with reduced profile, used in combination with **Slide**™\* ligatures, ensure the best comfort for patient
- Practical and precise positioning with the specific transfer system
- Effective alternative to transparent aligners
- Minimal impact on speech
- No need for patient cooperation

ideal  
○ LIGHT LINGUAL SYSTEM



\*patented

# IDEA-L lingual brackets



**IDEA-L** lingual brackets feature small mesio-distal sizes and a profile of 1,4 mm with a special bracket design making the application of *Slide*<sup>™</sup>\* ligatures simple. In most cases the use of a round wire **MEMORIA**<sup>®</sup>.012" is sufficient to get the resolution of the overcrowding of the teeth and the aesthetical improvement of smile.

In cases where dental rotations and/or major misplacement cases are present, wires of higher diameter, like **MEMORIA**<sup>®</sup> or Beta **MEMORIA**<sup>®</sup>, and conventional ligatures may also be used to increase biomechanical control.

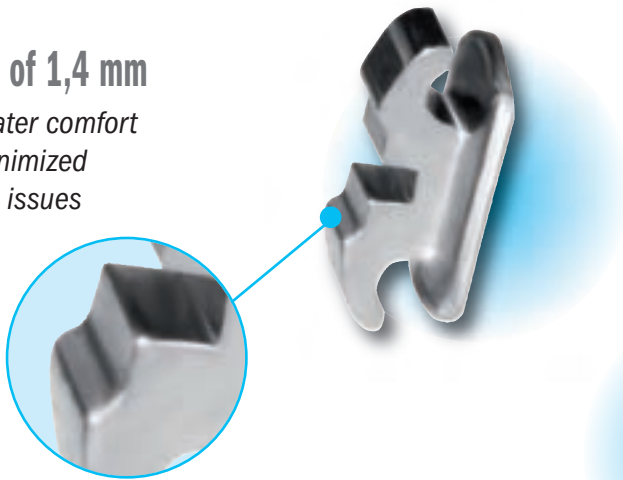
To get a perfect alignment and levelling of the frontal teeth, an accurate positioning of the bracket is necessary; it is therefore advisable to use an indirect bonding technique with arch transfer trays realized in the laboratory or with the special "jigs" conceived for this technique.

ideal  
○ LIGHT LINGUAL SYSTEM



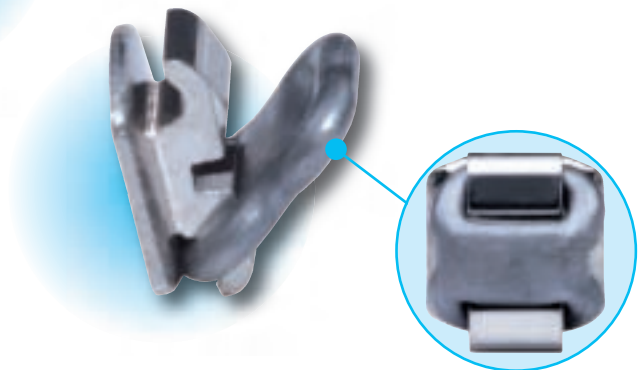
## profile of 1,4 mm

for greater comfort  
and minimized  
speech issues



## Slide<sup>™</sup>\* ligature

embodies the profile of the bracket,  
making it smooth and comfortable



## personalized design

makes the application of  
the *Slide*<sup>™</sup>\* ligature simple  
and keeps it in place during treatment

## Special plastic jigs



● Assemble jig on the bracket with the *Slide*<sup>™</sup>\* ligature hooked under the gingival wing



● Measure of the height of the selected jig on working cast and select correct size for the best bracket position



● Position in the mouth and polymerization of the adhesive



● Removal of the jig with a rotary movement



● Bracket with the *Slide*<sup>™</sup>\* ligature under the gingival wing



● Bracket with wire and the *Slide*<sup>™</sup>\* ligature in place

# IDEA-L lingual brackets



Courtesy of Dr F. Giuntoli

## IDEA-L SYSTEM

			torque	ang.		
			0°	0°	1	<b>F4980-04</b>
					2	
					3	
					4	
			0°	0°	1	<b>F4980-04</b>
					2	
					3	
					4	

Packs of 5



## F4980-91

### IDEA-L lingual bracket kit

Composition of the kit: 8 brackets (one arch) and 12 *Slide*™\* ligatures extra-small, silver colour.

## MEMORIA® and Beta MEMORIA® lingual archwires

Sections .012" and .014" are made of a special Nickel Titanium alloy allowing light adaptations necessary in case of treatment extension to first bicuspids, thus keeping high elasticity. Section .016" Beta **MEMORIA**® is ideal to optimize the alignment and levelling values.

The selector C4950-00 is available (page 36) to select the correct archwire shape.

Packs of 2

<b>MEMORIA® LINGUAL ARCHWIRES</b>			
inch	small	medium	large
.012	<b>C4950-12</b>	<b>C4951-12</b>	<b>C4952-12</b>
.014	<b>C4950-14</b>	<b>C4951-14</b>	<b>C4952-14</b>
<b>BETA MEMORIA® LINGUAL ARCHWIRES</b>			
.016	<b>C4970-16</b>	<b>C4971-16</b>	<b>C4972-16</b>



## F4900-60

### Kit of assorted jigs

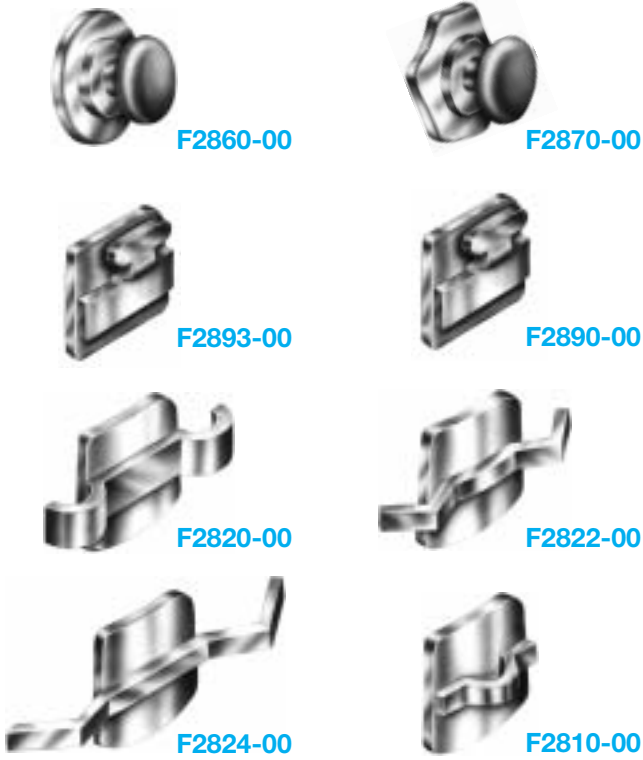
Six sizes for the selection of the proper position according to the anatomy of the lingual surface of the tooth.

Assorted pack of 120 pcs

## Jigs - Refill

<b>F4900-01</b>	size 1	<b>F4900-04</b>	size 4
<b>F4900-02</b>	size 2	<b>F4900-05</b>	size 5
<b>F4900-03</b>	size 3	<b>F4900-06</b>	size 6

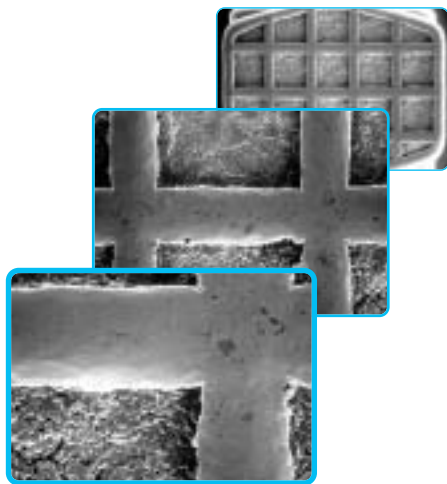




## D.B. lingual accessories

- F2860-00** Flat button
- F2870-00** Curved button
- F2893-00** Curved lug for elastics
- F2890-00** Flat lug for elastics
- F2820-00** Gull winged cleat
- F2822-00** Cleat low profile
- F2824-00** Low profile cleat for molar
- F2810-00** Eyelet

Packs of 10  
Packs of 100 on request



## D.B. buttons EXTREMO No-Nickel

Single piece buttons manufactured with **MIM**® technology in a biocompatible alloy with a **very low nickel content (< 0,09%)**.

The Extremo No-Nickel base, anatomical and with micro highly retentive cavities, perfectly fits the tooth and ensures an excellent bond with the use of any kind of adhesives.

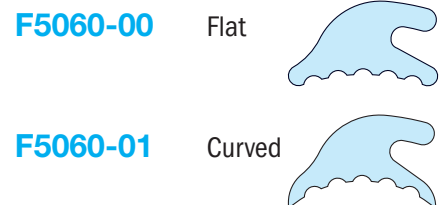
Packs of 10



## D.B. NATURA® hooks

Designed by Prof. Massimo Ronchin.  
Made of siliceous copolymer.

Packs of 10



# direct bonding technique



## F3140-01 No-mix orthodontic adhesive in syringes

No mix of components is required. It saves much valuable chairtime. The application is simple and fast. The dense etching gel avoids contact of the acid with soft tissues.

The position of the bracket on the tooth can be adjusted on by 20 seconds from application. A light archwire can be inserted 5 minutes after bonding of the last bracket. Advantages: hygiene, ease of dispensing and handling.

*Package includes:*  
adhesive in 3 syringes of 5 g each, 1 activator of 14 g, 1 etching gel of 9 g, 40 brushes, mixing pads and plastic spatulas



## F3107-00 Primer for D.B. aesthetic brackets

Necessary for bonding fiber glass, micro-filled copolymer and **Natura**® brackets to enamel with Leone orthodontic adhesive or any other type of adhesive.

Apply a thin layer on to the bracket base prior to usual bonding procedure.

*Pack of 8 g*



## Universal bonding mesh

**F2811-00** Thick thread  
**F2812-00** Large thread

*Packs of 1 strip, 10 cm long*

## Refills

Activator	<b>F3141-01</b>	14 g
Adhesive in syringes	<b>F3142-01</b>	3x5 g
Etching gel	<b>F3143-01</b>	9 g





## F3170-01 Light-cure orthodontic adhesive

It allows a precise placement of brackets with easy removal of excess material from bracket base without curing and giving the clinician a prolonged working time. Once bracket is in the right position, just put it under light for 30 seconds to obtain the complete curing process.

*Package includes:*

*4 preloaded syringes of 5 g each, 1 liquid primer of 7 g, 1 etching gel of 9 g, 40 disposable brushes, mixing pads and plastic spatulas*



## F3161-01 Etching gel

A 33% orthophosphoric acid gel filled into a convenient syringe of 12 g, provided with thin tip application sticks for ease of dispensing and dosage. Ideal for any type of bonding system. Its gelatinous solidity and the green colour prevent acid from spreading in unwanted areas.

*Package includes:*

*1 syringe and 25 disposable tips*



## F3110-01 Primer for bonding on ceramic crowns

Necessary for bonding metal brackets to ceramic prosthesis.

*Pack of 6 ml*

## Refills

Primer	<b>F3171-01</b>	7 g
4 syringes	<b>F3172-01</b>	4x5 g
Etching gel	<b>F3143-01</b>	9 g

# direct bonding retainers and accessories



**Upper retainer  
central to central**



mm		pkg.
4	<b>F3812-04</b>	10
6	<b>F3812-06</b>	
9	<b>F3812-09</b>	

**F3812-93  
Upper retainer  
central to central kit**

Assorted kit of 20



**Upper retainer  
lateral to lateral**



mm		pkg.
14	<b>F3822-14</b>	10
16	<b>F3822-16</b>	
18	<b>F3822-18</b>	
20	<b>F3822-20</b>	

**F3822-93  
Upper retainer  
lateral to lateral kit**

Assorted kit of 20



**Lower retainer  
cuspid to cuspid**

Tooth shaped pads allow the maximum retention strength. Small thickness for a perfect adjustment to the lingual surface, with ease of hygiene and lower patient discomfort.



mm		pkg.
29	<b>F3836-29</b>	2
31	<b>F3836-31</b>	
33	<b>F3836-33</b>	
35	<b>F3836-35</b>	
37	<b>F3836-37</b>	

**F3836-93  
Lower retainer  
cuspid to cuspid kit**

Assorted kit of 10



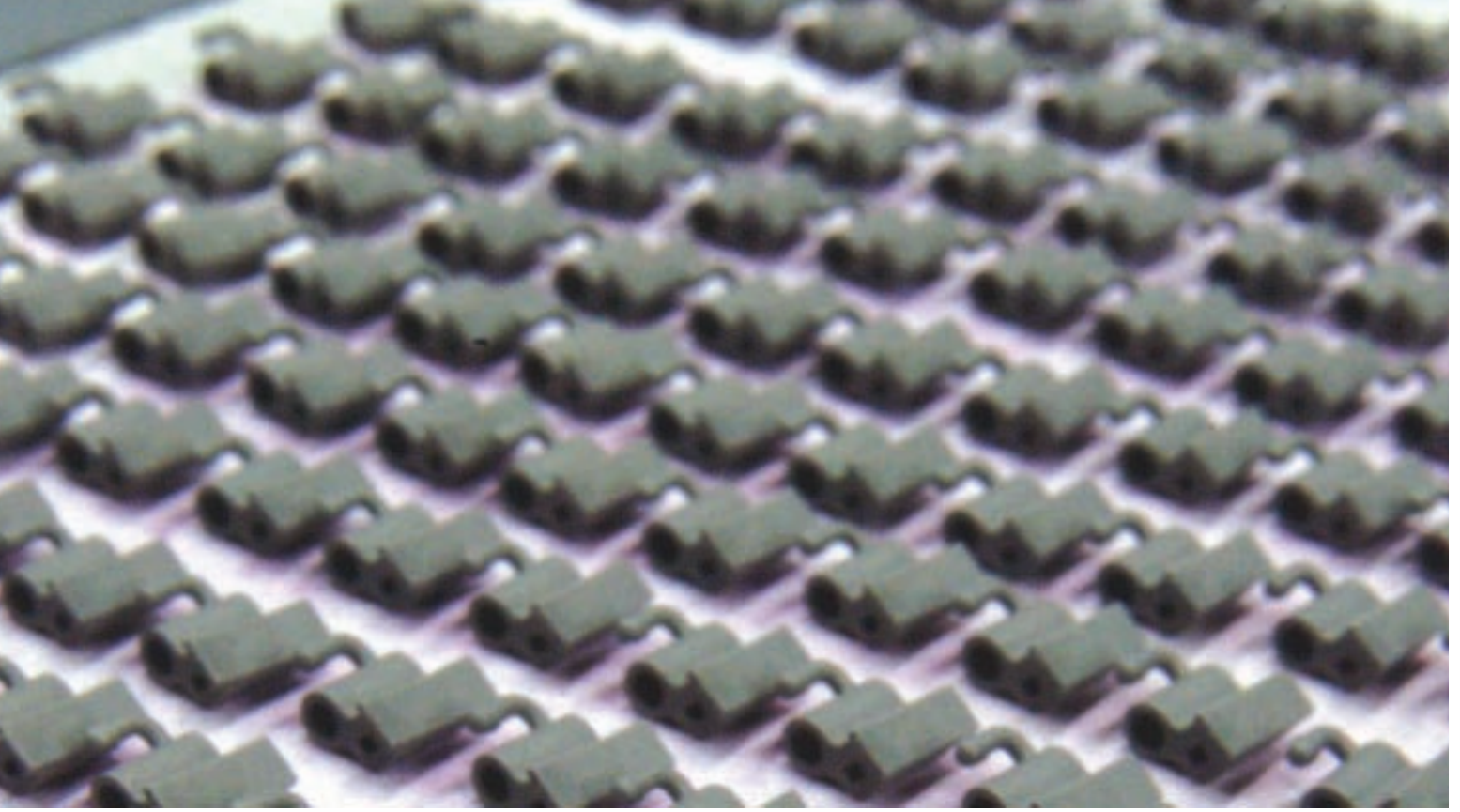
**F3940-95  
Diastema kit**

Pack: 20 tubes and 10 springs

## Refills

**F3941-00** Springs  
**F3942-00** Tubes

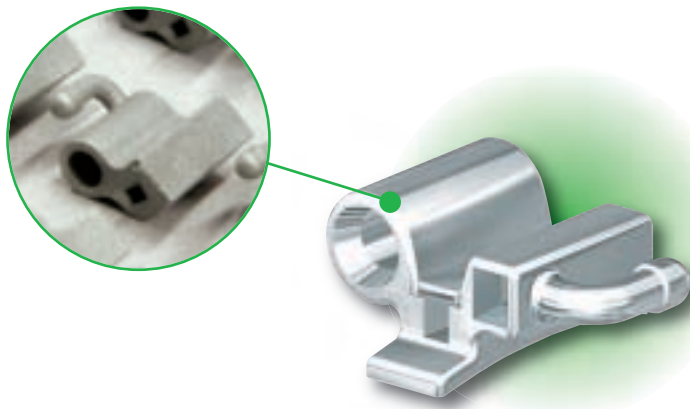
Packs of 10



tubes and brackets



# tubes and brackets



Leone buccal tubes are produced in stainless steel with Metal Injection Moulding technology for absolute precision of the slot size and a special bevelled design for maximum patient's comfort.

