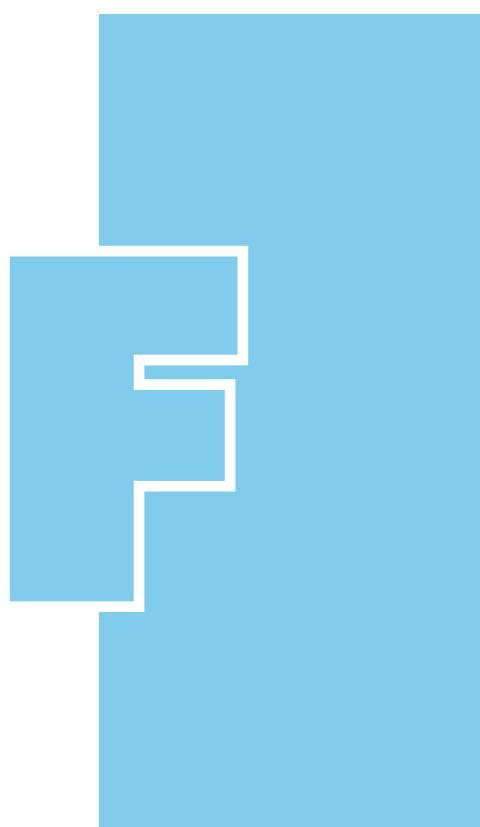


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# **DIRECT BONDING**





with FDI identification



**Passive self-ligating bracket**  
easy open/close  
versatile biomechanics  
comfortable for the patient



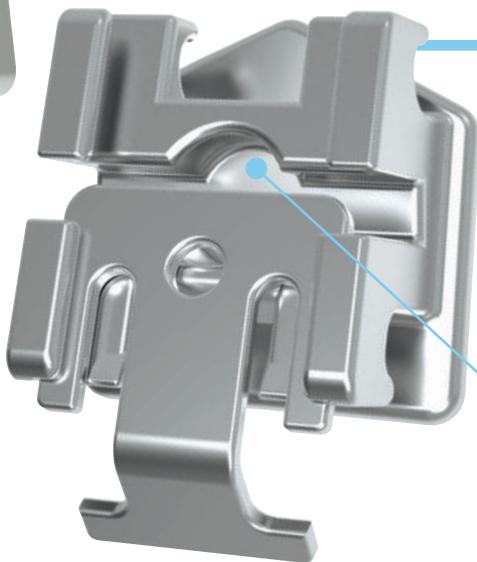
## in/out

minimized overall bracket profile  
maximum comfort



## easy open/close

thanks to the engagement of the sliding fourth wall under bracket tie wings



## pentagonal pad design

with laser marked  
FDI identification

## tie wings

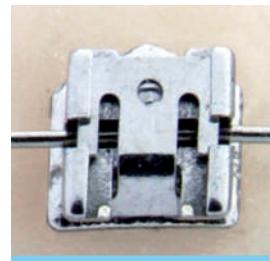
designed to allow  
the application of any  
ligatures available

## slot with circular design

to further minimize  
friction

## hygiene

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



**F1000 brackets** are designed to meet the most sophisticated biomechanical requirements and enable **easy clinical management**, avoiding the well-known inconveniences of 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** reducing treatment time for greater comfort and patient compliance.

**F1000 brackets** are available with torque and angulation values according to **Dr. Damon's super torque, standard and Roth system**.

A patented self-ligating mechanism features a sliding cover to the slot, which frees wire movement in the slot and thereby gets full biomechanical advantages. In addition, the design of the tie wings allows for the application of conventional elastic or metallic ligatures, elastic chains or wires making the management of friction and anchorage possible, to get the best biomechanical control.

The sliding mechanism covers the slot on the whole mesio-distal width of the bracket: differently from other self-ligating systems, it enables a good control of rotation even with the application of light wires in a low friction environment. The unique circular design of the central area of the slot results in a lower contact with the wire that further minimizes friction, while maintaining a full biomechanical control.





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 for a perfect fit to the tooth.

Brackets with hook are manufactured with **MIM®** (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.

## 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

## rounded edges

to ensure the best patient comfort

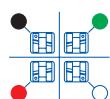


## brackets with hook

manufactured with **MIM®** (Metal Injection Moulding) technology



### 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.



A bevel may be present on lower anterior 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.











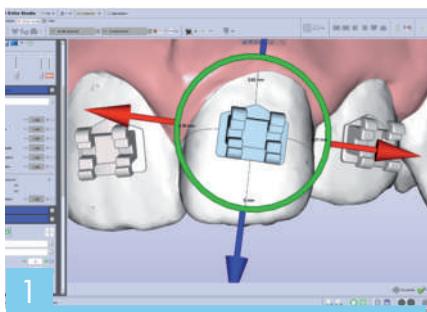


# digitally-assisted indirect bonding system

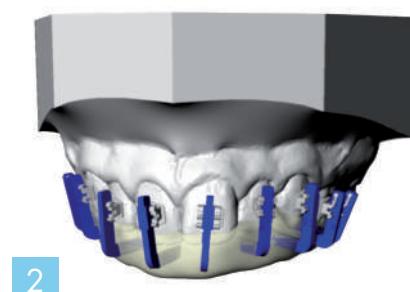


## DIGITALLY-ASSISTED INDIRECT BONDING SYSTEM<sup>(patented)</sup>

This is an innovative system of indirect bonding of brackets developed with a dedicated software for the correct digital mapping of brackets joined with the orthodontist's prescription plan and method used. Starting from the position of the brackets, the software plans a transfer-bite, made with high precision 3D printing scanner to get the accurate clinical reproduction of what digitally planned. For info and updates: [www.leonedigitalservice.it](http://www.leonedigitalservice.it)



The Leone plug-in for Maestro 3D software ([www.age-solutions.com](http://www.age-solutions.com)) is dedicated to digital positioning of our brackets. The software library contains the most popular brackets among our range that are placed automatically on the teeth, based on typical settings of the prescription but, if desired, even in a completely customized mode.



Once all brackets have been ideally placed, the software automatically displays the specific altimeters and draws a transfer-bite with rectangular seats for the insertion of the occlusal portion of the positioner.



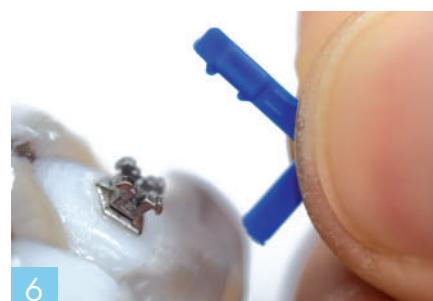
Once the transfer-bite is ready, the brackets must be joined physically to each corresponding positioner: thanks to the special design of the inter-bracket tie wing portion, the union with the bracket is stable and removable at the same time for the next clinical phase.



**4**  
The rectangular occlusal portion is placed into the corresponding location on the transfer-bite: in this way, the bracket preloaded with the adhesive on the base will be placed onto the previously conditioned tooth, in the exact position planned digitally.



**5**  
The use of the altimeters minimizes the thickness of the adhesive under the bracket and allows ease of removal of any adhesive excess before curing.



**6**  
The removal of the altimeter, thanks to its special design, is easy and does not cause any bracket detachment, which possibly may happen with the use of thermo-stamped transfer trays.



## TOOTH POSITIONERS FOR DIGITALLY-ASSISTED INDIRECT BONDING SYSTEM

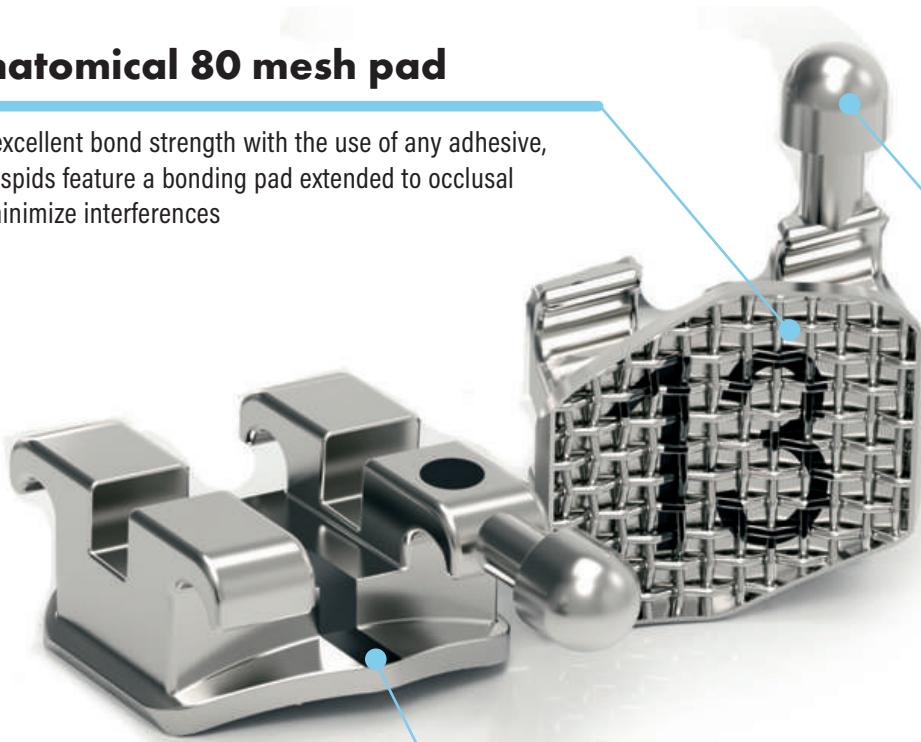
**F6100-04** Pack of 4 sets of 20 tooth positioners each. For technique **Logic Step 2.0**

**F6200-04** Pack of 4 sets of 20 tooth positioners each. For technique **Logic Roth**

The tooth positioners are separate for each tooth and marked according to the FDI system. They can be removed from the holder using a scalpel.

### anatomical 80 mesh pad

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



### ball hook

MIM® injection molded and integrated on cuspids and bicuspids

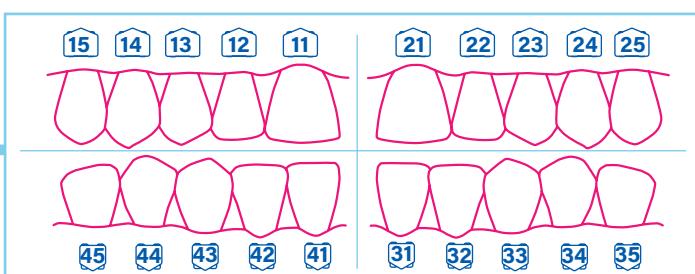


### central scribe line

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

### FDI system marking

on the mesh pad



An FDI (Fédération Dentaire Internationale) identification number is laser marked on the mesh pad of every bracket, clearly indicating the tooth to which a specific bracket will be attached. This method identifies each tooth with a two-digit Arabic number: the first digit indicates the quadrant, the second 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. The number, permanently etched and free of toxic substances, is immediately recognizable and easily readable without the aid of magnifying lenses.

The FDI system laser marking also improves bond strength.