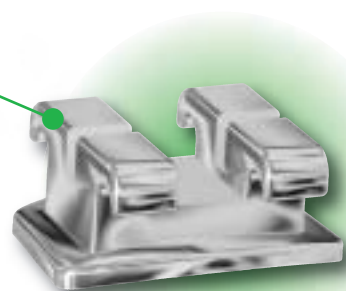
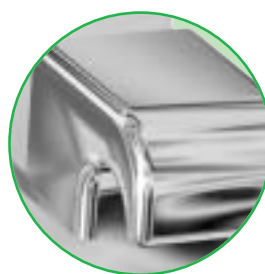
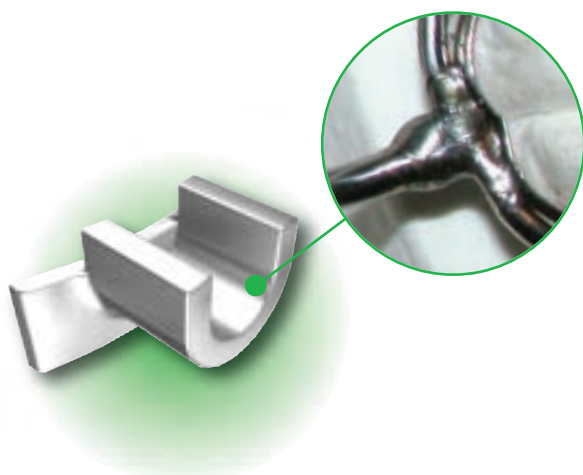
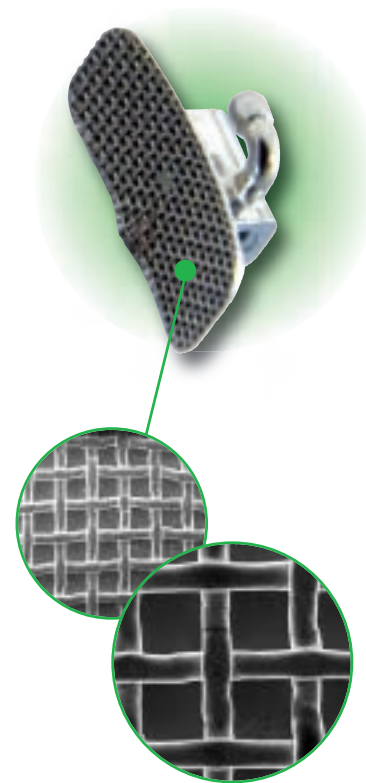
Every **MIM**<sup>®</sup> tube and attachment may be pre welded to either **CALIBRA**<sup>®</sup> or **WEB**<sup>®</sup> bands with free prewelding service or solder-brazed on the D.B. anatomical mesh pad **MAXI F2800-00**, which is first molar anatomical contoured. Solder-brazing service is free of charge.

Leone brackets are manufactured from stainless steel with a mechanical micro machine working system to get the highest precision of slots. General tolerance is lower than 3/100. Under edges of tie wings are rounded.

All the Leone brackets may be welded on either **CALIBRA**<sup>®</sup> or **WEB**<sup>®</sup> bands with a free prewelding service.

The connectors for laser welding, under patent pending, represent a good help in the laboratory to perform laser welding of elements with variable thickness.

The Leone connectors are manufactured from stainless steel with **MIM**<sup>®</sup> technology to get smooth surfaces for the maximum comfort of the patient



# MIM® buccal tubes



## MIM® buccal tubes

Every **MIM®** tube may be pre welded to either **CALIBRA®** or **WEB®** bands with free prewelding service (page 53) or solder-brazed on the D.B. anatomical mesh pad **MAXI F2800-00**, which is first molar anatomical contoured. Solder-brazing service is free of charge (page 99). Also available in the direct bonding version upon request (pages 97, 98).

Packs of 10

Packs of 100 on request

				torque 	rect. tube rot.	round tube diam.	rect. tube slot	weldable tubes		
 <b>auxiliary tube .018"x.025"</b>	$\frac{6}{6}   \frac{6}{6}$				0°	.045" occl.	.018"	R	<b>G8084-22</b>	
							.022"	L	<b>G8084-23</b>	
	$\frac{6}{6}   \frac{6}{6}$				0°	.051" occl.	.018"	R	<b>G8085-12</b>	
							.022"	L	<b>G8085-13</b>	
	$\frac{6}{6}   \frac{6}{6}$				-10°	+8°	.045" occl.	.018"	R	<b>G8384-22</b>
								.022"	L	<b>G8384-23</b>
$\frac{6}{6}   \frac{6}{6}$				-10°	+8°	.051" occl.	.018"	R	<b>G8324-22</b>	
							.022"	L	<b>G8324-23</b>	
 <b>auxiliary tube .018"x.025"</b>	$\frac{6}{6}   \frac{6}{6}$				0°	.045" ging.	.018"	R	<b>G8385-12</b>	
							.022"	L	<b>G8385-13</b>	
	$\frac{6}{6}   \frac{6}{6}$				-10°	+8°	.045" ging.	.018"	R	<b>G8325-12</b>
								.022"	L	<b>G8325-13</b>
 <b>auxiliary tube .018"x.025"</b>	$\frac{6}{6}   \frac{6}{6}$				0°		.018"	R	<b>G8070-16</b>	
							.022"	L	<b>G8070-17</b>	
	$\frac{6}{6}   \frac{6}{6}$				-25°	+8°		.018"	R	<b>G8010-16</b>
								.022"	L	<b>G8010-17</b>
$\frac{6}{6}   \frac{6}{6}$				-25°	+8°		.018"	R	<b>G8070-06</b>	
							.022"	L	<b>G8070-07</b>	
$\frac{6}{6}   \frac{6}{6}$				-25°	+8°		.018"	R	<b>G8010-06</b>	
							.022"	L	<b>G8010-07</b>	

# MIM® buccal tubes



## MIM® buccal tubes


















Packs of 10

Packs of 100 on request

			torque	rect. tube rot.	round tube diam.	rect. tube slot	weldable tubes	
							R	L
	6   6		0°		.045" occl.	.018"	R	<a href="#">G8084-32</a>
							L	<a href="#">G8084-33</a>
	6   6		0°		.051" occl.	.018"	R	<a href="#">G8024-32</a>
							L	<a href="#">G8024-33</a>
	6   6		-10°	+8°	.045" occl.	.018"	R	<a href="#">G8085-22</a>
							L	<a href="#">G8085-23</a>
	6   6		-10°	+8°	.051" occl.	.022"	R	<a href="#">G8025-22</a>
							L	<a href="#">G8025-23</a>
6   6		-10°	+8°	.045" occl.	.018"	R	<a href="#">G8384-32</a>	
						L	<a href="#">G8384-33</a>	
6   6		-10°	+8°	.051" occl.	.022"	R	<a href="#">G8324-32</a>	
						L	<a href="#">G8324-33</a>	
	6   6		0°		.045" ging.	.018"	R	<a href="#">G8084-02</a>
							L	<a href="#">G8084-03</a>
	6   6		0°		.051" ging.	.022"	R	<a href="#">G8024-02</a>
							L	<a href="#">G8024-03</a>
	6   6		-10°	+8°	.045" ging.	.018"	R	<a href="#">G8085-02</a>
							L	<a href="#">G8085-03</a>
	6   6		-10°	+8°	.051" ging.	.022"	R	<a href="#">G8025-02</a>
							L	<a href="#">G8025-03</a>
	6   6		-10°	+8°	.045" ging.	.018"	R	<a href="#">G8384-02</a>
							L	<a href="#">G8384-03</a>
	6   6		-10°	+8°	.051" ging.	.022"	R	<a href="#">G8324-02</a>
							L	<a href="#">G8324-03</a>
	6   6		-10°	+8°	.045" ging.	.018"	R	<a href="#">G8385-02</a>
							L	<a href="#">G8385-03</a>
	6   6		-10°	+8°	.051" ging.	.022"	R	<a href="#">G8325-02</a>
							L	<a href="#">G8325-03</a>
6   6		-25°	+8°	.045" ging.	.018"	R	<a href="#">G8384-06</a>	
						L	<a href="#">G8384-07</a>	
6   6		-25°	+8°	.051" ging.	.022"	R	<a href="#">G8324-06</a>	
						L	<a href="#">G8324-07</a>	
6   6		-25°	+8°	.045" ging.	.018"	R	<a href="#">G8385-06</a>	
						L	<a href="#">G8385-07</a>	
6   6		-25°	+8°	.051" ging.	.022"	R	<a href="#">G8325-06</a>	
						L	<a href="#">G8325-07</a>	

# MIM® buccal tubes



					torque 	rect. tube rot.	round tube diam.	rect. tube slot	weldable tubes		
	6   6 6   6				0°		.018"	R	<b>G8081-02</b>		
							L	<b>G8081-03</b>			
	7 6   6 7				-10°	+8°		.018"	R	<b>G8381-02</b>	
								L	<b>G8381-03</b>		
					-14°	+8°			.022"	R	<b>G8321-02</b>
									L	<b>G8321-03</b>	
7 6   6 7				-20°	+8°			.022"	R	<b>G8321-16</b>	
								L	<b>G8321-17</b>		
					-25°	+8°			.018"	R	<b>G8381-06</b>
									L	<b>G8381-07</b>	
									R	<b>G8321-06</b>	
									L	<b>G8321-07</b>	

## MIM® lingual tube with ball hook



**G2846-02** Right

**G2846-03** Left

**G2847-02** Right, rotation -8°

**G2847-03** Left, rotation -8°



The curved flanges adapt to contours of both first and second molars.  
For use with double wires: .036".

Packs of 10

## MIM® activator tube for extraoral facebow

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

**A0761-45** ∅ .045"

**A0761-51** ∅ .051"

Packs of 10



# convertible MIM® buccal tubes



## Convertible MIM® buccal tubes

The laser welded convertible cap prevents from any detachment and it is easy removable with the special Leone instrument P1090-00. Every tube is available: in the D.B. version, prewelded to either **CALIBRA®** or **WEB®** bands or solder-brazed on the D.B. anatomical mesh pad **MAXI F2800-00** (free services see pages 53, 99).

Packs of 10

Packs of 100 on request

					torque 	rect. tube rot.	round tube diam.	rect. tube slot	weldable tubes		
	6   6 6   6				0°		.045" occl.	.018"	R	<a href="#">G8184-22</a>	
									L	<a href="#">G8184-23</a>	
								.022"	R	<a href="#">G8124-22</a>	
									L	<a href="#">G8124-23</a>	
	6   6					0°		.051" occl.	.018"	R	<a href="#">G8185-12</a>
										L	<a href="#">G8185-13</a>
								.022"	R	<a href="#">G8125-12</a>	
									L	<a href="#">G8125-13</a>	
6   6					-10°	+8°	.045" occl.	.018"	R	<a href="#">G8484-22</a>	
									L	<a href="#">G8484-23</a>	
								.022"	R	<a href="#">G8424-22</a>	
									L	<a href="#">G8424-23</a>	
6   6					-10°	+8°	.051" occl.	.018"	R	<a href="#">G8485-12</a>	
									L	<a href="#">G8485-13</a>	
								.022"	R	<a href="#">G8425-12</a>	
									L	<a href="#">G8425-13</a>	
	6   6 6   6				0°			.018"	R	<a href="#">G8170-16</a>	
									L	<a href="#">G8170-17</a>	
								.022"	R	<a href="#">G8110-16</a>	
									L	<a href="#">G8110-17</a>	
	6   6					-25°	+8°		.018"	R	<a href="#">G8470-06</a>
										L	<a href="#">G8470-07</a>
								.022"	R	<a href="#">G8410-06</a>	
									L	<a href="#">G8410-07</a>	
	6   6 6   6				0°		.045" occl.	.018"	R	<a href="#">G8184-12</a>	
									L	<a href="#">G8184-13</a>	
									.022"	R	<a href="#">G8124-12</a>
										L	<a href="#">G8124-13</a>
	6   6					0°		.051" occl.	.018"	R	<a href="#">G8185-22</a>
										L	<a href="#">G8185-23</a>
									.022"	R	<a href="#">G8125-22</a>
										L	<a href="#">G8125-23</a>
6   6					-10°	+8°	.045" occl.	.018"	R	<a href="#">G8484-12</a>	
									L	<a href="#">G8484-13</a>	
								.022"	R	<a href="#">G8424-12</a>	
									L	<a href="#">G8424-13</a>	
6   6					-10°	+8°	.051" occl.	.018"	R	<a href="#">G8485-22</a>	
									L	<a href="#">G8485-23</a>	
								.022"	R	<a href="#">G8425-22</a>	
									L	<a href="#">G8425-23</a>	
					-14°	+10°	.045" occl.	.022"	R	<a href="#">G8424-32</a>	
									L	<a href="#">G8424-33</a>	



# convertible MIM® buccal tubes



					torque 	rect. tube rot.	round tube diam.	rect. tube slot	weldable tubes		
	6   6 6   6				0°		.045" ging.	.018"	R	G8184-02	
								L	G8184-03		
									.022"	R	G8124-02
									L	G8124-03	
	6   6					0°		.051" ging.	.018"	R	G8185-02
									L	G8185-03	
								.022"	R	G8125-02	
								L	G8125-03		
6   6					-10°	+8°	.045" ging.	.018"	R	G8484-02	
								L	G8484-03		
								.022"	R	G8424-02	
								L	G8424-03		
6   6					-10°	+8°	.051" ging.	.018"	R	G8485-02	
								L	G8485-03		
								.022"	R	G8425-02	
								L	G8425-03		
6   6					-20°	+8°	.045" ging.	.022"	R	G8424-16	
								L	G8424-17		
						-25°	+8°		.018"	R	G8484-06
									L	G8484-07	
									.022"	R	G8424-06
									L	G8424-07	
6   6					-25°	+8°	.051" ging.	.018"	R	G8485-06	
								L	G8485-07		
								.022"	R	G8425-06	
								L	G8425-07		
6   6					0°			.018"	R	G8181-02	
								L	G8181-03		
									.022"	R	G8121-02
									L	G8121-03	
	6   6					-10°	+8°		.018"	R	G8481-02
									L	G8481-03	
								.022"	R	G8421-02	
								L	G8421-03		
6   6					-20°	+8°		.022"	R	G8421-16	
								L	G8421-17		
					-25°	+8°		.018"	R	G8481-06	
								L	G8481-07		
								.022"	R	G8421-06	
								L	G8421-07		



## P1090-00

### Cap remover for convertible tubes

\*\*\*

It makes the conversion of rectangular tube easy when banding of second molar is required.  
Autoclavable.  
Replaceable tips **P1090-01**, 2 pcs.



# weldable brackets



2 1   1 2		incisors			torque 	ang. 	 mm		slot .018"	slot .022"
	2 1   1 2			2.5	0°		2,5	R L	<b>G2080-14</b>	<b>G2020-14</b>
				3.3	0°		3,3	R L	<b>G2080-34</b>	<b>G2020-34</b>
	1   1			3.5	0°		3,5	R L	<b>G2086-14</b>	<b>G2026-14</b>
				4.4	0°		4,4	R L	<b>G2080-44</b>	<b>G2020-44</b>
				3.3	+10°	+5°	3,3	R L		<b>G2421-02</b> <b>G2421-03</b>
				3.3	+22°	0°	3,3	R L	<b>G2480-04</b>	
	2   2			2.7	0°		2,7	R L	<b>G2080-24</b>	<b>G2020-24</b>
				2.7	+5°	+10°	2,7	R L		<b>G2422-02</b> <b>G2422-03</b>
				2.7	+14°	+8°	2,7	R L	<b>G2482-02</b> <b>G2482-03</b>	
3   3		cuspid								
				2.5	0°		2,5	R L	<b>G2080-14</b>	<b>G2020-14</b>
				2.7	0°		2,7	R L	<b>G2088-04</b>	<b>G2028-04</b>
				3.3	0°		3,3	R L	<b>G2088-14</b>	<b>G2028-14</b>
				3.3	+7°	+5°	3,3	R L	<b>G2483-08</b> <b>G2483-00</b>	
				3.3	-10°	+10°	3,3	R L		<b>G2423-02</b> <b>G2423-03</b>
				3.3	-10°	+15°	3,3	R L		<b>G2423-12</b> <b>G2423-13</b>
5 4   4 5		bicuspid								
				2.7	0°		2,7	R L	<b>G2088-04</b>	<b>G2028-04</b>
				3.3	0°		3,3	R L	<b>G2088-34</b>	<b>G2028-34</b>
				2	0°		2,0	R L	<b>G2089-14</b>	<b>G2029-14</b>
				3.3	0°		3,3	R L	<b>G2084-01</b>	<b>G2024-01</b>
				3.3	-7°	0°	3,3	R L	<b>G2489-01</b>	<b>G2429-11</b>

suggested for Andrews system

suggested for Ricketts system

# weldable brackets



2 1   1 2		incisors		torque	ang.	mm		slot .018"	slot .022"
				0°		2,0	R L	G2080-04	G2020-04
				0°		2,1	R L	G2080-05	G2020-05
3   3		cuspid							
				0°		2,5	R L	G2080-14	G2020-14
				0°		2,7	R L	G2088-04	G2028-04
				0°		3,3	R L	G2088-14	G2028-14
				+7°	+5°	3,3	R L	G2483-00 G2483-08	
				-10°	+5°	3,3	R L		G2423-06 G2423-07
				-10°	+10°	3,3	R L		G2423-16 G2423-17
5 4   4 5		bicuspid							
				0°		2,7	R L	G2088-04	G2028-04
				0°		3,3	R L	G2088-34	G2028-34
				-7°	0°	3,3	R L	G2484-05	
				-15°	0°	3,3	R L	G2485-05	
				0°		2,0	R L	G2089-14	G2029-14
				0°		3,3	R L	G2084-01	G2024-01
				-17°	0°	3,3	R L	G2489-15	G2429-15
				-22°	0°	3,3	R L	G2489-05	G2429-25
6   6 6   6		molars							
				0°		3,5	R L	G2086-14	G2026-14
				0°		4,4	R L	G2080-44	G2020-44

Packs of 10  
Packs of 100 on request

■ suggested for Andrews system

■ suggested for Ricketts system

# connectors for laser welding *(patented)*



## Connectors for laser welding *(patented)*

Connectors for laser welding are accessories to be welded on the lingual side of the bands. Manufactured with **MIM**<sup>®</sup> technology, they feature a special fit geometry allowing the hold of the wire or the arm of the expander for laser welding of elements with a different thickness. The three models allow to make expanders, palatal bars and quad-helix with safety and solidity of the welded joints.

Packs of 10



**G0560-00**  
Connector  
for expanders



*The connector's flanges ensure a good joint to the band by means of a welding machine*



*The connector's shape enables a correct biomechanical position of the arm and the hygiene of the area*



**G0565-09**  
Connector 0,9 mm  
for bicuspid



**G0570-09**  
Connector 0,9 mm  
for molars



*Detail of the wire housing into the connector's seat*



*Laser welded connector: mechanic resistance and stainlessness are guaranteed*



## Twin Arch system tubes

**G0520-24** Buccal tube.  
Length: 28,6 mm.  
For double wire .011".  
Outer diameter: .036".



**G0533-36** Buccal tube for soldering.  
Inner diameter: .036".

Packs of 10





## G2800-00 Tongue cribs Mestre style

For preventing sucking habits and tongue thrusting.  
Easy to adapt and ready polished.

Pack of 1


## Round tubes



	 mm		pkg.
.036"	6,5	<b>G0533-36</b>	10
.045"	5,5	<b>G0532-45</b>	
.045"	9,5	<b>G0535-45</b>	

## Round tubing




		pkg.
.036"	<b>G0525-36</b>	1 pc 30 cm long
.040"	<b>G0525-40</b>	
.045"	<b>G0525-45</b>	



## MIM® surgical hooks

For intermaxillary post-surgical fixation and tractions. Round edges.  
Easy to place with plier P1911-00.

 mm	for arch .018"	for arch .022"	pkg.
2,0	<b>G9620-18</b>	<b>G9620-22</b>	10
2,0 open	<b>G9650-18</b>	<b>G9650-22</b>	

## Lingual buttons

- G2860-00** Flat  
for centering  
on molars
- G2865-00** Curved  
for mesial placement  
on molars
- G2870-00** Deep curved  
for bicuspid

Packs of 10

## G2850-00 Lingual seating lugs

Packs of 100



# weldable accessories



## Crimpable arch stops

It can be inserted without removing the archwire. Once placed into the mouth, crimp it with a heavy cutter or universal plier. Suggested for use with coil springs too.

**G9225-18** arches .018"x.025"  
**G9228-22** arches .022"x.028"

Packs of 10



## Elastic lugs

**G2893-00** Curved  
for posteriors  
**G2890-00** Flat  
for anteriors

Packs of 100



## G2810-00 Eyelets

Pack of 100



## G2820-00 Lingual cleats high profile

Pack of 100



## Lingual cleats low profile

**G2824-00** For molars  
**G2822-00** For cuspids  
and bicuspid

Packs of 100



## G9019-25 Crimpable closed hook

For treatment with **STEP** technique, it is used for the application of intra and extraoral forces on .019"x.025" archwires in extra spring hard or super hard heat-treated stainless steel. Crimp it with a large cutter or P1911-00 plier.

Packs of 10



# elastics and ligatures



# elastics and ligatures



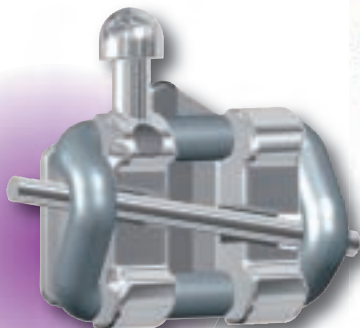
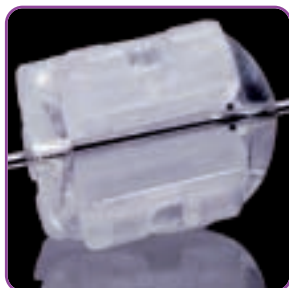
Leone offers elastics manufactured with the best quality of latex available. The innovative low friction *Slide*<sup>TM\*</sup> ligatures are manufactured in a special medical grade polyurethane mix providing all the advantage of low friction bio-mechanical properties with shorter therapeutic times and without the need of extractions. These ligatures are especially indicated for use with **Logic Line**<sup>TM</sup> brackets.

Leone modules for ligatures are stamped from elastomer offering the best elasticity and resistance to oral liquid absorption.

Leone wires for metal ligatures are manufactured out from a high vacuum annealed alloy for the best fit and higher mechanical load.

## *Slide*<sup>TM\*</sup>

low friction system



\*patented



# Slide™\* low friction ligatures



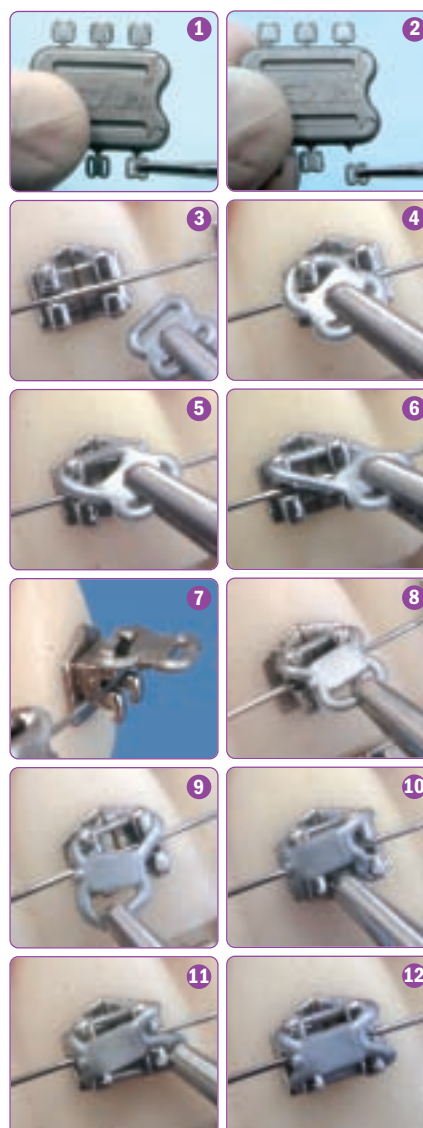
## Slide™\* low friction ligatures

**Slide™\*** is a product manufactured with a special polyurethane mix for medical use. The application is similar to that for conventional elastic ligatures. Once placed on the bracket, it creates a passive ligature on the slot that makes the archwire free to slide and to produce its effects on the dentoalveolar structures. This ligature is especially indicated for use with **Logic Line™** brackets (pages 76..87), which are featuring a housing to keep **Slide™\*** ligature in place for the integration in the bracket's profile. The particular conformation of the **Slide™\*** ligature considerably improves patient's comfort during the first phases of treatment.

Packs of 10 modules, 6 ligatures each



colour	extra-small	small	medium	
	blue	<a href="#">K6254-10A</a>	<a href="#">K6251-10A</a>	<a href="#">K6252-10A</a>
	yellow	<a href="#">K6254-10G</a>	<a href="#">K6251-10G</a>	<a href="#">K6252-10G</a>
	green	<a href="#">K6254-10V</a>	<a href="#">K6251-10V</a>	<a href="#">K6252-10V</a>
	white	<a href="#">K6254-10</a>	<a href="#">K6251-10</a>	<a href="#">K6252-10</a>
	red	<a href="#">K6254-10R</a>	<a href="#">K6251-10R</a>	<a href="#">K6252-10R</a>
	black	<a href="#">K6254-10N</a>	<a href="#">K6251-10N</a>	<a href="#">K6252-10N</a>
	ice	<a href="#">K6224-10</a>	<a href="#">K6221-10</a>	<a href="#">K6222-10</a>
	silver	<a href="#">K6264-10</a>	<a href="#">K6261-10</a>	<a href="#">K6262-10</a>



\*patented

# Slide™ low friction ligatures



## Slide™\* coloured ligature kit

**K6254-93** extra-small

**K6251-93** small

**K6252-93** medium

Packs of 432 pcs:

72 assorted modules, 6 ligatures each in 6 colors:  
(black, red, white, green, yellow, blue)

**K6220-95**

## Slide™\* ligature ice kit

**K6260-95**

## Slide™\* ligature silver kit

Packs of 432 pcs: 72 modules, 6 ligatures each:

24 extra-small, 24 small, 24 medium



Courtesy of Dr. A. Fortini

## Slide™\* AQUA™ low friction ligatures

Thanks to an innovative manufacturing process, the new **Slide™\* AQUA™** low friction ligatures are not subject to corrosion by oral liquids and are now even more resistant to discoloration (a recurring issue with transparent elastomers). Changing ligatures frequently is no longer necessary and perfect aesthetics is guaranteed.

This ligature is indicated for use with **Logic Line™** brackets (pages 76..87) which are featuring a housing to keep **Slide™\*** ligature in place for the integration in the bracket's profile. Clear color.



**K6214-10** extra-small

**K6211-10** small

**K6212-10** medium

Packs of 10 modules, 6 ligatures each

**K6210-93**

## Slide™\* AQUA™ ligature kit

Packs of 432 pcs: 72 assorted modules, 6 ligatures each:

24 extra-small, 24 small, 24 medium

\*patented



## Elastic ligatures

Manufactured out from high elastic material with a precision injection moulding process.

The perfect ring section facilitates the ligation of the brackets.

The use of the mini modules allows for a better control of infections.

## Elastic coloured ligature kit mini modules

**K7351-93** inner diam. 1,0 mm - **small**

**K7352-93** inner diam. 1,3 mm - **medium**

**K7353-93** inner diam. 1,6 mm - **large**

*Packs of 840 rings, 6 mini modules of 10 rings each in 14 colours*

## Mini modules

colour	inner diam. 1,0 mm <b>small</b>	inner diam. 1,3 mm <b>medium</b>	inner diam. 1,6 mm <b>large</b>	pkg.
blue	<b>K7351-10A</b>	<b>K7352-13A</b>	<b>K7353-16A</b>	200 pcs.
blue fluorescent	<b>K7301-10A</b>	<b>K7302-13A</b>	<b>K7303-16A</b>	
pink	<b>K7351-10S</b>	<b>K7352-13S</b>	<b>K7353-16S</b>	
pink fluorescent	<b>K7301-10S</b>	<b>K7302-13S</b>	<b>K7303-16S</b>	
green	<b>K7351-10V</b>	<b>K7352-13V</b>	<b>K7353-16V</b>	
green fluorescent	<b>K7301-10V</b>	<b>K7302-13V</b>	<b>K7303-16V</b>	
yellow	<b>K7351-10G</b>	<b>K7352-13G</b>	<b>K7353-16G</b>	
yellow fluorescent	<b>K7301-10G</b>	<b>K7302-13G</b>	<b>K7303-16G</b>	
red	<b>K7351-10R</b>	<b>K7352-13R</b>	<b>K7353-16R</b>	
red fluorescent	<b>K7301-10R</b>	<b>K7302-13R</b>	<b>K7303-16R</b>	
orange	<b>K7351-10E</b>	<b>K7352-13E</b>	<b>K7353-16E</b>	
orange fluorescent	<b>K7301-10E</b>	<b>K7302-13E</b>	<b>K7303-16E</b>	
purple	<b>K7351-10L</b>	<b>K7352-13L</b>	<b>K7353-16L</b>	
purple fluorescent	<b>K7301-10L</b>	<b>K7302-13L</b>	<b>K7303-16L</b>	
transparent	<b>K7321-10</b>	<b>K7322-13</b>	<b>K7323-16</b>	
silver	<b>K7361-10</b>	<b>K7362-13</b>	<b>K7363-16</b>	

*Packs of 20 mini modules, 10 rings each*

## K7320-93

## Elastic ligature kit silver and transparent mini modules

*Packs of 840 rings:*

*84 assorted mini modules of 10 rings each: 24 small, 36 medium, 24 large*



# elastic chains and separators



## Elastic chains for ligatures

For ligation of the archwire to brackets and application of traction force to close or maintain spaces in between two teeth or groups of teeth.

inner diameter		grey	transparent	package
1,30 mm	long	K6460-13	K6420-13	spools of 5 m (15 feet)
	short	K6465-13	K6425-13	
	extra short	K6466-13	K6426-13	

## Elastic chain kit

**K6429-93** Transparent  
**K6469-93** Grey

Packs of 6 spools:  
3 short, 2 closed and 1 long  
on a plexiglas rack



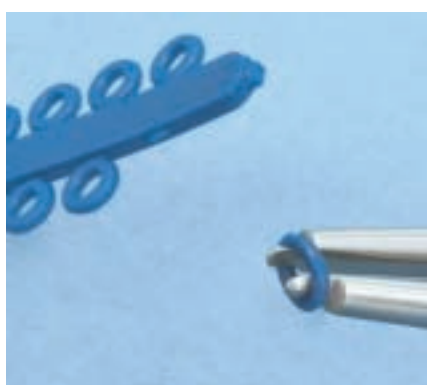
long



short



extra short



## K6378-00

### Radio opaque separators in modules

Their circular section allows an easy application with the special plier P1141-00 assuring a gradual and comfortable separation of the teeth before the application of the bands. Radio opaque for a secure X-ray visualization.

Pack of 100 modules, 10 rings each



## K6461-00

### Tie-back

For the application of elastic tractions on treatments with **STEP** technique. Easy insertion on molar tube.

The four anterior holes allow a perfect dosage of force on archwire hook. Colour: silver grey.

Pack of 10



# elastic ligatures and ligature wire



## Elastic ligating modules

inner diam.mm	transparent	grey	pink	blue	green	pkg.
1,0	<b>K7825-10</b>	<b>K7865-10</b>	<b>K7855-10S</b>	<b>K7855-10A</b>	<b>K7855-10V</b>	600 pcs.
1,3	<b>K7825-13</b>	<b>K7865-13</b>	<b>K7855-13S</b>	<b>K7855-13A</b>	<b>K7855-13V</b>	

Packs of 30 modules, 20 rings each



## Elastic ligatures

They may be used in replacement of metallic ligatures. Easy engagement under bracket tie wings.

inner diam.mm	colour		pkg.
1,0	transparent	<b>K6320-10</b>	1000 pcs.
1,3		<b>K6320-13</b>	
1,0	grey	<b>K6360-10</b>	
1,3		<b>K6360-13</b>	



## Elastic wire for ligatures and tractions

Made of highly elastic, atoxic polyurethane. The rough surface enhances the tightness of ligatures and traction loops.

∅ mm	colour		pkg.
0,6	grey	<b>K6125-06</b>	8 m
0,8		<b>K6125-08</b>	



## Cotton thread for elastic ligatures

A special elasticized cotton thread created for separation, distalization, traction movements of non-erupted teeth, rotation and closure of spaces at the end of treatment.

light	<b>K4030-01</b>	reels of 25 m
medium	<b>K4030-02</b>	
strong	<b>K4030-03</b>	

# ligature wire and protective tubes



## Ligature wire

Made of stainless steel.

mm	inch		package		package
0,23	.009	<b>K4050-23</b>	spools of 20 g approx.	<b>K4051-23</b>	reels of 500 g approx.
0,25	.010	<b>K4050-25</b>		<b>K4051-25</b>	
0,28	.011	<b>K4050-28</b>		<b>K4051-28</b>	
0,30	.012	<b>K4050-30</b>		<b>K4051-30</b>	
0,36	.014	<b>K4050-36</b>		<b>K4051-36</b>	

## Elastic ligature wire

500% elongation capacity with little fatigue. High degree of resistance to oral liquid absorption.

Spools of 8 m

∅ mm	transparent	grey
0,60	<b>K6020-06</b>	<b>K6060-06</b>
0,80	<b>K6020-08</b>	<b>K6060-08</b>



## K6990-18 Thermoretractile protective tube

A thermo retractile plastic tubing for covering of labial arches and lip bumpers. It acts as a bumper to protect the buccal mucous membrane from contact with metal wire for better patient comfort. For wires 1,15 mm (.045") up to 1,80 mm (.071") in diameter.

Pack of 1 m



## K0470-00 Labial archwire tube

Made of a chemically inert material, anti-adhesive, non porous, with a very low friction coefficient. Slightly thermo retractile when heated at 150°C. For wires 0,7 mm (.028") up to 0,8 mm (.031") in diameter.

Pack of 5 m



## Elastomer protective tube

High flexible tube that can easily slip over the arch wire to protect buccal mucosa from damage or irritation. When cut to proper length, it prevents over-closure of spaces.


inner diam. mm	inch	colour		pkg.
0,5	.018	transparent	<b>K6940-05</b>	3 m
0,7	.027		<b>K6940-07</b>	

# preformed ligature wire and ligatures



## Preformed wire Kobayashi

Once ligature is ready, a traction hook may be formed with the looped soldered end, suitable for any kind of bracket.

∅			pkg.
mm	inch		
0,30	.012	<b>K4610-30</b>	100
0,36	.014	<b>K4610-36</b>	



## K4680-36 NATURA® preformed Kobayashi ligatures

Made of wire .014" (0,36 mm) in diameter, twisted, with tooth colour coating.

Pack of 100



## K4280-30 NATURA® preformed ligature wire

Made of wire .012" (0,30 mm) with tooth colour coating.

Pack of 100



## K4430-25 Preformed ligature ties

Made of wire .010" (0,25 mm) in diameter.

Pack of 1000




## K4480-30 NATURA® preformed ligature ties

Made of wire .012" (0,30 mm) in diameter, with tooth colour coating.

Pack of 100



## Preformed ligature wire

∅			pkg.
mm	inch		
0,23	.009	<b>K4210-23</b>	1000
0,25	.010	<b>K4210-25</b>	
0,28	.011	<b>K4210-28</b>	
0,30	.012	<b>K4210-30</b>	

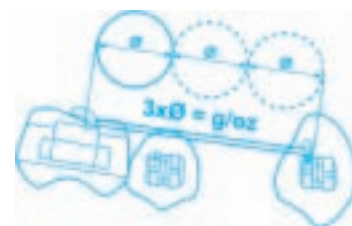


## Intraoral elastics

Cut from pure surgical latex tubing. All packages indicate the diameter size and the elastic pull which comes into force when the elastic is stretched three times its diameter. On each bag a colored image is printed, for an immediate identification from young patients.

Packs of 10 bags, 100 elastics approx. each bag

		1/8"-3,2 mm	3/16"-4,8 mm	1/4"-6,4 mm	5/16"-7,9 mm	3/8"-9,5 mm
inner diameter						
		brown	green	red	blue	orange
<b>light</b> 2,5 oz-70 g		<b>K0901-02</b>	<b>K0902-02</b>	<b>K0903-02</b>	<b>K0904-02</b>	<b>K0905-02</b>
<b>medium</b> 4,5 oz-126 g		<b>K0906-04</b>	<b>K0907-04</b>	<b>K0908-04</b>	<b>K0909-04</b>	<b>K0910-04</b>
<b>heavy</b> 6,5 oz-182 g		<b>K0915-06</b>	<b>K0911-06</b>	<b>K0912-06</b>	<b>K0913-06</b>	<b>K0914-06</b>



## Extraoral elastics

Cut from pure surgical latex.