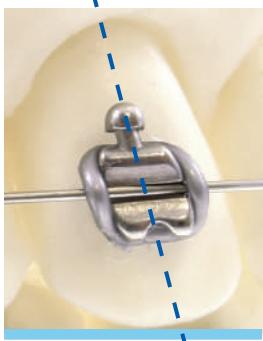


# D.B. brackets Diagonal Round

with FDI identification

## Diagonal Round angulation

for easy bracket placement



**maximum comfort**

thanks to reduced sizes and rounded edges



**MIM® integral ball hook**

on cuspids and bicuspids



## anatomical 80 mesh pad with FDI identification

for excellent bond strength  
with the use of any adhesive



# EXTREMO

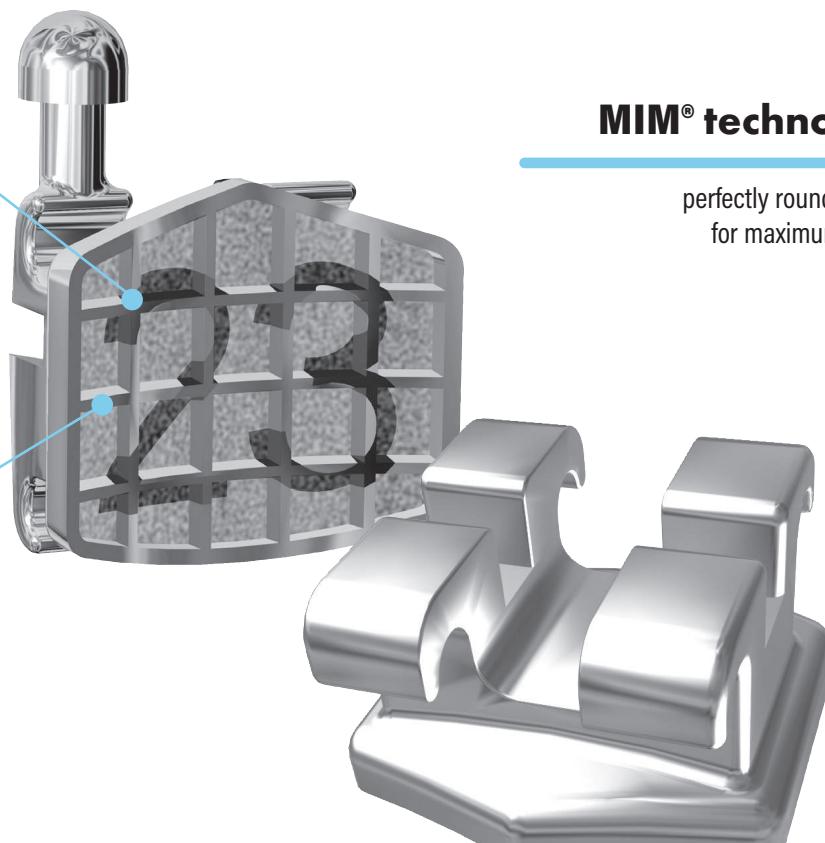
Single piece bracket **MIM®**



## FDI system marking

on the mesh pad (for Roth prescription)

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

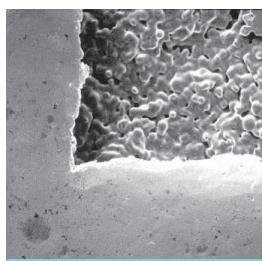


## MIM® technology

perfectly rounded edges  
for maximum comfort

## high retention base

with micro cavities to ensure strong retention to the tooth



**Extremo nickel-free\*** brackets are entirely biocompatible. They are CAD designed to get anatomical fits and **MIM®** moulded in single piece, without any soldering point. The anatomical base features highly retentive micro cavities for a perfect bond strength and rounded edges to provide patient compliance. The base on Roth prescription brackets is laser marked with FDI number for immediate identification.

\*Nickel trace elements of ≤ 0,1% are due to the process of manufacturing





## SUGGESTED MIM® BUCCAL TUBES

convertible	torque	rotat.	round tube diam.	rect. tube slot	weldable tubes	WEB® bands with tube		
						R	L	G8424-32
	6 6	-14°	+10°	.045" occl.	.022"	R	G8424-32	E8920-00
	6 6	-20°	+8°		.022"	R	G8421-16	E8960-00
	6 6	-20°	+8°	.045" ging.	.022"	R	G8424-16	E8961-00
						L	G8424-17	E8971-00

	torque	rotat.	rect. tube slot	weldable tubes	D.B. Extremo	No-nickel tubes		
					R	L	G8321-12	F8621-32
	7 7	-14°	+8°	.022"	R	L	G8321-13	F8621-33
	7 7	-20°	+8°	.022"	R	L	G8321-16	F8621-26
							G8321-17	F8621-27



See pages 139-140 to choose the Low Friction **SLIDE** ligatures

Packs: prewelded bands of 5 - tubes of 10

## ARCHWIRE SEQUENCE

### PHASE 1: EARLY DENTAL MOVEMENT

	upper	$\emptyset$	lower
	inch		inch
<b>MEMORIA®</b> nickel-titanium archwires medium	C5910-12	.012	C5950-12
	C5910-14	.014	C5950-14
	C5910-16	.016	C5950-16

Packs of 10

### PHASE 2: THREE DIMENSIONAL CONSOLIDATION

	upper	$\emptyset$	lower
	inch		inch
<b>THERMOMEMORIA®</b> archwires	C5932-16	.016x.022	C5972-16
	C5935-19	.019x.025	C5975-19
Stainless steel preformed archwires	C3112-19	.019x.025	C3152-19

Packs of 10

### PHASE 3: ARCHWIRE SEQUENCE

	upper	lower		
	mm	mm	mm	
Arches with hook .019X.025	C3112-34	34	C3152-24	24
	C3112-36	36	C3152-26	26
	C3112-38	38	C3152-28	28
	C3112-40	40	C3152-30	30
	C3112-42	42		

Distance in mm between hooks

Packs of 10

### PHASE 4: FINISHING AND DETAILS

upper arch	$\emptyset$	inch
Stainless steel preformed archwires		.016 C3110-16*
		.018 C3110-18*
lower arch	$\emptyset$	
<b>MEMORIA®</b> nickel-titanium archwires medium		.016 C5950-16

\* apply in-between 12 and 22

Packs of 10

**Logic Line** brackets combine the most recent evidence-based studies on low friction biomechanics with reliability and ease of use of 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 Roth and Step prescriptions.**

For digitally-assisted indirect bonding system see page 85.

## 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



### 80 mesh pad

ensures ideal retention with any adhesive available; FDI identification



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.

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

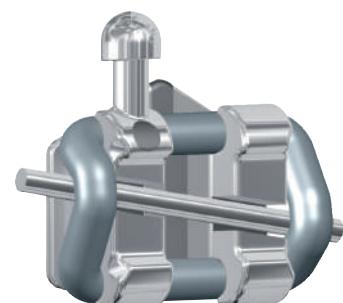
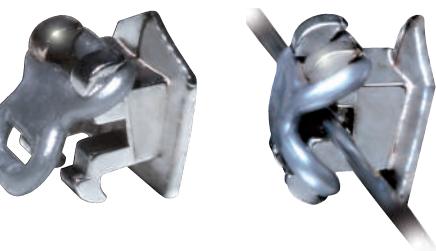


1 Apply **SLIDE** ligature in the open position and arch wire inside the slot



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



## Logic Line Roth system

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

Packs of 10

## Logic Line Roth system

	20 brackets 1 case	200 brackets 10 cases
.022"	<b>F6220-91</b>	<b>F6221-91</b>
	500 brackets 25 cases	1000 brackets 50 cases
.022"	<b>F6223-91</b>	<b>F6225-91</b>

## Z0110-17

### EMPTY TRAY FOR BRACKET STORAGE

It holds up 2 to 50 cases and 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



See pages 139-140 to choose the Low Friction **SLIDE** ligatures

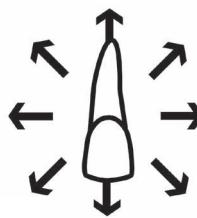
# STEP system

2.0

**STEP 2.0** system is an optimization of the well-known Straight Wire **STEP** treatment which has been used for more than 10 years. Thanks to the clinical experience of Dr. Arturo Fortini and his partners, the **STEP 2.0** system has become even more efficient and versatile, thus making the orthodontic treatment easier than ever. Logical management of friction is always possible with the use of the **SLIDE** low friction ligatures and/or alternatively, with the conventional ligatures only in one group of teeth with the benefit of being able to use the biomechanical properties more suitable for the therapeutic stage and the kind of wire you are using. The innovative Bi-dimensional\* arch wires and the elastic Tie Back, brand new in the design and material, deliver a controllable traction force extension with a perfect control of torque on the anterior teeth, thus favoring the sliding in the rear portion. Brackets with vertical slot for cuspid and bicuspid, with the same in-out values, allow the use of springs and auxiliaries for greater biomechanical and anchorage control. **STEP 2.0** prescription is complemented by a renewed and optimized archwire sequence for each therapeutic stage.

*Bibliographic references are continuously updated on the website [www.leone.it](http://www.leone.it)*

\* Patent No. US 6,811,397 B2



## ALIGNMENT AND LEVELING

Nickel-titanium **MEMORIA®** super elastic arch wires deliver constant and light forces. The use with **SLIDE** ligatures is recommended.



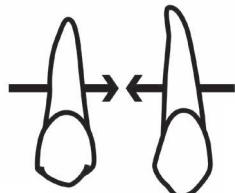
## FULL EXPRESSION OF THE BRACKET TIP VALUE

Australian arch wires are ideal for the consolidation of the first stage of treatment, thus giving full expression to the bracket tip values. They are used with conventional ligatures.



## TORQUE CONTROL

The **MEMORIA®** full-thickness arch wire produces third-order movements by stimulating the roots with light and constant forces. For use with conventional ligatures.



## SPACE CLOSURE

The innovative Bi-dimensional\* arch wire has the front portion made of Beta **MEMORIA®** alloy, available in .019"x.025" or .021"x.027" for torque control, and a rear portion made of stainless steel in .016"x.016" to promote the sliding of the arch wire into the slot. Conventional ligatures are used in the front portion and the **SLIDE** ligatures in the rear portion.



## FINISHING

The features of controlled elasticity of Beta **MEMORIA®** archwire alloy and the maximum sizes promote the full expression of torque, tip and in-out values of the **STEP 2.0** brackets.



## STEP SYSTEM 2.0 standard

		torque	ang.	.022"x.030"
			3.6	+17° +4°
			1 1	F6122-11 F6122-21
			3.1	+9° +8°
			2 2	F6122-12 F6122-22
			3.3	-7° +13°
			3 3	F6112-13 F6112-23
			3.3	+7° +13°
			3 3	F6114-13 F6114-23
			3.3	-7° +13°
			3 3	F6122-13 F6122-23
			3.1	-7° +2°
			4 4	F6112-14 F6112-24
			3.1	-7° +2°
			4 4	F6122-14 F6122-24
			3.1	-7° +2°
			5 5	F6112-15 F6112-25
			3.1	-7° +2°
			5 5	F6122-15 F6122-25
			3	-6° 0°
			1 1	F6122-41 F6122-31
			3	-6° 0°
			2 2	F6122-42 F6122-32
			3.3	-6° +5°
			3 3	F6112-43 F6112-33
			3.3	+7° +5°
			3 3	F6114-43 F6114-33
			3.3	-6° +5°
			3 3	F6122-43 F6122-33
			3.1	-12° +2°
			4 4	F6112-44 F6112-34
			3.1	-12° +2°
			4 4	F6122-44 F6122-34
			3.1	-17° +2°
			5 5	F6112-45 F6112-35
			3.1	-17° +2°
			5 5	F6122-45 F6122-35

Packs of 10

Brackets not available into kits



## STEP SYSTEM 2.0 with vertical slot

		torque	ang.	.022"x.030"
			3.6	+17° +4°
			1 1	F6122-11 F6122-21
			3.1	+9° +8°
			2 2	F6122-12 F6122-22
			3.3	-7° +13°
			3 3	F6113-13 F6113-23
			3.1	-7° +2°
			4 4	F6113-14 F6113-24
			3.1	-7° +2°
			5 5	F6113-15 F6113-25
			3	-6° 0°
			1 1	F6122-41 F6122-31
			3	-6° 0°
			2 2	F6122-42 F6122-32
			3.3	-6° +5°
			3 3	F6113-43 F6113-33
			3.1	-12° +2°
			4 4	F6113-44 F6113-34
			3.1	-17° +2°
			5 5	F6113-45 F6113-35

Packs of 10



## STEP SYSTEM 2.0 standard

	20 brackets - 1 case	200 brackets - 10 cases
.022"	<b>F6120-91</b>	<b>F6121-91</b>
	500 brackets - 25 cases	1000 brackets - 50 cases
.022"	<b>F6123-91</b>	<b>F6125-91</b>

## STEP SYSTEM 2.0 with vertical slot

	20 brackets - 1 case	200 brackets - 10 cases
.022"	<b>F6120-92</b>	<b>F6121-92</b>

## ARCHWIRE SEQUENCE

### ALIGNMENT AND LEVELING

	inch	upper	lower	pkg.	∅
	<b>MEMORIA®</b> nickel-titanium medium	.012	<b>C5910-12</b>	<b>C5950-12</b>	10
	<b>MEMORIA®</b> nickel-titanium medium	.014	<b>C5910-14</b>	<b>C5950-14</b>	
	<b>MEMORIA®</b> nickel-titanium medium	.016	<b>C5910-16</b>	<b>C5950-16</b>	

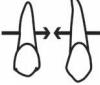
### FULL EXPRESSION OF TIP VALUE

	inch	upper	lower	pkg.	∅
	Australian special plus	.016	<b>C2010-16</b>	<b>C2050-16</b>	10
	Australian special plus	.020	<b>C2010-20</b>	<b>C2050-20</b>	

### TORQUE CONTROL

	inch	upper	lower	pkg.	∅
	<b>MEMORIA®</b> nickel-titanium medium	.021x.025	<b>C5915-21</b>	<b>C5955-21</b>	10

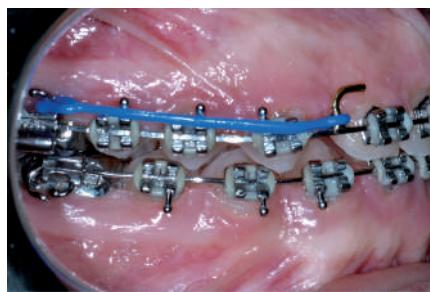
### SPACE CLOSURE

	inch	*	upper	*	lower	pkg.	∅
	Bidimensional with hook Beta <b>MEMORY®</b> / stainless steel	.019x.025 / .016x.016	mm 34 36	<b>C7110-34</b> <b>C7110-36</b>	mm 24 26	<b>C7150-24</b> <b>C7150-26</b>	2
	Bidimensional with hook Beta <b>MEMORY®</b> / stainless steel	.021x.027 / .016x.016	mm 34 36	<b>C7111-34</b> <b>C7111-36</b>	mm 24 26	<b>C7151-24</b> <b>C7151-26</b>	