Packs of 1 bag with 100 elastics approx

### K0930-93 Extraoral elastic kit

Pack of 10 bags, 1 each diameter and pull force, 100 elastics

	3/16"-4,8 mm	1/4"-6,4 mm	5/16"-7,9 mm	3/8"-9,5 mm	1/2"-12,7 mm
inner diameter					
<b>strong</b> 8 oz-224 g	<b>K0932-08</b>	<b>K0933-08</b>	<b>K0934-08</b>	<b>K0935-08</b>	<b>K0936-08</b>
<b>extra strong</b> 14 oz-392 g	<b>K0942-14</b>	<b>K0943-14</b>	<b>K0944-14</b>	<b>K0945-14</b>	<b>K0946-14</b>

### K0950-00

## Applicator for intraoral elastics

Pack of 100



**Caution:** these products contain natural rubber latex that may cause allergic reactions.





intra-extraoral and  
orthodontic mini implants

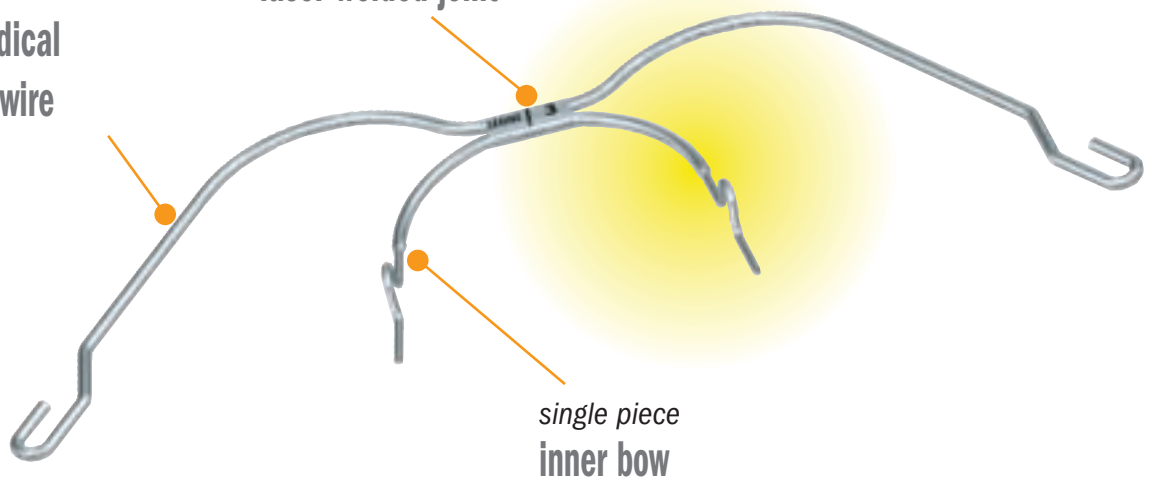


# intra-extraoral



made of biomedical stainless steel wire

laser welded joint



single piece inner bow

for use with safety modules only

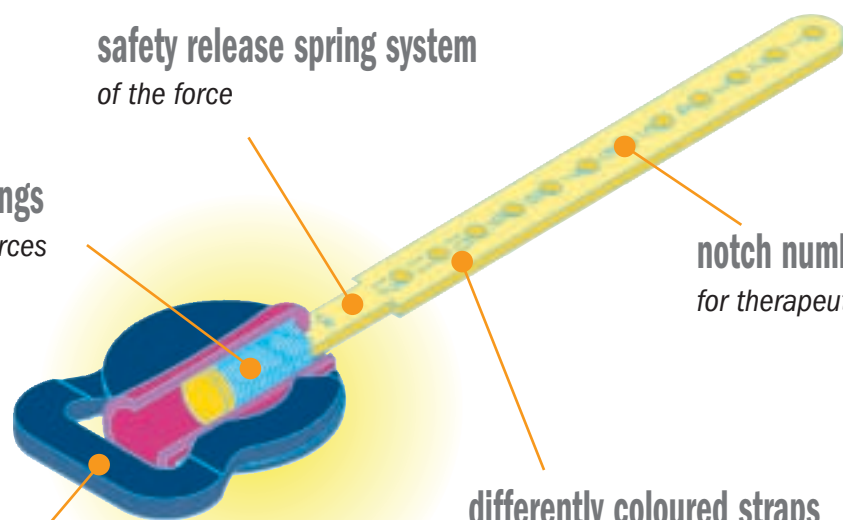
Leone extraoral face bows include a wide range of items suitable to any kind of treatment.

Extraoral face bows, lip-bumpers, etc. are the result of extensive scientific research and studies performed on worldwide known techniques.

The wide range of tractions has been conceived for the safety of patient and in accordance with the current regulations.

safety release spring system  
of the force

stainless steel springs  
release permanent forces



notch numbered straps  
for therapeutical control

differently coloured straps  
to indicate the different spring force of modules

absolutely safe for patients

clasps disengage the spring strap when a pressure pull of 2 Kg each side has exceeded

# lip bumper and extraoral facebows



## Lip bumper

Made of biomedical stainless steel .045" wire. Non toxic techno-polymer labial coating.

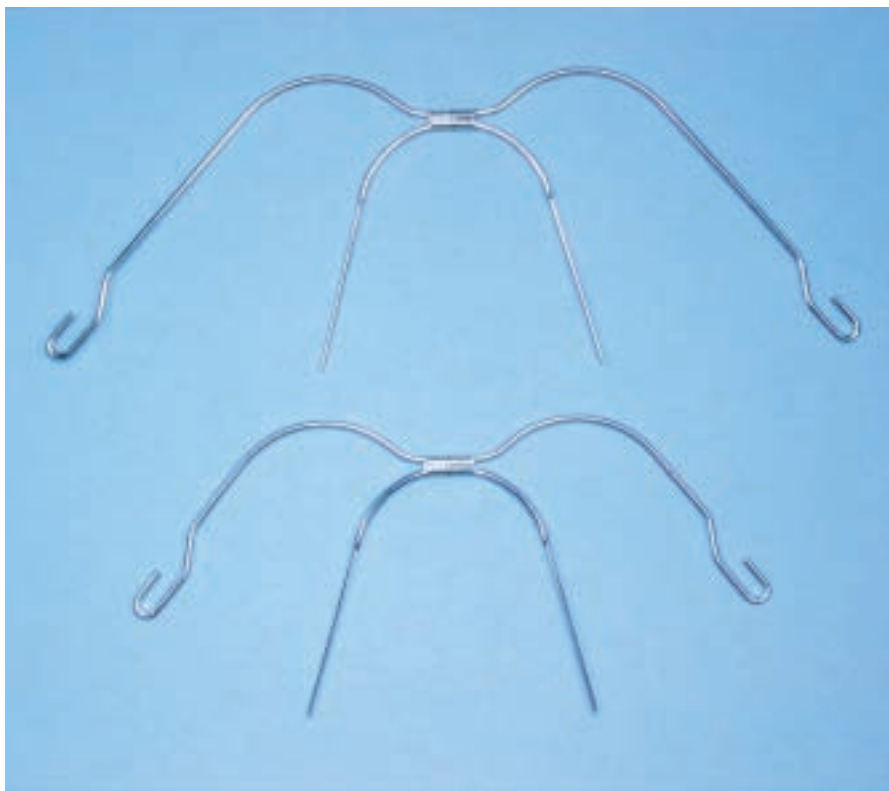
**M3050-00** without loop

**M3051-00** with loops

Packs of 10

## Lip bumper with loops and bayonet stops

size		pkg.		pkg.
1	<b>M3051-01</b>	1	<b>M3051-011</b>	10
2	<b>M3051-02</b>		<b>M3051-012</b>	
3	<b>M3051-03</b>		<b>M3051-013</b>	
4	<b>M3051-04</b>		<b>M3051-014</b>	
5	<b>M3051-05</b>		<b>M3051-015</b>	



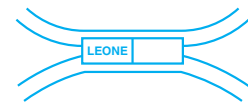
## Extraoral facebows

Made entirely of biomedical spring stainless steel wire with single piece inner bow. Breakage resistant laser welded bow joint, with total absence of solder, to prevent from eventual allergic reactions due to the presence of two metals.

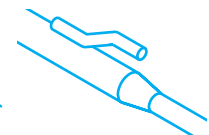
Midline clearly marked.

The outer bow is available in two lengths. Bright electro-polishing for maximum hygiene.

**Caution:** all extra oral facebows have to be used with Leone safety release modules M0810.



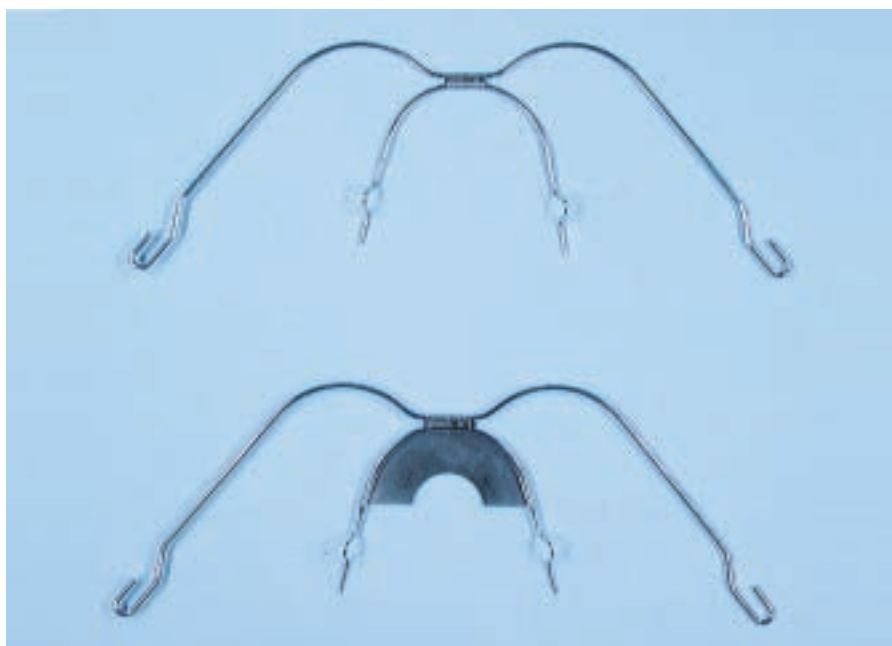
midline clearly marked



hooks for elastics

	outer arch diameter		standard facebow				standard facebow with hooks for elastics				
	mm	mm	inch		pkg.		pkg.		pkg.		pkg.
long outer arch	1,80	1,14	.045	<b>M4800-00</b>	1	<b>M4800-001</b>	10	<b>M4801-00</b>	1	<b>M4801-001</b>	10
short outer arch				<b>M4830-00</b>		<b>M4830-001</b>		<b>M4831-00</b>		<b>M4831-001</b>	

# extraoral facebows and accessories



## Extraoral facebows

Made entirely of biomedical stainless steel wire, 1,80 mm in diameter, with single piece inner bow, 1,14 mm (.045") in diameter.

Breakage resistant laser welded bow and bite joints, 0,5 mm thick, with total absence of solder, to prevent from eventual allergic reactions due to the presence of two metals.

Bright electro-polishing for maximum hygiene.

**Caution:** all extraoral facebows have to be used with Leone safety spring release modules M0810.

## With preformed loops

d = intermolar width from loop to loop in millimeter	size	long outer bow				short outer bow				
			pkg.		pkg.		pkg.		pkg.	
	83	1	M4805-01	1	M4805-011	10	M4835-01	1	M4835-011	10
	90	2	M4805-02		M4805-021		M4835-02		M4835-021	
	97	3	M4805-03		M4805-031		M4835-03		M4835-031	
	104	4	M4805-04		M4805-041		M4835-04		M4835-041	
	111	5	M4805-05		M4805-051		M4835-05		M4835-051	

## With preformed loops and hooks for elastics

d = intermolar width from loop to loop in millimeter	size	long outer bow		
			pkg.	
	83	1	M4806-01	1
	90	2	M4806-02	
	97	3	M4806-03	
	104	4	M4806-04	
	111	5	M4806-05	



## With bite and preformed loops

d = intermolar width from loop to loop in millimeter	size	with bite plane hard stainless steel		with bite plane soft stainless steel	
			pkg.		pkg.
	83	1	M4808-01	M4808-11	1
	90	2	M4808-02	M4808-12	
	97	3	M4808-03	M4808-13	
	104	4	M4808-04	M4808-14	
	111	5	M4808-05	M4808-15	

## M3620-01 Sleeve for extraoral facebows and headgears

Pack of 10

# extraoral facebows and accessories



## Extraoral facebows with single and double bite

Made entirely of biomedical stainless steel wire, 1,80 mm in diameter, with single piece inner bow, 1,14 mm (.045") in diameter. Breakage resistant laser welded bow and bite joints, 0,5 mm thick, with total absence of solder, to prevent from eventual allergic reactions due to the presence of two metals. Bright electro-polishing for maximum hygiene.

**Caution:** all extraoral facebows have to be used with Leone safety release modules M0810.

	standard		with hooks for elastics		with hooks and elastic retractor		pkg.
	with bite	with double bite	with bite	with double bite	with bite	with double bite	
hard stainless steel bite plane	<b>M4808-00</b>	<b>M4824-00</b>	<b>M4809-00</b>	<b>M4825-00</b>	<b>M4807-00</b>	<b>M4826-00</b>	1
soft stainless steel bite plane	<b>M4808-10</b>	<b>M4824-10</b>	<b>M4809-10</b>	<b>M4825-10</b>	<b>M4807-10</b>	<b>M4826-10</b>	



### M3307-00 Weldable stop for arches

Made of biomedical stainless steel. It is mostly used with intra oral arches and lip bumper. Just use a spot of a welding machine to fix it. For use with wire 1,14 mm (.045") in diameter.

Pack of 10



### M3714-00 Weldable advancement bite

Made of biomedical stainless steel. Its plain surface makes it to be welded to any stainless steel bite plane.

Pack of 1



### M3309-00 Facebow screw stop

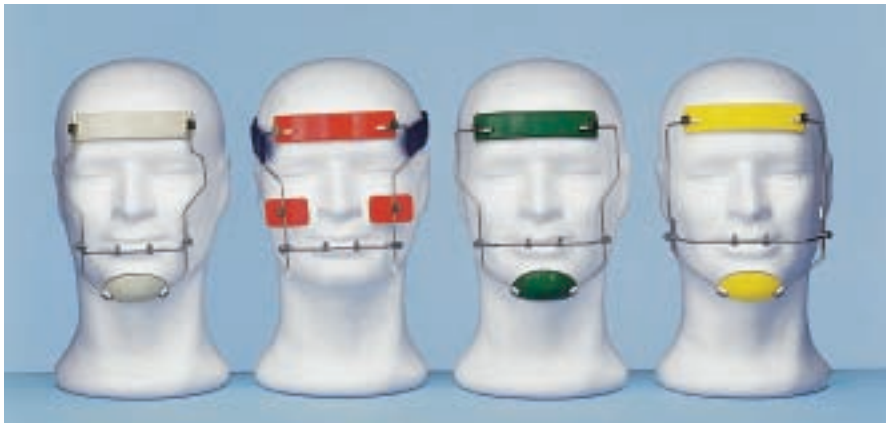
Made of stainless steel. For use with wire 1,14 mm (.045") in diameter.

Pack of 10

### M3309-95 Facebow screw stop kit

It includes: 50 stop screws and 1 screwdriver

# face masks



## Face mask

Used for treatment of maxillary insufficiencies, prognathism of the mandible and cleft palate. Reverse orthopaedic pull between maxilla and mandible facilitates orthodontic treatment afterwards. Made of stainless steel wire and non toxic acrylic, it can be adaptable to perform any individual size requirement with vertical or horizontal adjustment.

All attachments are locked by set screws in metal housings.

Face masks with zygomatic holds feature an adjustable blue strap band.

*Packs of: 1 face mask, 1 screw wrench, instructions for use into a white sleeve for patient.*

	beige	red	yellow	green
<b>small</b> with horizontal adjustment	<b>M0774-00</b>	<b>M0774-00R</b>	<b>M0774-00G</b>	<b>M0774-00V</b>
<b>small</b> with vertical adjustment	<b>M0774-01</b>			
<b>large</b> with horizontal adjustment	<b>M0776-00</b>	<b>M0776-00R</b>	<b>M0776-00G</b>	<b>M0776-00V</b>
<b>large</b> with vertical adjustment	<b>M0776-01</b>			
<b>with zygomatic holds</b>	<b>M0771-00</b>	<b>M0771-00R</b>	<b>M0771-00G</b>	<b>M0771-00V</b>
<b>universal adjustable</b>	<b>M0775-00</b>	<b>M0775-00R</b>	<b>M0775-00G</b>	<b>M0775-00V</b>

## Replacement parts

**M0777-00** Chin pad

**M0778-00** Forehead pad

*Packs of 1*

**M0779-00** Zygomatic hold pad

*Pack of 2*



## Dynamic face mask

**M0772-01** Blue

**M0772-01R** Red

Vertical adjustment.

*Packs of 1:*

*1 face mask, 1 adjusting wrench,*

*2 forehead pads,*

*2 chin pads and instructions for use*

## Elastics recommended

inner diameter	3/8"-9,5 mm	1/2"-12,7 mm
<b>strong</b> 8 oz-224 g	<b>K0935-08</b>	<b>K0936-08</b>
<b>extrastrong</b> 14 oz-392 g	<b>K0945-14</b>	<b>K0946-14</b>



## M0790-00 Headgear with chin cap

For correction of Class III malocclusions with prognathism of the mandible. Headgear and elastic tractions are fully adaptable; the chin cap in natural leather assures an ideal fit to any face. Colour: blue.

Pack of 1

### Replacement parts

**M0791-00** Chin cap

Pack of 1

**M0791-01** Elastics

Pack of 2



## Headgear for safety modules

High pull. Use with safety release spring modules only. It fits onto safety hooks of spring modules. Made of 100% cotton, hypoallergenic and washable with comfortable padding. Available in 3 sizes and 2 colours to provide patient's psychological compliance.

Packs of 1

	blue
<b>small</b>	<b>M0805-00</b>
<b>medium</b>	<b>M0805-10</b>
<b>large</b>	<b>M0805-20</b>

	pink
<b>small</b>	<b>M0805-00S</b>
<b>medium</b>	<b>M0805-10S</b>
<b>large</b>	<b>M0805-20S</b>



## Neck pad for safety modules

Low pull. Same as headgears both for use with safety modules and material. Available in 2 colours to provide patient's psychological compliance.