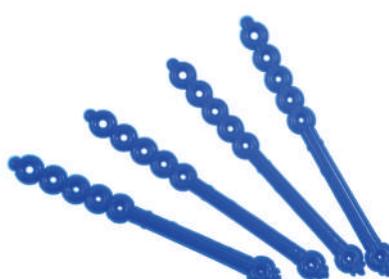
\*Distance between archwire hooks

### FINISHING

	inch	upper	lower	pkg.	∅
	Beta <b>MEMORY®</b>	.021x.027	<b>C7112-21</b>	<b>C7115-21</b>	10



Courtesy of Dr. A. Fortini



### K6461-01 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: blue. Pack of 10

**TUBES MIM®**

<b>convertible</b>			torque	rotat.	round tube diam.	rect. tube diam.	weldable tubes
			<u>6 6</u>	-14°	+10°	.045" occl.	R G8424-32 L G8424-33
						.022"	E8920-00 E8930-00
			<u>6 6</u>	-20°	+8°		R G8421-16 L G8421-17
						.022"	E8960-00 E8970-00
			<u>6 6</u>	-20°	+8°	.045" ging.	R G8424-16 L G8424-17
						.022"	E8961-00 E8971-00
						rect. tube diam.	weldable tubes
							welded and brazed on <b>MAXI</b> base
			<u>76 67</u>	-14°	+8°		R G8321-12 L G8321-13
						.022"	F8321M12 F8321M13
			<u>76 67</u>	-20°	+8°		R G8321-16 L G8321-17
						.022"	F8321M16 F8321M17

Prewelded bands: packs of 5

Tubes: packs of 10


**F6120-82**
**STEP 2.0 SYSTEM STANDARD STARTER KIT**

The efficiency of **STEP 2.0** system can be tested during the first stage of alignment and leveling with this kit including:

- 1 case (20 pcs), metal brackets .022" **STEP 2.0 standard system**
- 4 D.B. tubes **MIM®** welded and brazed on **MAXI** base
- 1 **MEMORIA®** round archwire Ø .014" upper
- 1 **MEMORIA®** round archwire Ø .014" lower
- 4 **SLIDE** ligature modules (24 pcs) medium silver
- 2 **SLIDE** ligature modules (12 pcs) small silver



## F6100-02 ONE PATIENT KIT STEP SYSTEM 2.0

It contains all the material necessary for one treatment with **STEP system 2.0**. The package is endowed with a pocket that allows the filing of the radiographies and documents related to the patient.

Kit content:

- 1 case (20 pcs) metal brackets **STEP 2.0 standard system**
- 4 pcs D.B. **MIM®** tubes
- 4 pcs tie back
- 1 kit (13 pcs) archwires for **STEP system 2.0**
- 60 pcs **SLIDE** ligatures medium silver
- 60 pcs **SLIDE** ligatures small silver
- 100 pcs ligatures mini modules medium silver

## ORDERING INFORMATION

### BRACKET KIT STANDARD STEP SYSTEM 2.0

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



#### D.B. **MIM®** TUBES

Packs of 10

- |    |                 |
|----|-----------------|
| UR | <b>F8321M12</b> |
| UL | <b>F8321M13</b> |
| LR | <b>F8321M16</b> |
| LL | <b>F8321M17</b> |

Welded and brazed on **MAXI** base

#### TIE-BACK

**K6461-01** Packs 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

### ARCHWIRE KIT STEP SYSTEM 2.0

**C6100-13** Packs of 13 (page 48)

Ordering of single archwires. Packs of 10

1 SUP	<b>MEMORIA® .014"</b>	<b>C5910-14</b>	Australian Special Plus .020"	<b>C2010-20</b>
1 INF	<b>MEMORIA® .014"</b>	<b>C5950-14</b>	Australian Special Plus .020"	<b>C2050-20</b>
2 SUP	<b>MEMORIA® .016"</b>	<b>C5910-16</b>	Bidimensional w/hook Beta <b>MEMORIA®</b> s/steel .021"x.027"/.016"x.016"	<b>C7111-34</b>
2 INF	<b>MEMORIA® .016"</b>	<b>C5950-16</b>	Bidimensional w/hook Beta <b>MEMORIA®</b> s/steel .021"x.027"/.016"x.016"	<b>C7111-36</b>
3 SUP	Australian Special Plus .016"	<b>C2010-16</b>	<b>MEMORIA® .021"x.025"</b>	<b>C5955-21</b>
3 INF	Australian Special Plus .016"	<b>C2050-16</b>	<b>Beta MEMORIA® .021"x.027"</b>	<b>C7112-21</b>
			<b>Beta MEMORIA® .021"x.027"</b>	<b>C7115-21</b>

Speed of treatment, aesthetical result and comfort are the ideal requisites for cosmetic orthodontics. The special features of the **Logic Line aesthetic brackets**, combined with **SLIDE\*** Low Friction 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 2.0 and Roth prescriptions.**



**Pure aesthetics and logic management of friction**

\*Patented

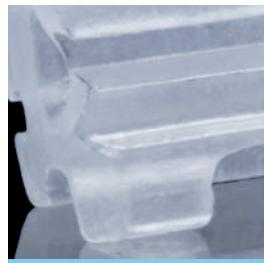
## ● MICRO-FILLED COPOLYMER

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 mechanical retention

no specific primers are required

# D.B. aesthetic brackets STEP system 2.0



Courtesy of Dr. A. Fortini



## STEP SYSTEM 2.0 in copolymer

	torque	ang.	.022"x.030"	
	3.6	+17°	+4°	<u>1</u> F5421-22 <u>1</u> F5421-23
	3	+9°	+8°	<u>2</u> F5422-22 <u>2</u> F5422-23
	3.3	-7°	+13°	<u>3</u> F5413-22 <u>3</u> F5413-23
	3.3	-7°	+2°	<u>4</u> F5419-02 <u>4</u> F5419-03
	3.3	-7°	+2°	<u>5</u> F5419-02 <u>5</u> F5419-03
	2.8	-6°	0°	<u>1</u> F5420-06 <u>1</u> F5420-07
	2.8	-6°	0°	<u>2</u> F5420-06 <u>2</u> F5420-07
	3.3	-6°	+5°	<u>3</u> F5413-26 <u>3</u> F5413-27
	3.3	-12°	+2°	<u>4</u> F5414-06 <u>4</u> F5414-07
	3.3	-17°	+2°	<u>5</u> F5415-06 <u>5</u> F5415-07

## STEP SYSTEM 2.0

	20 brackets 1 case	200 brackets 10 cases
.022"	F5410-92	F5411-92

## D.B. BRACKETS STEP SYSTEM 2.0 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

## F5410-82 STEP 2.0 & SLIDE STARTER KIT

The kit contains all the components necessary to test **STEP system 2.0** in the initial alignment and levelling phases of treatment.

Kit content:

1 case (20 pcs), .022" **STEP system 2.0** copolymer brackets, 1 **MEMORIA®** upper upper round archwire Ø .014", 1 **MEMORIA®** lower round archwire Ø .014" inf., 4 **SLIDE AQUA** ligature modules (24 pcs) medium, 2 **SLIDE AQUA** ligature modules (12 pcs) small, 4 pcs D.B. aesthetic tubes



## D.B. AESTHETIC TUBES WITHOUT HOOK

Packs of 10

	torque	rotat.	slot	R	F8721-02
<u>7</u> <u>6</u> <u>7</u>		-14°	+8°	L	F8721-03
<u>7</u> <u>6</u> <u>7</u>		-20°	+8°	R	F8721-06
				L	F8721-07



Courtesy of Dr. A. Fortini



## STEP SYSTEM 2.0 in ceramics

	torque	ang.	.022" x .030"	
			+17°	+4°
			+9°	+8°
			-7°	+13°
			-7°	+2°
			-7°	+2°
			-6°	0°
			-6°	0°
			-6°	+5°
			-12°	+2°
			-17°	+2°
				<b>F5921-02</b>
				<b>F5921-03</b>
				<b>F5922-02</b>
				<b>F5922-03</b>
				<b>F5913-02</b>
				<b>F5913-03</b>
				<b>F5919-02</b>
				<b>F5919-03</b>
				<b>F5919-02</b>
				<b>F5919-03</b>
				<b>F5920-06</b>
				<b>F5920-07</b>
				<b>F5920-06</b>
				<b>F5920-07</b>
				<b>F5913-06</b>
				<b>F5913-07</b>
				<b>F5914-06</b>
				<b>F5914-07</b>
				<b>F5915-06</b>
				<b>F5915-07</b>

## STEP SYSTEM 2.0

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

## D.B. BRACKETS STEP SYSTEM 2.0 IN CERAMICS

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 1

## F5920-82

### STEP 2.0 & SLIDE STARTER KIT

The starter kit features all the components needed to test the efficiency of the new **STEP system 2.0** in the initial alignment and levelling stages of treatment.

Composition of the kit:

1 case (20 pcs) **Step system 2.0** ceramic brackets .022", 1 **MEMORIA®** archwire round Ø .014" upper, 1 **MEMORIA®** archwire round Ø .014" lower, 4 modules (24 pcs) **SLIDE AQUA** ligatures medium, 2 modules (12 pcs) **SLIDE AQUA** ligatures small, 4 pcs D.B. **MIM®** tubes welded and brazed to MAXI base



**D.B. MIM® TUBES**  
**WELDED AND BRAZED ON MAXI BASE**

Packs of 10

	torque	rotat.	slot	
7 6   6 7				-14° +8° .022" R <b>F8321M12</b> L <b>F8321M13</b>
7 6   6 7				-20° +8° .022" R <b>F8321M16</b> L <b>F8321M17</b>

# D.B. aesthetic brackets Logic Line Roth system

## D.B. LOGIC LINE BRACKETS 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"	
			4	+12° +5° 1 F5921-12 1 F5921-13
			3.4	+8° +9° 2 F5922-12 2 F5922-13
			3.3	-2° +13° 3 F5913-12 3 F5913-13
			3.3	-7° 0° 4 F5919-12 4 F5919-13
			3.3	-7° 0° 5 F5919-12 5 F5919-13
			2.8	0° 1 F5920-05
			2.8	0° 2 F5920-05
			3.3	-11° +7° 3 F5913-16 3 F5913-17
			3.3	-17° 0° 4 F5914-16 4 F5914-17
			3.3	-22° 0° 5 F5915-16 5 F5915-17

**Roth** system **Logic Line** in **ceramics**

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

## D.B. LOGIC LINE BRACKETS 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"	
			3.6	+12° +5° 1 F5421-32 1 F5421-33
			3	+8° +9° 2 F5422-32 2 F5422-33
			3.3	-2° +13° 3 F5413-32 3 F5413-33
			3.3	-7° 0° 4 F5419-12 4 F5419-13
			3.3	-7° 0° 5 F5419-12 5 F5419-13
			2.8	0° 1 F5420-05
			2.8	0° 2 F5420-05
			3.3	-11° +7° 3 F5413-36 3 F5413-37
			3.3	-17° 0° 4 F5414-16 4 F5414-17
			3.3	-22° 0° 5 F5415-16 5 F5415-17

**Roth** system **Logic Line**  
in **copolymer**

	20 brackets 1 case	200 brackets 10 cases
	<b>F5410-94</b>	<b>F5411-94</b>



## mechanical retention

induced by the enforcement of Zirconia micro ball beads over the 2/3 of the surface



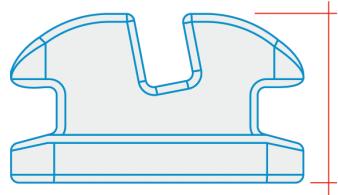
## innovative plasma surface treatment

reduces friction in the slot/arch wire interface and enhances the structural integrity of the bracket



## presence of a "step" to the side of the base

favours a firm grip of the tweezers on the mesio/distal surface of the bracket



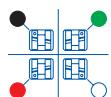
## maximum comfort

guaranteed by extremely reduced profile and bevelled bracket edges

The extremely reduced profile and bevelled bracket edges minimise discomfort and promote the cooperation of the patient. The diagonal shape makes the correct positioning easier due to the intuitive alignment with the long axis of the tooth. The presence of a "step" to the side of the base favours a firm grip of tweezers on the mesio/distal surface of the bracket, thus avoiding any interference in positioning; it also promotes the identification and elimination of adhesive excess during bonding phases and makes the engagement of the debonding pliers intuitive.

The base is provided with a mechanical retention induced by the enforcement of Zirconia micro ball beads over the 2/3 of the surface in order to ensure the necessary bond strength during the therapy but also allowing for easy and safe removal at the end of treatment. The innovative plasma surface treatment reduces friction in the slot/arch wire interface and enhances the structural integrity of the bracket.