Packs of 10

**M0800-00S** Pink

**M0800-00** Blue

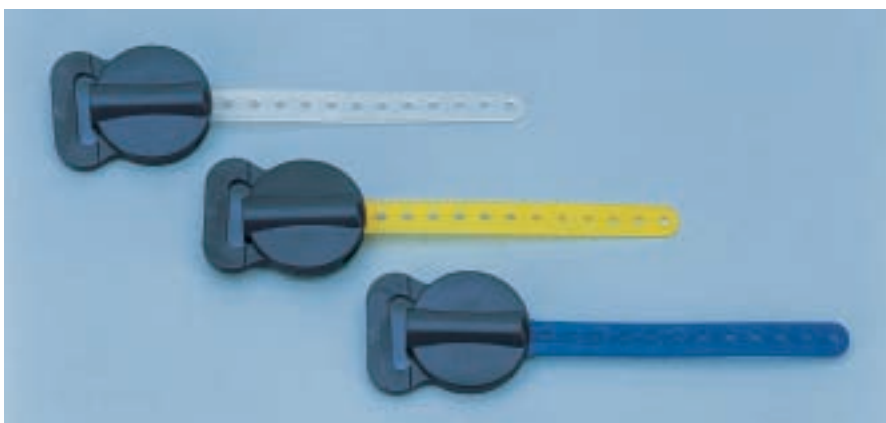
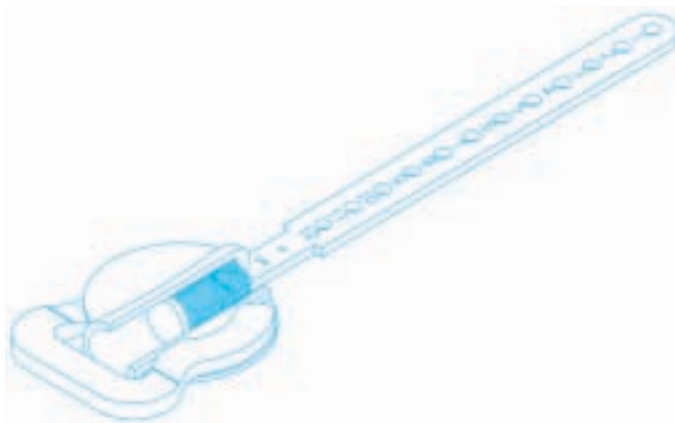


## M3613-00 Sleeve for face mask

For patient own face mask. White coloured, washable.

Pack of 10

# safety headgear system

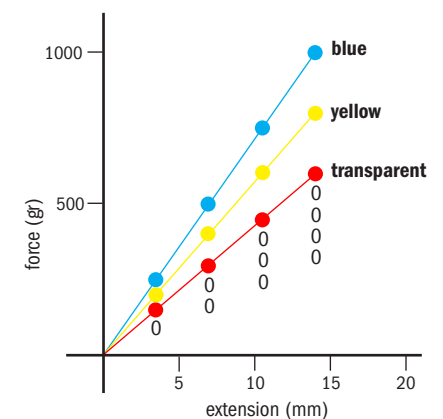


## Safety release modules

For use with the suitable headgear or neck pads only. Safety clasps disengage the spring strap when a pressure pull of 2 Kg each side has exceeded.

This system avoids dangerous slingshot rebound injuries of the facebow in case of disconnection from the tubes.

Coil springs are incorporated into the modules to provide constant traction force. Available in three colour-coded attachment straps showing the force level.



Traction force released by each module can be easily controlled: when 2 notch tension appears on the plastic strap under traction, 2/4 (two fourths) out of the total deliverable force of the spring is going to be released. Above diagram shows the pull forces released by each type of module.

## Safety release modules

	colour	
<b>light</b>	transparent	<b>M0810-01</b>
<b>medium</b>	yellow	<b>M0810-02</b>
<b>heavy</b>	blue	<b>M0810-03</b>

Packs of 10



# orthodontic mini implants



Mini orthodontic implants are made of stainless steel for surgical use, they don't induce osseointegration and are easy removable once the orthodontic movement has been achieved. The product is combined with specialized instruments and accessories.

**groove**  
*to facilitate the application  
of elastic chains, elastics etc.*



**no osseointegration**  
*made of surgical stainless steel,  
easy removable*

## ● SELF-DRILLING MINI IMPLANT

## ● SELF-TAPPING MINI IMPLANT

**sterile package**

**low head**      **high head**

**implant carrier and vial cap**  
*colour coded*

**self-drilling tip**  
*drill shaped*

**self-tapping coil**  
*maximum stability*



**hole**  
*for the application of elastic  
chains or coil springs*

# self-drilling mini implants

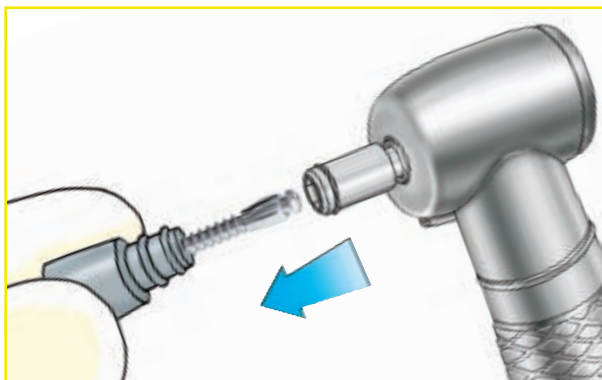


## Self-drilling mini implants - sterile

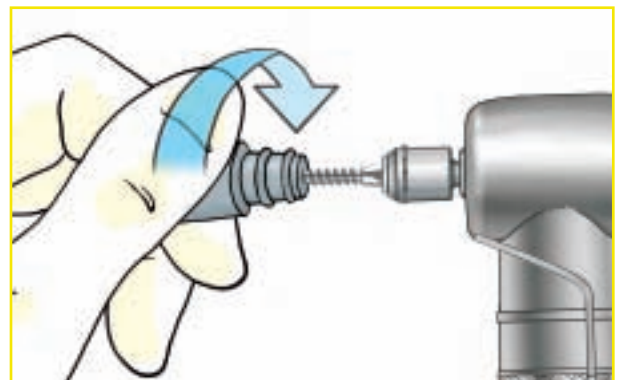
The special design of mini implants makes the insertion easy without the use of any hole pre-drilling. The endosseous portion of the self drilling mini implant features one apical portion (2 mm length) drill shaped to punch the bone and one threaded portion (1,75 mm in diameter and 6 mm length) with self-tapping coil for the anchorage to the bone. The head of the self-drilling mini implant is available in two transmucosal heights, it is mushroom shaped to facilitate appliance placement and coil springs. One stage, transmucousal and minimum invasive surgical technique is needed, with optimal primary stability for the immediate load of the orthodontic appliance. Self-drilling mini implants are supplied sterile, ready to use with the special handpiece adapter. The use of a surgical micromotor is recommended. In case of use of a contra-angle utilized in the dental office, a complete implant insertion might not be obtained: the employment of the Leone Implant System hand-instruments, such as the ratchet Cat. 156-1014-00 or the fan-type hand wrench Cat. 156-1015-00, could be necessary.

SELF-DRILLING MINI IMPLANTS			
	∅ mm	← mm	
 <b>low head</b>	1,75	8	<b>002-1708-01</b>
 <b>high head</b>		8	<b>002-1708-02</b>

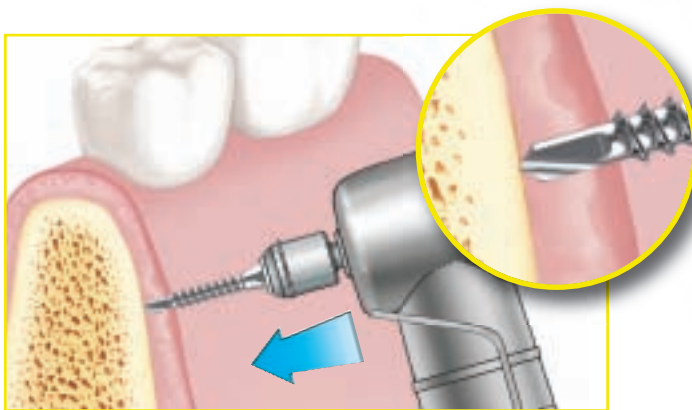
Packs of 1



**1** Remove the mini implant from the sterile vial by exerting a gentle traction on the implant cap and connect the handpiece adapter Cat. 080-1002-00 to the head of the mini implant.




**2** Once positioned into the adapter, remove the implant cap with a gentle counter clockwise rotary movement.



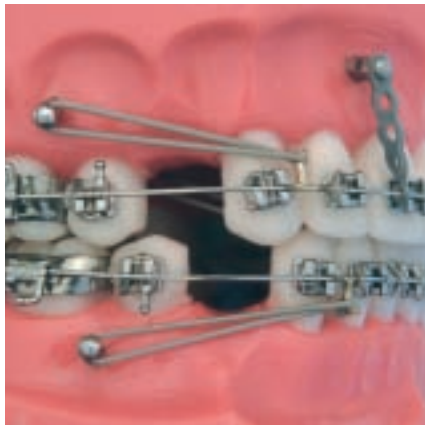
**3** Lean the drilling tip of the mini implant on the attached mucosa in the selected area. Exert a pressure gentle enough to punch the soft tissues till the cortical bone has been reached.



**4** Set the maximum speed on micromotor to 300 rpm and torque value to 40 Ncm. Start to drill the mini implant while irrigating abundantly with water. Immediately after having reached the cortical bone and as soon as the presence of a softer bone tissue has been detected, reduce the micromotor maximum speed to 50 rpm. Complete the insertion under these parameters.

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# orthodontic mini implants



## Orthodontic mini implants

Made of stainless steel for surgical use and easily removable once the orthodontic movement has been achieved. They are available either with low or high head, in two types: one with a passing hole on the head and another with a groove and the protruding portion like an orthodontic button to facilitate the application of chains, elastics or springs. A clinical procedures leaflet for the positioning of the Orthodontic Mini Implants may be downloaded from our web site [www.leone.it](http://www.leone.it)

Packs of 1

ORTHODONTIC MINI IMPLANTS			
	∅ mm	↔ mm	
	1,5	8	<a href="#">000-1508-02</a>
		10	<a href="#">000-1510-02</a>
		12	<a href="#">000-1512-02</a>
	2	8	<a href="#">000-2008-02</a>
		10	<a href="#">000-2010-02</a>
		12	<a href="#">000-2012-02</a>
	1,5	8	<a href="#">000-1508-01</a>
		10	<a href="#">000-1510-01</a>
		12	<a href="#">000-1512-01</a>
	2	8	<a href="#">000-2008-01</a>
		10	<a href="#">000-2010-01</a>
		12	<a href="#">000-2012-01</a>

ORTHODONTIC MINI IMPLANTS WITH GROOVE			
	∅ mm	↔ mm	
	2	6	<a href="#">001-2006-02</a>
		8	<a href="#">001-2008-02</a>
		10	<a href="#">001-2010-02</a>
		12	<a href="#">001-2012-02</a>
	2	6	<a href="#">001-2006-01</a>
		8	<a href="#">001-2008-01</a>
		10	<a href="#">001-2010-01</a>
		12	<a href="#">001-2012-01</a>



### 001-0001-24

## Orthodontic mini implant kit

The package contains: 24 mini implants, 2 pieces each length and diameter available with low and high head, 4 drills, 1 screwdriver.

### 001-0002-24

## Orthodontic mini implant with groove kit

The package contains: 24 mini implants with groove, 3 pieces each length available with low and high head, 2 drills, 1 screwdriver, 1 adapter Cat. 080-1003-00, 1 circular punch, 1 adapter Cat. 080-1002-00.

## Drills for orthodontic mini implant

	∅ mm	↔ mm	
	1,1	12	<a href="#">090-1134-00</a>
	1,3		<a href="#">090-1334-00</a>
	1,5		<a href="#">090-1534-00</a>
	1,7		<a href="#">090-1734-00</a>



### 080-1000-01 Screwdriver for orthodontic mini implants

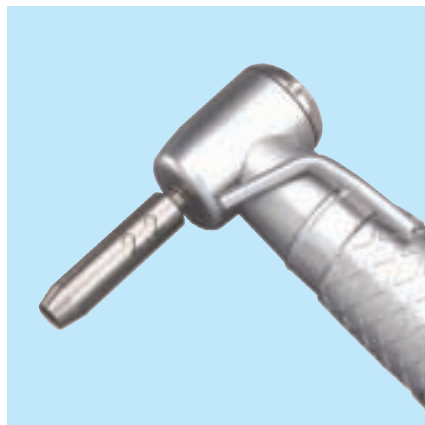
### 080-1000-22 Replaceable tip

# instruments for orthodontic mini implants



## 080-1001-00 Mucotome for orthodontic mini implants

Circular scalpel to be attached to the handle of the screwdriver Leone Cat. 080-1000-01 for mini implants. With a diameter slightly larger than the head of the mini implants, the scalpel allows to prepare a suitable hole, without the need of any suture afterwards.



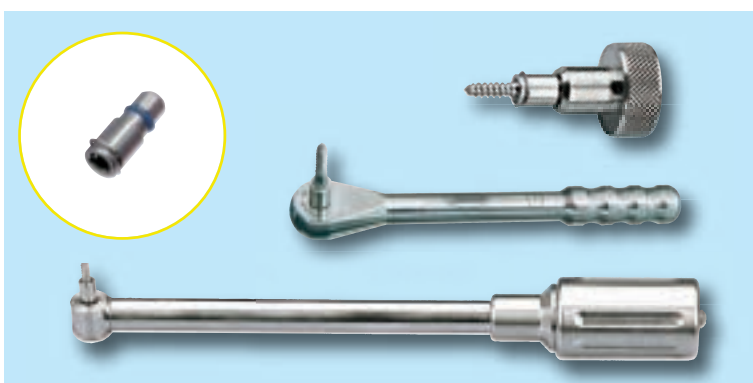
## 080-1001-01 Circular scalpel for contra-angle

Designed for the insertion of orthodontic mini implants. Made of titanium surgical grade. It is used with low speed contra-angle allowing the creation of a suitable hole in the attached mucosa.  
Diameter 2,2 mm



## 080-1002-00 Handpiece adapter

For use with the contra-angle for the insertion of mini implants also in difficult access areas.



## 080-1003-00 Adapter for screwdriver and instruments

For use with screwdrivers Cat. 156-1001-00, Cat. 156-1001-01, ratchet Cat. 156-1014-00 and the angled key Cat. 156-1005-00 of the Leone Implant System in the application of mini implants in posterior or difficult access areas.



## Fan-type hand wrench

Made of stainless steel and anodized aluminium. With hexagonal hole matching the mini implant's head. Sidewise it presents a hole for the insertion of a safety leash. It is necessary to complete the insertion of the mini implant into the implant site. Supplied non-sterile, sterilize under autoclave prior to initial use (Cat. 156-1015-00).



# pliers and instruments



# pliers and instruments



Leone offers a wide selection of pliers and orthodontic instruments, some of which are marked with the red symbol \*\*\* to underline their quality.

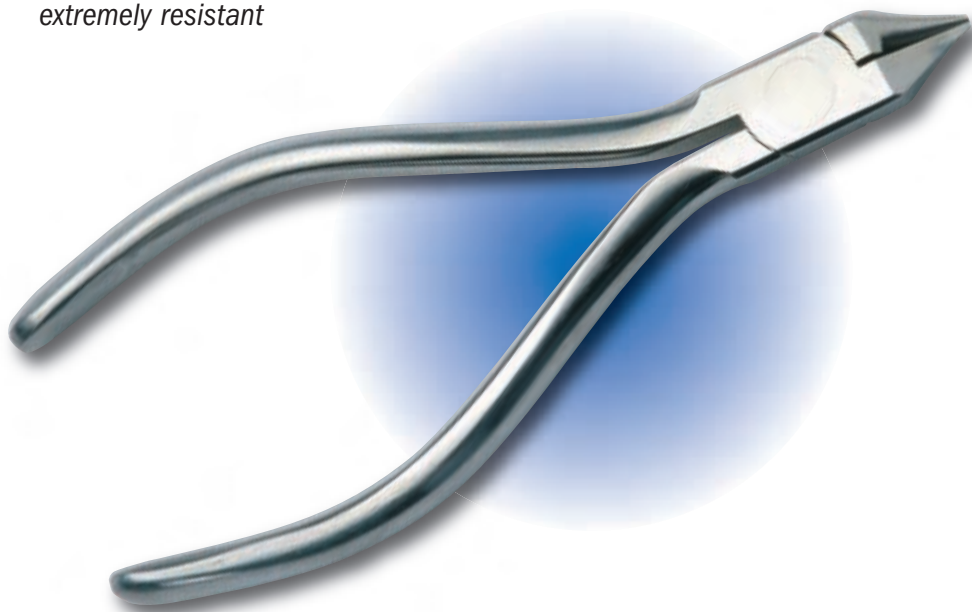
These instruments are made of stainless steel of a superior strength and guaranteed against any kind of sterilization processes.

Hard metal cutting inserts and tips are gold brazed to the plier body to afford longer instrument life.

Shape and screw joints are ergonomically designed to meet any orthodontic requirement.

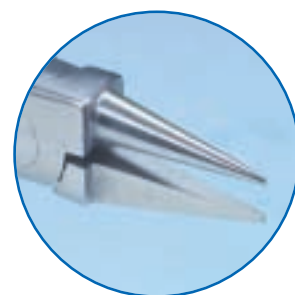
**\*\*\* cutting inserts and tips**  
*made of hard metal*

**\*\*\* stainless steel**  
*extremely resistant*



**\*\*\* shape and screw joint**  
*ergonomically designed  
to meet any orthodontic  
requirement*

**\*\*\* gold brazing**  
*for longer instrument life*



# loop forming pliers



**P1900-00** \* \* \*  
**Bird beak plier**  
**angle style**

Necessary for working round wires up to .032" (0,80 mm) in diameter. The beaks are .040" at the tip. A 9° angle is ground on the sides of pyramid beak to allow for wire springback. Beaks are parallel at .020" (0,51 mm) plier opening.



**P1901-00** \* \* \*  
**Loop forming plier**  
**Tweed style**

A plier designed for making loops in round or rectangular wires up to .022"x.028" (0,56x0,71 mm). The cylindrical beak has three sections: .045" (1,14 mm), .060" (1,52 mm), .075" (1,90 mm).

**P1450-00**  
**Replacement tips for P1901-00**



**P1902-00** \* \* \*  
**Loop forming plier**  
**Tweed style**

For forming loops in wires up to .022" (0,56 mm).



**P1352-00**  
**Flat-tapered plier**  
**Tweed style**

With tapered beaks to form small sized loops and springs.



**P1903-00**  
**Young style plier**

For wires up to .040" (1,02 mm).

# loop forming pliers



**P1904-00** \* \* \*  
**Light wire plier**

Longer and more tapered beaks than Angle plier.  
Excellent for bending small diameter loops.  
For wires up to .018" (0,46 mm).



**P1130-00**   
**Hollow-chop plier**

For contouring the archwire and forming cuspid offsets.



**P1073-00**  
**Loop closing plier**  
**Nance style**

With 4 sectioned tip for forming various size loops in rectangular and round wires.  
For wires up to .028" (0,71 mm).



**P1154-00**   
**Medium wire plier**  
**optical style**

For wires up to .028" (0,71 mm).



**P1155-00**   
**Heavy wire plier**  
**optical style**

For forming loops in hard clasp wires or labial arch wires up to .032" (0,8 mm).





**P1905-00** \* \* \*  
**Rectangular arch plier  
short jaw Tweed style**

For use with square or rectangular wires. The blades are designed to be parallel at .020" (0,51 mm) plier opening. Working edges are carefully bevelled with a diamond hone to prevent wire scoring.



**P1906-00** \* \* \*  
**Three jaw plier  
Aderer style medium**

For wires up to .036" (0,91 mm).



**P1075-01** \* \* \*  
**Three jaw plier  
Aderer style thin**

For round wires up to .020" (0,51 mm) and rectangular up to .021"x.025" (0,53x0,64 mm).



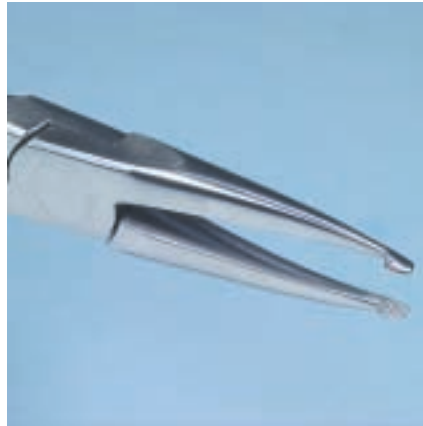
**P1621-00**  
**Instrument  
for endoral activation**

# specialty and utility pliers



**P1907-00** \* \* \*  
**How style plier straight**

The 3/32" (2,4 mm) gripping pads are serrated and shaped so that their centre line coincides with the axis of rotation of the plier.  
Beaks are rounded to be completely lip safe.



**P1908-00** \* \* \*  
**How style plier straight**

Exactly the same as P1097-00.  
With 1/8" (3,2 mm) gripping pads.



**P1909-00** \* \* \*  
**How style plier offset**

Exactly the same as P1908-00 with tips incorporating a 45° offset angle.



**P1910-00** \* \* \*  
**Weingart style plier**

Classical design, the tips are carefully rounded to make this plier completely mouth safe.  
Useful for removal of ceramics.



**P1912-00** \* \* \*  
**Arch forming  
and contouring plier**

With three grooves, for wires .016", .018" and .022".



**P1913-00** \* \* \*  
**Arch forming plier**

Without grooves.

# distal end cutters and specialty pliers



## P1916-00

\* \* \*

### Distal end cutter with safety hold

The particular design of this cutter allows distal end archwires be cut in the patient mouth safely. It cuts the wire and then safely holds the loose distal end.

**Caution:** maximum cutting capacity:  
rectangular wire up to .022"x.028" (0,56x0,71 mm);  
round wire up to .020" (0,51 mm);  
twist wire up to .016" (0,41 mm).



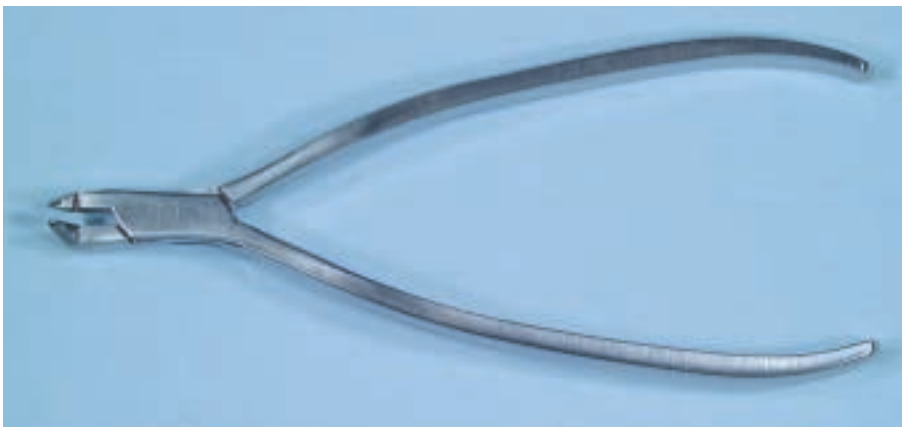
## P1915-00

\* \* \*

### Distal end cutter with safety hold

The small dimensions do not interfere with quality. It cuts archwires and safely holds the loose distal end.

**Caution:** maximum cutting capacity:  
rectangular wire up to .022"x.028" (0,56x0,71 mm);  
round wire up to .020" (0,51 mm);  
twist wire up to .016" (0,41 mm).



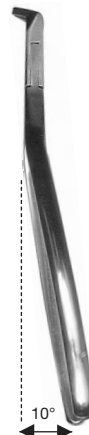
## P1914-00

\* \* \*

### Micro distal end cutter with safety hold long handles

The retracted position of 10° angled hand grip affords a wider view in the oral cavity.

**Caution:** maximum cutting capacity:  
rectangular wire up to .022"x.028" (0,56x0,71 mm);  
round wire up to .020" (0,51 mm);  
twist wire up to .016" (0,41 mm).



## P1911-00

\* \* \*

### Surgical hook and stop screw crimping plier

A plier designed to crimp surgical hooks in the archwire. It can also be used for fixing round or rectangular stops..



## P1917-00 Hard wire cutter

\* \* \*

For cutting orthodontic wires for fixed technique any size.

**Caution:** maximum cutting capacity:  
rectangular wire up to .022"x.028" (0,56x0,71 mm);  
round wire up to .020" (0,51 mm).



## P1918-00 45° offset ligature cutter

\* \* \*

45° offset for easy access to posterior areas thus eliminating any cheek impingement.

**Caution:** maximum cutting capacity:  
ligature wire up to .014" (0,36 mm).



## P1919-00 Miniature ligature cutter

\* \* \*

For soft wires.

**Caution:** maximum cutting capacity:  
ligature wire up to .014" (0,36 mm).



## P1099-00 Heavy duty cutter

For hard wires up to 1,5 mm.

# direct bonding bracket and band removing pliers



**P1920-00** \* \* \*  
**D.B. bracket removing plier**

It guarantees comfort of the patient. The sharp beaks fit under bracket flange and remove it with ease.

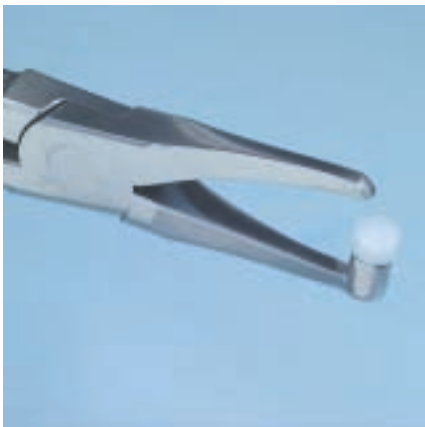


**P1921-00** \* \* \*  
**D.B. bracket removing plier**

Designed to remove bonded brackets easily. The sharp beak fits under bracket flange and removes it with ease. It will also remove adhesive from the tooth.

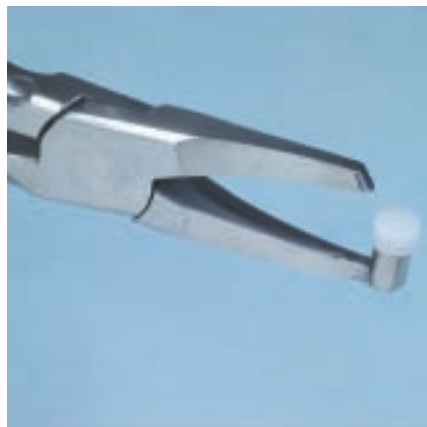
**P1451-00**  
**Metal tip**  
for P1921-00

**P1452-00**  
**Vinyl tube - 15 cm**  
for P1921-00



**P1922-00** \* \* \*  
**Posterior band**  
**removing plier long**

Necessary for removal of posterior bands. A plastic padded tip and a sharp removing beak allow, with a slight pressure, high precision band removal.



**P1923-00** \* \* \*  
**Posterior band**  
**removing plier short**

Same design and function as P1922-00 but with a short beak for a better occlusal support.

**P1453-00**  
**Replacement pad**  
**3/16" (4,8 mm)**  
for P1922-00 - P1923-00



**P1403-00**  
**Wrench for Classix™ pliers**

For plier joint.

# laboratory pliers



**P1530-00** \* \* \*  
**Laboratory plier Adams style**

Tungsten carbide inserted large tips. Necessary for bending wires in the laboratory. A round cone tip of 1,3 mm and a pyramid beak of 1,4 mm. For wires up to 1,5 mm. Excellent for Crozat technique.



**P1034-00** \* \* \*  
**Three jaw plier round**

Very sturdy, does not score wires. Suitable for bending the arms of expanders. For wires up to 1,5 mm.

**P1034-93** \* \* \*  
**Three jaw plier round with P1620-01**



**P1099-00**  
**Heavy duty cutter**

For hard wires up to 1,5 mm



**P1162-00**  
**Universal plier**

Extremely tapered design. For wires up to 0,9 mm.



**P1163-00**  
**Universal plier**

Classic design. For wires up to 0,9 mm.



**P1097-00**  
**Adams clasp forming plier Nance style**

For forming Adams clasps and small stops in the archwires. For wires up to 0,7 mm.



# Classix™ pliers and cutters



**Classix™** pliers and cutters are manufactured with the most advanced manufacturing technology available and superior quality material. They are coming from the demand to offer instruments featured by a good quality-price ratio. A range of 10 instruments has been selected to meet any orthodontic basic requirement.

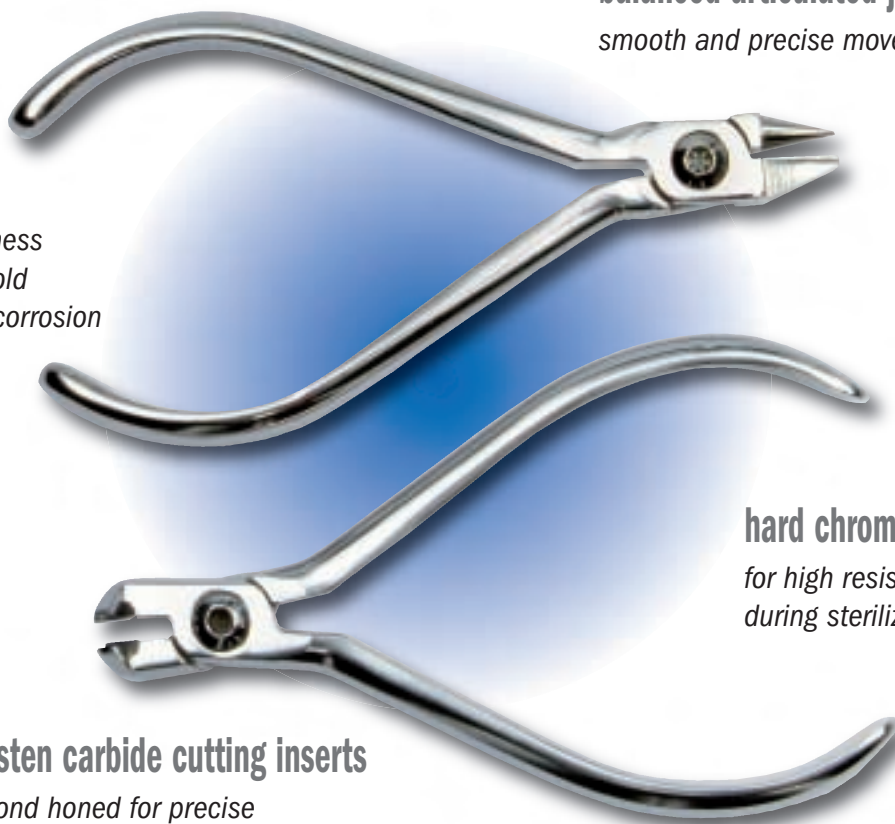
**Classix™** pliers and cutters are manufactured with a special and superior hard steel to afford an optimal wire hold and resistance to corrosion of tips.

All **Classix™** instruments feature a special inner balanced joint allowing a smooth and precise, long lasting movement.

**Classix™** cutters' cutting edges have tungsten carbide inserts, diamond honed for precise cutting of wires and pliers' long lifetime.

All cutters are entirely hard chrome finished for high resistance during sterilization.

**Classix™** instruments feature ergonomic handles and smooth rounded surfaces to allow the orthodontist for easy handling and best operational precision.



**balanced articulated joint**

*smooth and precise movement*

**special steel**

*superior hardness  
perfect wire hold  
resistance to corrosion*

**hard chrome finish**

*for high resistance  
during sterilization*

**tungsten carbide cutting inserts**

*diamond honed for precise  
wire cutting and long-lasting results*

**ergonomic handles**

*smooth edges  
for easy guidance*

# Classix™ pliers and cutters



## P2101-00

### Bird beak plier Angle style

Necessary for working round wires up to .045" (1,14 mm).

Beaks are only .025" (0,64 mm) at the tip to bend loops and omega loops, even small ones. A 10° angle is ground on the sides of the rectangular beak to compensate for wire spring-back in the modelling stage.

Beaks are parallel at .020" (0,51 mm) plier opening and diamond honed to prevent wire scoring.



## P2102-00

### Omega loop forming plier Tweed style

Concave beak is contoured for making more uniform omega loops with ease. The round beak has three sections: .045" (1,14 mm), .060" (1,52 mm), .075" (1,90 mm) and made of a hard electro etched alloy to prevent wire slippage. Tip can be easily replaced with the use of the allen wrench.

## P2000-01 Replacement tips for P2102-00

*Pack: 2 tips and 1 wrench*



## P2103-00

### Three-jaw plier

The central beak is precision aligned and when the plier is closed, it fits over the level of the two lateral beaks to form bends more acute than 90°.

The tips are slightly tapered and diamond honed to prevent wire scoring.

For round wires up to .036" (0,9 mm). It allows the activation of quad helix, palatal bars etc. in the oral cavity as well.



## P2104-00

### Utility plier Weingart style

The tips are shaped to firmly hold wires and devices and perfectly angled to enhance the visibility of the operative field.

The two beaks are diamond honed to make it lip safe.



## P2105-00

### Band removing plier

When the plier is closed, the non-padded remover tip does not get in contact with the acetabular resin pad: this allows it to make lever on the tube or the accessory, or on the edge of the band facilitating the safe removal from the mouth.

## P2000-02 Replacement pad 3/16" (4,8 mm) for P2105-00





## P2106-00 D.B. bracket removing plier

The tapered tips wedge between both edges of the base of the bracket and the tooth surface: by slightly lifting off, the bracket is easily removed without any damage to the enamel. Useful also for removal of ceramic brackets.



## P2107-00 Rectangular arch forming plier Tweed style

For handling square or rectangular wires, torqueing and forming precision bends. The beaks are designed to be parallel at .020" (0,51 mm) plier opening and diamond honed to prevent wire scoring.



## P2108-00 Distal end cutter with safety hold

Designed for cutting the excess of distal wire and holding the loose archwire safely. The special design and the accurate sharpening of the cutting edges make it to be functional with either thin or coaxial wires.

**Caution:** maximum cutting capacity: round wires .020" (0,51mm)  
rectangular wires .022"x.028" (0,56x0,71 mm).



## P2109-00 Hard wire cutter

The hard structure, the quality of the cutting edge sharpening allow the use of it with any size and type of wires for fixed orthodontics.

When closed, the working ends match at the tip only in order to assure a precise handling with any archwire size.

**Caution:** maximum cutting capacity: round wires .020" (0,51mm)  
rectangular wires .022"x.028" (0,56x0,71 mm).



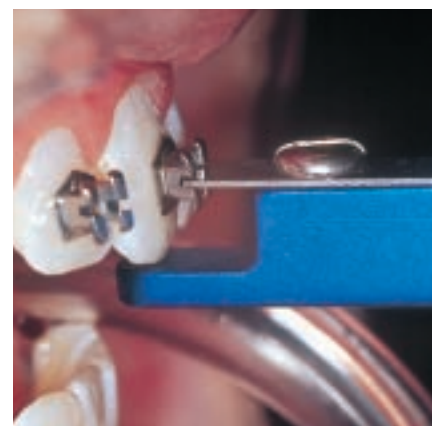
## P2110-00 Ligature cutter

The tips are 15° angled for better field vision near the bracket's tie wings.

The cutting inserts have wide backing ledges to guarantee the maximum anchorage to the body of the instrument.

**Caution:** maximum cutting capacity:  
round wires .015" (0,38 mm)

# direct bonding instruments



## Universal bracket positioning gauges

Made of anodized aluminium and stainless steel. Autoclavable.  
Used with either .018" or .022" slot brackets.

- P1601-00** green size 2 - 2,5 mm
- P1602-00** red size 3 - 3,5 mm
- P1603-00** blue size 4 - 4,5 mm
- P1604-00** purple size 5 - 5,5 mm

**P1600-95** Assorted kit of 4



## **P1509-00** Stainless steel universal bracket altimeter

A small device for measurement of the right height of bracket slots.



## **P1026-00** D.B. bracket tweezers

It holds any type of bracket, from a wide twin to a single one.  
Self-locking of the bracket and release by pressure.  
Several tweezers can be pre-loaded with brackets to bond them one after the other.



**P1098-00**  
Utility instrument



**P1520-00**  
Screwdriver

For use with micro spring screws  
Tip of 1,5 mm.



**P1630-00**  
Modelling spatula Le Cron style



**P1090-00** \* \* \*  
Cap remover for convertible tubes

It makes the conversion of rectangular tube easy when banding of the second molar is required. Autoclavable.

**P1090-01**  
Replaceable tips P1090-00

Pack of 2



# band seating instruments



**P1001-01**

## Band driver offset tip

\* \* \*

Fully made of stainless steel.  
For placement and adjustment of bands. Activation is ease in all positions.  
Seating pressure range 80 up to 1000 g.