### The identification of Leone aesthetic brackets is easy:



A colour dot identifies the disto-gingival edge on aesthetic brackets pre-adjusted 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. GHIACCIO BRACKETS

**GHIACCIO** brackets combine exceptional transparency and hardness of monocrystalline biomedical sapphire with the most sophisticated features that make these aesthetic brackets ideal to meet any biomechanical modern needs for aesthetics and comfort. The extremely reduced profile and bevelled bracket edges minimise discomfort and promote the cooperation of the patient.

Packs of 1



### GHIACCIO Roth system

	torque	ang.	.018" x .030"	.022" x .030"
		+12°	+5°	 F5681-12  F5681-13
		+8°	+9°	 F5682-12  F5682-13
		-2°	+13°	 F5673-12  F5673-13
		-7°	0°	 F5679-02  F5679-03
		-7°	0°	 F5679-02  F5679-03
		0°		 F5680-06  F5680-07
		0°		 F5680-06  F5680-07
		-11°	+7°	 F5673-16  F5673-17
		-17°	0°	 F5674-06  F5674-07
		-22°	0°	 F5675-06  F5675-07

### GHIACCIO MBT\* system

	torque	ang.	.022" x .030"
		+17°	+4°
		+10°	+8°
		-7°	+8°
		-7°	0°
		-7°	0°
		-6°	0°
		-6°	0°
		-6°	+3°
		-12°	+2°
		-17°	+2°

### GHIACCIO Roth system

	6 brackets	10 brackets	12 brackets	20 brackets
	 3 2 1   1 2 3	 5 4 3 2 1   1 2 3 4 5	 3 2 1   1 2 3	 5 4 3 2 1   1 2 3 4 5
.018"	<b>F5606-81</b>	<b>F5610-81</b>	<b>F5612-81</b>	<b>F5620-82</b>
.022"	<b>F5606-21</b>	<b>F5610-21</b>	<b>F5612-21</b>	<b>F5620-22</b>

### GHIACCIO MBT\* system

	6 brackets	10 brackets	12 brackets	20 brackets
	 3 2 1   1 2 3	 5 4 3 2 1   1 2 3 4 5	 3 2 1   1 2 3	 5 4 3 2 1   1 2 3 4 5
.022"	<b>F5506-21</b>	<b>F5510-21</b>	<b>F5512-21</b>	<b>F5520-20</b>

\*MBT is a Trademark of 3M Unitek.

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.

**new**

**Aquic SL**  
Ceramic Brackets Self-Ligating

## round hook

maximum patient comfort and safe sealing of elastics

## wings

large undercut to seal ligatures and accessories

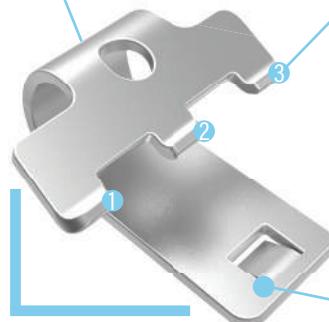
## clip in nickel-titanium

large as the mesio-distal slot width, facilitates the insertion of archwires thus giving the highest biomechanical control



## base

anatomical base curvature for a perfect adaptation to the tooth surface which minimizes the amount of compound employed, ensuring a perfect seal



## beveled slot

rounded mesial-distal edges to avoid notching and minimize binding

## design of anterior edge

with 3 keeper notches which permit a correct central closure for maximum stability during treatment

## open/close

reliable over time and elastic memory of the nickel titanium alloy guaranteed



## biomechanical dynamic control

the special shape of the clip and the gradual interaction with the wire permit the calibration of friction in the different stages of treatment



### passive phase

round archwires do not get in contact with the clip so they can slide inside the slot by facilitating the process of alignment and leveling.



### interactive phase

rectangular archwires used for space closure during control of rotation and torque, deform the metal clip elastically with a biomechanical gain control necessary for this stage of treatment



### active phase

rectangular archwires for finishing and detailing fill completely the slot by going into active contact with the clip: that permits to take advantage of metal superelastic properties and gets the smallest movements for finishing of treatment



## D.B. AQUA SL self-ligating BRACKETS

**AQUA SL** ceramic brackets combine the highest translucence with biomechanical control performance of interactive self-ligating brackets.

Made with CIM technology (Ceramic Injection Molding) with clip in nickel-titanium. Rhodium plated surface reduces light reflection and ensures minimal visibility of brackets.

Packs of 1

### AQUA SL self-ligating ROTH system

	torque	ang.	.022" x .030"	
			+12°	+5°
			+8°	+9°
			-2°	+13°
			-7°	0°
			-7°	0°
			0°	
			0°	
			-11°	+7°
			-17°	0°
			-22°	0°

Lower bicuspids in stainless steel

### AQUA SL self-ligating MBT\* system

	torque	ang.	.022" x .030"	
			+17°	+4°
			+10°	+8°
			-7°	+8°
			-7°	0°
			-7°	0°
			-6°	0°
			-6°	0°
			-12°	+2°
			-17°	+2°

Lower bicuspids in stainless steel

### AQUA SL self-ligating ROTH system

	1 case - 20 brackets
	5 4 3 2 1   1 2 3 4 5
	5 4 3 2 1   1 2 3 4 5

.022"

**F5750-91**



### AQUA SL self-ligating MBT\* system

	1 case - 20 brackets
	5 4 3 2 1   1 2 3 4 5
	5 4 3 2 1   1 2 3 4 5

.022"

**F5740-91**



## D.B. AQUA CERAMIC BRACKETS

**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.

Packs of 1

### AQUA Roth system

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

### AQUA Ricketts system

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

### AQUA Roth system

	6 brackets	10 brackets	12 brackets	20 brackets
	<u>3 2 1   1 2 3</u>	<u>5 4 3 2 1   1 2 3 4 5</u>	<u>3 2 1   1 2 3</u>	<u>5 4 3 2 1   1 2 3 4 5</u>
			<u>3 2 1   1 2 3</u>	<u>5 4 3 2 1   1 2 3 4 5</u>
.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   1 2 3</u>	<u>5 4 3 2 1   1 2 3 4 5</u>	<u>3 2 1   1 2 3</u>	<u>5 4 3 2 1   1 2 3 4 5</u>
			<u>3 2 1   1 2 3</u>	<u>5 4 3 2 1   1 2 3 4 5</u>
.018"	<b>F5806-80</b>	<b>F5810-80</b>	<b>F5812-80</b>	<b>F5820-80</b>
.022"				