**P1000-01**

## Band driver straight tip

\* \* \*

Exactly the same as P1001-01 but with straight tip.



**P1002-01**

Replacement tip  
for P1001-01

**P1003-01**

Replacement tip  
for P1000-01



**P1077-00**

## Mershon band adapter



**P1093-00**

## Band adapter

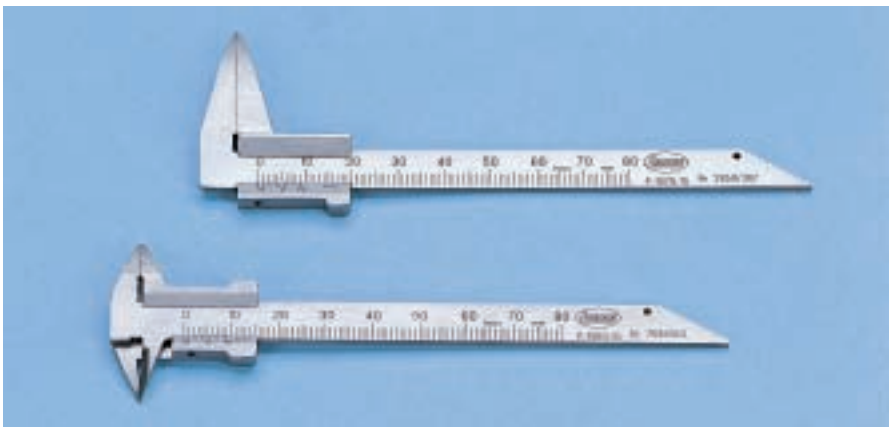


## P1025-00 Dynamometer

\* \* \*

High precision gauge for measuring tensile and compression forces exerted by springs and elastics for a maximum range of 16 oz (0,4536 Kg).

It is calibrated with 1 oz. single line and 4 oz double line increments.



## Dental verniers

**P1078-15** Long tips

**P1560-15** Double tips  
Specific for inner  
and outer measurements.



## 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 anodised aluminium handle joined to the tempered steel tube assures a firm grip to get accurate bends.



## P1620-01 Arm bending instrument for expanders

Ideal to bend the expander's arms with ease and precision.



## Turret for forming rectangular or round archwires

For forming arch wires with or without torque adjustment.  
Available in six different versions and colours.  
The wire slotted body is made of stainless steel.



**P1167-00**  
**Turret - blue**

\*\*\*

For forming rectangular arch wires  
.016" up to .0215".



**P1266-00**  
**Turret - black**

\*\*\*

For forming rectangular arch wires with  
torque adjustments:  
0° - 10° - 16° - 23°.  
For use only with wire: .016"x.022".



**P1168-00**  
**Turret - gold**

\*\*\*

For forming rectangular arch wires with  
torque adjustments:  
0° - 7° - 10° - 13° - 16°.  
For use only with wire: .018".



**P1267-00**  
**Turret - purple**

\*\*\*

For forming rectangular arch wires with  
torque adjustments:  
0° - 10° - 16° - 23°.  
For use only with wire: .016"x.016".



**P1170-00**  
**Turret - silver**

\*\*\*

For forming rectangular arch wires with  
torque adjustments:  
0° - 7° - 10° - 13° - 16°.  
For use only with wire: .022".



**P1169-00**  
**Turret - green**

\*\*\*

For forming round arch wires:  
.014" - .016" - .018" - .020".



**P1505-01** \* \* \*  
**Twister**  
 for preformed ligature ties  
 K4430-25 and K4480-30

Fully made of stainless steel.  
 Push the back button to insert the preformed ligature tie.  
 It makes position and final ligation easy.



**P1576-00**  
**Ligature and archwire tucker**

Useful for insertion of the arch wire into bracket slot.  
 It is also used to tuck metal ligatures and to apply elastic chains.



**P1506-00**  
**Instrument for F1000 self-ligating brackets**

It allows for arch wire engagement by holding the wire into the slot. With a gentle pressure it also drives the appendix of the ligation cover to full closing.



**P1139-00**  
**Ligature tucker**

Double ended for placement or removal of elastics.  
 Necessary for tucking metal ligatures.



**P1500-00**  
**Elastic ligature threader**

It facilitates placement of elastic ligatures under bracket tie wings.



Courtesy of Prof. Federico Tenti,  
 Author of "Guida alla scelta ragionata degli apparecchi ortodontici e rimovibili" distributed by Caravel.

# ligating instruments and lip retractor



**Ligature tying plier  
Mathieu style**

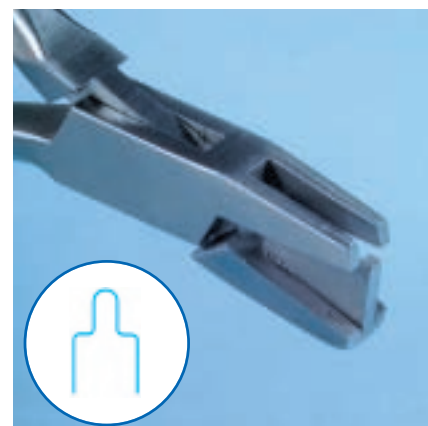
**P1160-00** Tips 2,5 mm

**P1161-00** Tips 1,5 mm



**P1141-00  
Separator placing plier**

For use with radio opaque separators K6378-00.



**P1142-00  
Ligature wire forming plier**

For soft wires up to .014" (0,36 mm).



**P1089-00  
Mosquito forceps offset**

**P1088-00  
Mosquito forceps straight**



**Lip retractor**

**P3000-01** Transparent  
**P3000-02** Fluorescent yellow

Well tolerated by patient, it allows an excellent visibility and ease of use. The plastic retractors are connected by a sturdy steel bridge which does not interfere with the field of vision. Necessary with the direct bonding technique and for taking oral photographs. Autoclavable.



**P3000-91  
Lip retractor kit**

*Kit content: 3 couples of transparent retractors, 2 couples of yellow retractors and 2 bridges.*





office and laboratory  
supplies

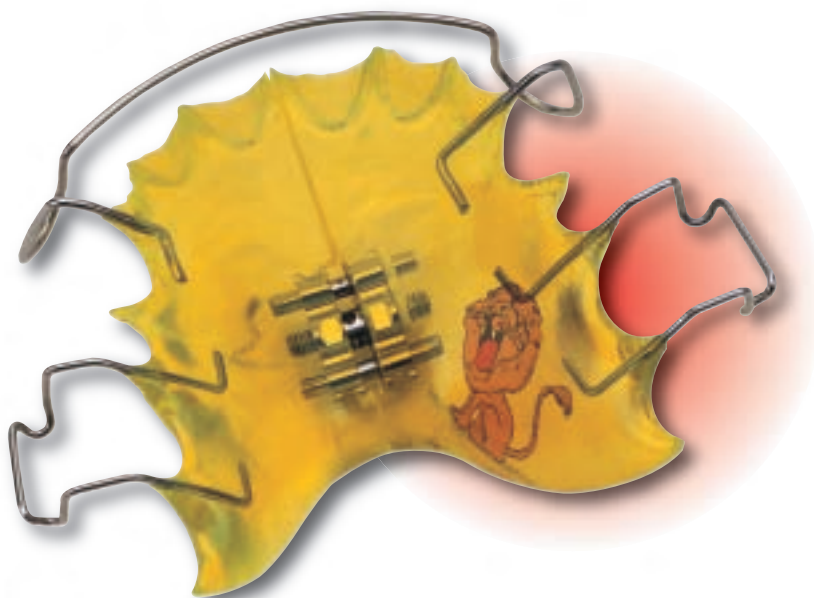
# office and laboratory supplies



Our **LEOCRIL**® Arcobaleno range of products is composed of an outbreak of colours to be mixed each other, fluorescent additive and glitters, accessories and **a series of coloured motifs to be inserted in the appliance** which will make the little patients more motivated.



- **diversified particle size of the powder for easy mixing**
- **low residual of free monomer**  
*to get bubble free polymerized acrylic plates*
- **prolonged processing time**  
*for careful works without any exothermic reaction*
- **extremely reduced shrinkage of the two components**  
*accurate fit of the prostheses in the mouth*
- **utmost precision**  
*excellent friction of the expansion screws is guaranteed*
- **special hardness**  
*for easy polished surfaces*





## LEOCRIL® orthodontic self-curing acrylic resin

Specific for orthodontic use, either for spray-on or doughing techniques. The special composition of liquid monomer has careful processing properties, without priming of the curing process (exothermic reaction) which may cause an undesired evaporation of monomer. The use of a Leone hydroflask or pressure pot for polymerization at 40° C with a pressure of 2,5 Atm for 20 minutes is suggested. Hard and perfectly finished plates are obtained as no otherwise possible with other methods.

### Regular kit

- R6222-95** A - clear  
A - clear liquid  
clear powder
- R6223-95** B - transparent pink  
B - transp. pink liquid  
clear powder

*The kit includes:  
1 Kg powder, 0,5 lt liquid, spray flasks for powder/liquid, funnels, beakers and insulator.*

### Introductory kit

- R6202-93** A - clear  
A - clear liquid  
clear powder
- R6203-93** B - transparent pink  
B - transp. pink liquid  
clear powder

Necessary in the dental office.

*It includes: 60 g powder and 45 ml liquid.*



### LEOCRIL® liquid monomer

*The package of 6 lt is composed of 3 bottles of 2 lt each for better handling of product*

colour		pkg.	
clear	A	0,5 lt	<b>R6122-00</b>
		6 lt	<b>R6142-01</b>
pink transp.	B	0,5 lt	<b>R6123-00</b>
		6 lt	<b>R6143-01</b>



### LEOCRIL® powder polymer

Clear colour.

**R6032-00** Package of 1 Kg

**R6042-00** Package of 10 Kg

# acrylic resin



## LEOCRYL® "Arcobaleno" orthodontic self-curing resin

"Arcobaleno" **LEOCRYL**® method allows the construction of coloured and personalized appliances for a better psychological motivation of the patient.

It includes:

- 1 colour guide with ten coloured plates, 1 fluorescent, 1 glitters and 1 transparent. Each plate is marked with a letter for easy choice of the liquid
- ready-to-use **LEOCRYL**® coloured liquids each marked by a letter
- 1 range of 28 funny motifs for use with the acrylic plate
- 1 fluorescent additive which makes the appliance visible in the dark
- coloured glitters giving a "metallic" effect to the plates.

## LEOCRYL® "Arcobaleno" - liquid

			pkg.		pkg.
red	D	R6124-00	250 ml	R6134-00	0,5 lt
purple	E	R6125-00		R6135-00	
magenta	F	R6126-00		R6136-00	
orange	G	R6127-00		R6137-00	
fluorescent yellow	H	R6128-00		R6138-00	
green	I	R6129-00		R6139-00	
turquoise	L	R6130-00		R6140-00	
blue	M	R6131-00		R6141-00	

## R6000-93

### LEOCRYL® "Arcobaleno" assorted kit

*It includes: 2 Kg clear Leocryl powder, 8 coloured liquids, 8 spray flasks for liquid, 5 packs of glitters, 1 pack of fluorescent additive, funnels, 1 coloured motifs for plates kit and 10 colour guides.*

## Accessories

<b>R4401-00</b>	Spray flask for powder	<b>R4406-00</b>	Funnel for powder
<b>R4402-00</b>	Spray flask for liquid	<b>R4407-00</b>	Brush
<b>R4403-00</b>	Large beaker	<b>R4408-00</b>	Spray nozzle for powder/liquid
<b>R4404-00</b>	Small beaker	<b>R4409-00</b>	Spray needle for liquid
<b>R4405-00</b>	Funnel for liquid	<b>R4410-00</b>	Arrows

## R6000-00

### LEOCRYL® "Arcobaleno" colour guide

Colours shown are only indicative. Colours may slightly change compared to those obtained with **LEOCRYL**® acrylic resin.

# acrylic resin accessories



## R4401-93 Coloured motif for plates assorted kit

It includes 28 different motifs, one positioning tweezers and illustrated pamphlet for patient choice.

Assorted kit of 280

### Refills of motifs

Packs of 10



R4401-01



R4401-02



R4401-03



R4401-04



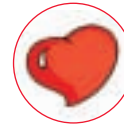
R4401-05



R4401-06



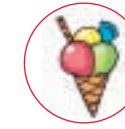
R4401-07



R4401-08



R4401-09



R4401-10



R4401-11



R4401-12



R4401-13



R4401-14



R4401-15



R4401-16



R4401-17



R4401-18



R4401-19



R4401-20



R4401-21



R4401-22



R4401-23



R4401-24



R4401-25



R4401-26



R4401-27



R4401-28



## Glitters

R4300-00	Silver
R4301-00	Gold
R4302-00	Multicolor "Z"
R4303-00	Blue
R4304-00	Red

Nice looking orthodontic plates are obtained by mixing a small quantity of glitters with acrylic powder. Glitters make plates X-ray visible.

Packs of 50 g and spray flask



## R4310-00 "X" fluorescent additive

A fluorescent effect is given by mixing just 15% approx. of product with polymer. The best result is achieved with the use of clear powder and liquid.

Pack of 100 g

# acrylic resin accessories - plaster for orthodontic models



## **R6320-00** Insulator liquid for resin

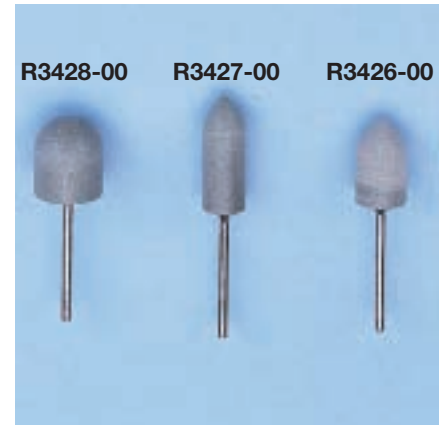
Pack of 1 lt



## **R4550-00** Polishing fluid for resin

Spread some drops on the polishing brush.

Pack of 0,5 lt



## Silicon mounted polishers

For perfect polishing of plates. They do not damage hooks or arch wires. All with 2,35 mm diameter shaft.

Packs of 6



## Extra hard plaster

**R5005-00** Bucket of 5 Kg

**R5025-00** Bucket of 25 Kg

Orthodontic plaster type III, snowy white colour. Mixing ratio: 26-28 ml: 100 g. Fine detailed, smooth and hard models (over 650 Kg/cm<sup>2</sup>) are obtained.

Easy to polish with R4520-00.

Ideal for making study models and plaster casts for collection.



## Gloss for plaster models

**R4520-00** Pack of 0,5 lt

**R4530-00** Pack of 5 lt

It is necessary to use a good ortho plaster but also a good final model gloss to obtain a well-made study model. This model gloss provides polish surfaces with fine details and protects them over the time.



## R3712-00 Quadrangular wax sticks

Wax in 30 cm long sticks, 3x3 mm cross section.

The special adherence and high workability make it useful to border the impression trays to respect the edges of the functional impression.

*Pack of 90 sticks*



## R3710-00 Utility wax

Highly soft wax in strips which bends at room temperature without breaking.

Thanks to its good adherence and high workability, it serves to border the impressions to obtain the base of the mould.

*Pack of 24 strips*



## R3711-00 Modelling wax

Wax in sheets.

It moulds, both cold and hot, without breaking.

*Pack of 500 g*



## R3730-00 Bite wax

Necessary for taking accurate occlusal impressions.

Specially aluminium foil laminated, it lessens distortions.

Pleasantly scented, 6 mm thick.

*Pack of 24*



## R3714-00 Thermowax for undercuts

High melting point: 104° C. Particularly suitable to eliminate undercuts.

It prevents damage to be caused to the acrylic brightness.

*Pack of 100 g in stick*



## R3713-00 Sticky wax

High sticky power.

Thanks to its extreme strength of adhesion, it allows fixing of the various elements (screws, wires etc.) to the model.

*Pack of 100 g in stick*

# wax, silver solders and accessories



## R3716-00 Natural protective wax

Specially intended for orthodontic use. The natural composition of this wax makes it to be absolutely safe and if swallowed, it does not cause any illness. Mint flavoured.

*Pack of 10 boxes, 5 sticks each*



## Solders for stainless steel

### R0220-00

Plate 0,43 mm thick

### R0221-00

Wire form, 1 mm in diameter

For use with bridges and crowns. Cadmium free. Silver: 49%. Melting range: 680° - 705° C.

*Packs of 10 g approx.*



## Orthodontic solders

### R0222-00

Wire form, 0,40 mm in diameter

### R0223-00

Tape form, 1 x 0,5 mm

### R0224-00

Rods, 1 mm in diameter

For all orthodontic brazing works. Cadmium free. Silver: 55%. Melting range: 630° - 660° C.

*Packs of 10 g approx*



## R0225-00 Solder powder

Powder for solders R0220-00 and R0221-00.

*Pack of 50 g approx.*



## R0226-00 Flux

In paste, for solders: R0222-00, R0223-00 and R0224-00.

*Pack of 30 g approx.*



## R0227-01 Thermo insulator paste for solders

It protects plaster and resin during soldering procedure. Excellent consistency. Easy to remove with water.

*Pack of 235 ml*





diagnostic and laboratory  
equipment

# diagnostic and laboratory equipment



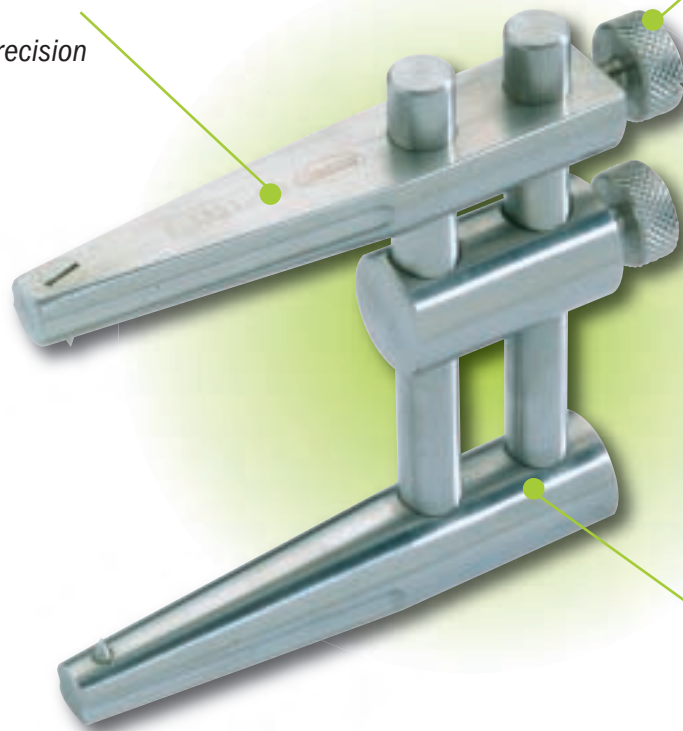
As a completion of the wide range of Leone orthodontic products, some equipment and essential accessories for the laboratory and the dental office are here introduced.

This range is the result of extended researches and tests effected from our technicians and a long term collaboration with international technicians and orthodontists.

**entirely made of  
stainless steel**  
*with the highest precision*

**locking screw**

*for insertion and removal  
of the models*



**No undesired lateral movements**

*due to a double guided  
sliding movement*

# model bases - vertical model occluder



## T3061-00 Plastic model bases

These model bases are made of impact resistant, white plastic, with posterior hinges to keep the model in occlusion. Square corners conform to international standards and uniform height makes the models to be comparable over the time and in all perspectives. For correct diagnosis and control during treatment. To be used with the practical position plate T3062-02 supplied with the package.

Ease and precision of working models, which can also be performed directly in the dental office.

*Pack of 100 upper and 100 lower pieces,  
2 position plates with guide rails and labels*

## T3062-00 Spare hinges for model bases

*Pack of 10*

## T3062-01 Spare labels for model bases

*Pack of 100*

## T3062-02 Position plates for model bases

*Pack of 10, with 20 guide-rails*



## Rubber model base formers

### T3320-00 Large

*Pack of 2, upper and lower*

### T3321-00 Small

*Pack of 2, upper and lower*



## T1121-00 Vertical model occluder

Entirely made of stainless steel with high precision.

The double sliding guides prevent from any undesired lateral movement.

Models can be disengaged from the occluder by loosening the locking screw.

**Locking screw T1122-00.**



## T3355-00 Modelbox

Transparent PVC model containers supplied with pre shaped sponges for full protection of models.

*Pack of 100*

# pressure pot - typodont



## Pressure pot

**T1330-00** Capacity: 4 lt

**T1335-00** Capacity: 9 lt

Necessary for the polymerization of all kinds of orthodontic acrylics. T1330-00 pressure pot is roomy enough to contain a model occluder or an articulator; T1335-00 pressure pot may contain larger model occluders or articulators. Both pressure pots are supplied with a special safety valve tested to act at a working overpressure of 2,5 bar.

## Replacement parts

**T1330-01** Lid sealing ring T1330-00

**T1330-03** Manometer

**T1330-06** Plain handle for lid

**T1335-01** Lid sealing ring T1335-00

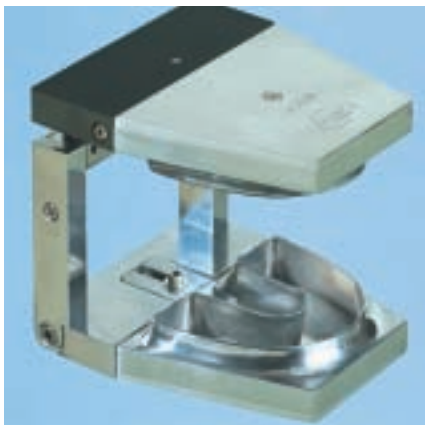
**T1330-04** Air inlet valve

**T1330-07** Anatomical handle

**T1330-02** Safety valve

**T1330-05** Locking lever

**T1330-08** Posterior handhold



## **T3330-00** Typodont

Typodont has been since long in use for testing orthodontic appliances in the office. This unit is offering also ease of handling and accuracy of details. Fully made of aluminium, with lateral and protrusive movements. It can be easily made to lay flat and take away in a normal case.



## Typodont wax bases

**T3332-00** Class I

**T3336-00** Normal occlusion

**T3337-00** Class II, Div. I

**T3338-00** Class II, Div. II

**T3339-00** Class III

*Packs of 2, upper and lower*



## **T3529-00** Acrylic teeth for Typodont T3330-00

Purposely designed for Typodont T3330-00, they are necessary for making practice with the direct bonding brackets.

*Pack of 28 teeth*



## T1315-00 Leone hydroflask

Orthodontic cold curing acrylics require the polymerization under pressure technique.

This kind of polymerization enables the vaporization of monomer and condensing of acrylic, which will perfectly fit the plaster model. Plates are coming out perfectly finished and can be immediately polished.

The Leone hydroflask allows you to make use of the polymerization under pressure technique easily and economically.

### Technical features:

Inside dimensions: 100 x 115 mm  
Outside dimensions: 111 x 130 mm  
Pressure gauge  
Exhaust valve  
Made of hard aluminium  
Built-in thermometer



## T1310-00 Leone hydroflask

With the same features as T1315-00, without thermometer and slightly smaller.

### Technical features:

Inside dimensions: 100 x 88 mm  
Outside dimensions: 111 x 105 mm  
Pressure gauge  
Exhaust valve  
Made of hard aluminium

## Replacement parts for hydroflasks

- T2300-00** Hydroflask lid
- T2301-00** Rubber seal for lid
- T2302-00** Air valve
- T2303-00** Thermometer for T1315-00
- T2304-00** Pressure gauge



## T1311-00 Press for hydroflask

Convenient press for hydroflasks T1310-00 and T1315-00, made of pressure cast aluminium. Extremely easy to use.



## Trays for model bases

- T3360-00** Blue
- T3361-00** Red

Two drawers for storing six model bases each box.

Outer sizes: 250 x 200 x 80 mm.

*Packs of 16 boxes*

## Trays for study models

- T3350-00** Blue
- T3351-00** Red

Two drawers for storing eight models each box.

Outer sizes: 285 x 190 x 55 mm.

*Packs of 24 boxes*

# cephalometric accessories



## **T3603-00** Acetate sheets for cephalometric tracing

Sheets with double matt and polish surface. Sizes: 203 x 254 mm.

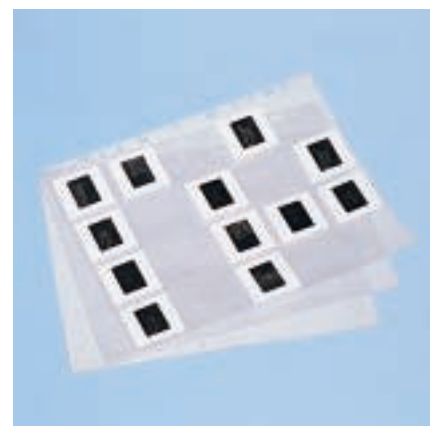
*Pack of 100 sheets*



## **T3608-00** Marking pencil white

For marking arch wires, bite planes, etc.

*Pack of 1*



## **T3611-00** Covers for slides

Necessary for protection of slides from damage and easy to file inside patient own card. Sizes: 24 x 36 cm.

*Pack of 100 covers*



## **T3612-01** Cephalometric protractor

The angular measurement is facilitated by the ruler; the cut-out tooth symbols of incisors, molars and circular holes assist in the anatomical tracing over the x-ray film.

*Pack of 1*



## Saw

**T1565-00** Saw

**T1566-00** 12 blades for plaster

**T1567-00** 12 blades for metal



## Saw for set-up

**T1561-00** Saw with 1 blade

**T1563-00** 12 large serrated blades

Easy change of blades and perfect handiness.

# material for duplication of models and accessories



**T0900-02** Pack of 50 plates  
2 mm thick

**T0900-03** Pack of 50 plates  
3 mm thick

**T0900-92** Pack of 500 plates  
2 mm thick

**T0900-93** Pack of 500 plates  
3 mm thick

## Leone copolymer duplication plates

Sizes: 130 x 140 mm, 2 or 3 mm thick, these plates are made of a special material getting soft and gelatinous at a temperature of 90° C.

Just dip in boiling water, lay on the model and press over with the duplicating press: a fine detailed model impression is obtained.



**T1212-00**  
Plier rack



**T1203-00**  
Plier rack



**T1200-00**  
Plier rack



**T1201-00**  
Plier rack

It can store up to 15 pliers.

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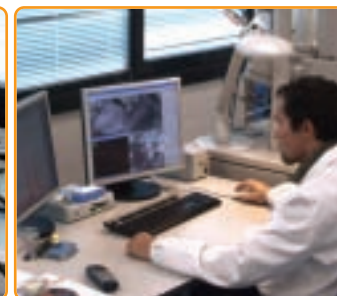
# customer service



Leone is dedicated to meet the customer's expectations with a special attention to the Customer Service. A careful pre-sale and post-sale assistance is provided with **quality, safety and high professional skills through dealers worldwide.**

## Competence and reliability

The Leone dealers worldwide are under constant professional improvement thanks to the technical assistance received by engineers and technical experts at Leone to get specific information on the products and solve any eventual problems from the customers. In our website **www.leone.it**, under the section "Distributors", you will find the information to contact the Leone dealer in your country.



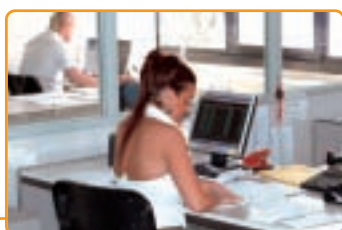
## Promptness

By providing a careful management and a "state-of-the-art" logistic system, we are able to deliver standard orders with the best precision and ship the goods very quickly.



## Leone newslist

Keep yourself updated with the latest news of our products: click on "Services" in our website **www.leone.it** and fill in the registration form.



## TECHNICAL and COMMERCIAL assistance

Contact the dealer in your country as a reference. You will find the comprehensive list under the section "Distributors" in our website **www.leone.it**



**ISO**<sup>®</sup>  
**ISTITUTO**  
**STUDI**  
**ODONTOIATRICI**

Since 1982, the ISO, Istituto Studi Odontoiatrici, has been operating with the purpose to promote new therapeutic techniques and to divulge dentistry to ever higher standards.

The Leone's teaching facility is spread out over two floors with a total surface area of 1.000 square meters.

With the exception of the reception area, the rest of the building is dedicated to the lecture halls.

In one lecture hall, a dental operator is fully equipped for hands-on demonstrations of both orthodontic and implantological interventions.

A lecture hall seating up to 50 participants, allows the doctors to visually participate in the interventions.

A 16-bench dental laboratory fully equipped. A multi-purpose lecture hall for 100 trainees. Endoral and extraoral cameras film the procedures which are wired in to big screens in the various lecture halls at a real time.

On the second floor is our "Marco Pozzi" lecture hall seating up to 250 participants. The didactic tools available at ISO and the high qualified lecturers make each event a profitable and memorable one for all the attendees.

For detailed information on courses and events:

ISO Reception office:

phone +39.055.304458 - Fax +39.055.304455

e-mail: [iso@leone.it](mailto:iso@leone.it) - [www.leone.it](http://www.leone.it).



# management and product quality



## Quality for the satisfaction of the customer

The secret to guarantee a good quality of the product is that of meeting or even exceeding the customer's expectations: the awareness of such expectations is the first step, perhaps the most important step, to furnish a quality product as a standard.

The manufacture of superior quality products in respect of the expectations and the demands of the customer and in attendance of the legally binding directives has always been the philosophy of Leone.

It implies that any company department, at any level, is called to share such goals supporting the Management in the fulfilment of the necessary operational strategies.

The management quality system of the company Leone is conforming to UNI EN ISO 9001 and additional requirements of ISO 13485, in accordance with the 93/42EEC Directive Annex II.





## Warnings

Leone S.p.A. does not assume any liability resulting from the use of the products described in the present catalogue. Intended for orthodontic and odontological use only; the use of these products has to be restricted to skilled and licensed professionals, who will be held the sole responsible for the construction and the application of any prosthetic device whether manufactured singly or in combination with the aforesaid products. The herewith described indications are not claimed to represent a substitution of the clinical knowledge of the licensed Professional. Patient's anamnesis, diagnosis, instrumental and laboratory exams and everything is necessary for a therapy approach must be decided by the Dental Surgeon or the Dental Doctor, who will effect the surgical intervention on the patient and who will be held the sole responsible for such intervention. The indications furnished in this catalogue are to be intended for general use only and restricted to skilled and licensed Professionals who will be held the sole responsible for the construction of the prosthesis.

It is clear and accepted by the Dental Surgeon or the Dental Doctor, that the informations contained in the present catalogue have informative purpose only and they do not claim to be a substitution of the specific medical action, nor do they constitute any legal relationship among Leone S.p.A., the Dental Surgeon, the Dental Doctor or even the patient.

Leone S.p.A. will not assume any liability nor will furnish any warranty regarding the exactness or the connection of the information described in this catalogues.

## Information for distributors of orthodontic mini implants: intended use, responsibility, surveillance

The 93/42EEC Directive on medical devices is the official reference that dictates the regulations for marketing medical devices. The directive provides indications for all the phases of existence for the device (from the project phase through the traceability system, and surveillance), and it identifies all the characters who have to comply with the directive itself, which includes not only the manufactures, but also the distributors, the buyers, and even the users.

As for the responsibilities of the single competence, Leone S.p.A. recommends to its direct clients, dental depots and exclusive dealers to follow and maintain the indications, warnings, and information for the univocal identification of the medical devices, as provided by the manufacturer on the labels, during all the marketing phases.

With specific regard to Class IIB implantable products, all dental depots and exclusive dealers of Leone S.p.A. are required to keep records of the distribution of medical devices as of traceability available for verification, in case of need to trace back a product or its user in a univocal way.

# conversion charts



inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
.001	0,03	.017	0,43	.033	0,84	.049	1,24	.065	1,65
.002	0,05	.018	0,46	.034	0,86	.050	1,27	.066	1,68
.003	0,08	.019	0,48	.035	0,89	.051	1,30	.067	1,70
.004	0,10	.020	0,51	.036	0,91	.052	1,32	.068	1,73
.005	0,13	.021	0,53	.037	0,94	.053	1,35	.069	1,75
.006	0,15	.022	0,56	.038	0,96	.054	1,37	.070	1,78
.007	0,18	.023	0,58	.039	0,99	.055	1,40	.071	1,80
.008	0,20	.024	0,61	.040	1,02	.056	1,42	.072	1,83
.009	0,23	.025	0,64	.041	1,04	.057	1,45	.073	1,85
.010	0,25	.026	0,66	.042	1,07	.058	1,47	.074	1,88
.011	0,28	.027	0,69	.043	1,09	.059	1,50	.075	1,90
.012	0,30	.028	0,71	.044	1,12	.060	1,52	.076	1,93
.013	0,33	.029	0,74	.045	1,14	.061	1,55	.077	1,96
.014	0,36	.030	0,76	.046	1,17	.062	1,57	.078	1,98
.015	0,38	.031	0,79	.047	1,19	.063	1,60	.079	2,01
.016	0,41	.032	0,81	.048	1,22	.064	1,63	.080	2,03

inch	mm
1/64" =	.0156
1/32" =	.0312
1/16" =	.0625
1/8" =	.125
1/4" =	.250
3/8" =	.375
1/2" =	.5
5/8" =	.625
3/4" =	.75
7/8" =	.875
1" =	1.0

1 mg =	0,0154 grains
1 g =	1000 mg = 0,0353 oz
1 Kg =	1000 g = 2.2046 lb
1 ounce =	28,35 g
1 pound =	16 ounce = 0,4536 Kg

1 inch =	25,40 mm
1 mm =	0,0394 inch

1 N/mmq =	145.14 p.s.i.
1 p.s.i. =	0,00689 N/mmq

FDI SYSTEM	
18 17 16 15 14 13 12 11	21 22 23 24 25 26 27 28
48 47 46 45 44 43 42 41	31 32 33 34 35 36 37 38

## CATALOGUE SYMBOLS

On the various tables of catalogue we used symbols to better indicate the characteristics of our products. Below are the symbols used:

one turn of screw



expansion



length



height



dimensions



diameter



inner diameter



torque of brackets



torque of tube



slot



angulation



rotation of tube



upper right



upper left



lower right



lower left



## PRODUCT LABEL SYMBOLS

The label on the package of any medical device set on the market will show the symbols in compliance with the harmonized standards. The symbols marked with a single (\*) are based on the ISO 21531, ISO 15223-1, EN 980 European Standard and on the 93/42EEC Directive. The symbols marked with double (\*\*) have instead been performed by us.

manufacturer's trade name and address	manufacturer's catalogue code number and product description in different languages	bar code
CE mark (made in compliance with 93/42EEC Directive on class IIA or IIB medical devices)	CE (*) 0120	expiry date, if the product is perishable (year/month)
lot number (indicated by LOT mark)	LOT (*)	for professional use only
keep dry	umbrella (*)	this product contains Nickel-Chromium: possible allergic reactions
CE mark (made in compliance with 93/42EEC Directive on class I medical devices)	CE (*)	see instructions for use
titanium	TI (*)	surgical steel
autoclavable at temperature indicated	135°C (*)	non-sterile
		storage temperature
		for single use only
		keep away from sunlight
		gamma-ray sterilized
		this product contains Chromium: possible allergic reactions
		with content or presence of natural rubber latex

Safety data sheets of our products may be browsed and downloaded from our web site: [www.leone.it](http://www.leone.it)

# how to reach LEONE



## by airplane

from the Peretola airport "A. Vespucci", five minutes by taxi.

## by car

from the highway "Autostrada del Sole", exit Firenze Nord, in the direction of Florence, along the highway A11, exit Sesto Fiorentino, on your right side the Novotel can be seen. At the second traffic circle, turn on the first exit on the right (McDonald's).

## by train

from the central station "Santa Maria Novella", take bus no. 30, get off in Via Pratese near the car dealer Volkswagen.



Call +39.055.3044620 or send an e-mail message to [info@leone.it](mailto:info@leone.it) for further information on Leone products or a visit to our factory.

You can also browse our web-site: [www.leone.it](http://www.leone.it)

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Due to continuing product improvements, Leone s.p.a. reserves the right to discontinue products  
or change the design and materials of products without notice.

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All Leone products are designed and manufactured for single use  
and once removed from the patient's mouth, must be disposed of properly.  
Leone s.p.a. disclaims any liability for the spread of disease or personal injury caused by reuse.

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**MIDI DIAGONALI®**

**LEOCRYL®**  
**MINI DIAGONALI®**

**LEOLOY®**  
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**LEOWIRE®**  
**THERMOMEMORIA®**

**MEMORIA®**  
**WEB®**