# recommended tubes for the treatment of molars

## Edgewise, Super Edgewise, Edgewise mini, Tweed system

### MIM® TUBES

	torque	rotat.	round tube diam.	rect. tube slot	weldable tubes	direct bonding tubes	molar band with tube		<b>WEB®</b> packs of 5
							<b>CALIBRA®</b> packs of 10	<b>CALIBRA®</b> packs of 5	
	<u>6 6</u>	0°	.051" ging.	.018"	R <b>G8085-02</b> L <b>G8085-03</b>	<b>F8085-22</b> <b>F8085-23</b>	on request	on request	on request
				.022"	R <b>G8025-02</b> L <b>G8025-03</b>	<b>F8025-22</b> <b>F8025-23</b>	<b>E1420-00</b> <b>E1430-00</b>	<b>E1425-00</b> <b>E1435-00</b>	on request
	<u>6 6</u>	0°	.051" ging.	.018"	R <b>G8085-03</b> L <b>G8085-02</b>	<b>F8085-23</b> <b>F8085-22</b>	on request	on request	on request
				.022"	R <b>G8025-03</b> L <b>G8025-02</b>	<b>F8025-23</b> <b>F8025-22</b>	<b>E1460-00</b> <b>E1470-00</b>	<b>E1465-00</b> <b>E1475-00</b>	on request

### CONVERTIBLE MIM® TUBES

	torque	rotat.	round tube diam.	rect. tube slot	weldable tubes	direct bonding tubes	molar band with tube		<b>WEB®</b> packs of 5
							<b>CALIBRA®</b> packs of 10	<b>CALIBRA®</b> packs of 5	
	<u>6 6</u>	0°	.051" ging.	.018"	R <b>G8185-02</b> L <b>G8185-03</b>	on request			
				.022"	R <b>G8125-02</b> L <b>G8125-03</b>	on request			
	<u>6 6</u>	0°	.051" ging.	.018"	R <b>G8185-03</b> L <b>G8185-02</b>	on request			
				.022"	R <b>G8125-03</b> L <b>G8125-02</b>	on request			

### BRACKETS

	torque	rotat.	slot	weldable brackets	direct bonding brackets	molar bands with bracket		<b>WEB®</b> packs of 5
						<b>CALIBRA®</b> packs of 10	<b>CALIBRA®</b> packs of 5	
	<u>6 6</u>	0°	.018"	R <b>G2086-14</b> L <b>G2086-14</b>	<b>F2086-14</b>			
				R <b>G2026-14</b> L <b>G2026-14</b>	<b>F2026-14</b>			
	<u>6 6</u>	0°	.018"	R <b>G2080-44</b> L <b>G2080-44</b>	<b>F2081-01</b>			
				R <b>G2020-44</b> L <b>G2020-44</b>	<b>F2021-01</b>			

Packs of 10

Packs of 100 on request

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

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

## MIM® TUBES

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

## CONVERTIBLE MIM® TUBES

	torque	rotat.	round tube diam.	rect. tube slot	weldable tubes	direct bonding tubes	molar band with tube		WEB® packs of 5
							CALIBRA® packs of 10	packs of 5	
	<u>6 6</u>	-10°	+8°	.051" ging.	.018"	R G8485-02 L G8485-03	F8485-02 F8485-03		
					.022"	R G8425-02 L G8425-03	F8425-02 F8425-03		
	<u>6 6</u>	-25°	+8°	.051" ging.	.018"	R G8485-06 L G8485-07	F8485-06 F8485-07		
					.022"	R G8425-06 L G8425-07	F8425-06 F8425-07		

Molar bands **CALIBRA®** o **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	rotat.	round tube diam.	rect. tube slot	weldable tubes	direct bonding tubes	molar band with tube		WEB®	
							Packs of 10	Packs of 5	Packs of 10	Packs of 5
	6 6	0°	.045" ging.	.018"	R G8084-12 L G8084-13	F8084-12 F8084-13	on request	on request	on request	E8820-00 E8830-00
				.022"	R G8024-12 L G8024-13	F8024-12 F8024-13	on request	on request	on request	on request
	6 6	-10° +8°	.045" ging.	.018"	R G8384-12 L G8384-13	F8384-12 F8384-13	on request	on request	on request	on request
				.022"	R G8324-12 L G8324-13	F8324-12 F8324-13	on request	on request	on request	on request
	6 6	-14° +8°		.018"	R G8070-02 L G8070-03	F8070-02 F8070-03	on request	on request	on request	on request
				.022"	R G8010-02 L G8010-03	F8010-02 F8010-03	on request	on request	on request	on request
	6 6	0°		.018"	R G8070-16 L G8070-17	F8570-02 * F8570-03 *	on request	on request	on request	E8860-00 E8870-00
				.022"	R G8010-16 L G8010-17	F8510-02 * F8510-03 *	on request	on request	on request	on request
	6 6	-25° +8°		.018"	R G8070-06 L G8070-07	F8070-06 F8070-07	on request	on request	on request	on request
				.022"	R G8010-06 L G8010-07	F8010-06 F8010-07	on request	on request	on request	on request

\* Extremo No-nickel

## CONVERTIBILE MIM® TUBES

	torque	rotat.	round tube diam.	rect. tube slot	weldable tubes	direct bonding tubes
	6 6	0°	.045" ocl.	.018"	R G8184-22 L G8184-23	F8184-22 F8184-23
				.022"	R G8124-22 L G8124-23	F8124-22 F8124-23
	6 6	-10° +8°	.045" ocl.	.018"	R G8484-22 L G8484-23	F8484-22 F8484-23
				.022"	R G8424-22 L G8424-23	F8424-22 F8424-23
	6 6	-14° +8°		.018"	R G8470-02 L G8470-03	F8470-02 F8470-03
				.022"	R G8410-02 L G8410-03	F8410-02 F8410-03
	6 6	0°		.018"	R G8170-16 L G8170-17	F8170-16 F8170-17
				.022"	R G8110-16 L G8110-17	F8110-16 F8110-17
	6 6	-25° +8°		.018"	R G8470-06 L G8470-07	F8470-06 F8470-07
				.022"	R G8410-06 L G8410-07	F8410-06 F8410-07

Molar bands **CALIBRA®** o **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**

			rect. tube torque	rect. tube rot.	round tube diam.	direct bonding tubes		
						rect. tube	.018"x.025"	rect. tube
	<u>6 6</u>	double		0°	.051" ging.	R L	<b>F8085-22</b> <b>F8085-23</b>	<b>F8025-22</b> <b>F8025-23</b>
	<u>6 6</u>	double	-10°	+8°	.051" ging.	R L	<b>F8385-02</b> <b>F8385-03</b>	<b>F8325-02</b> <b>F8325-03</b>
	<u>6 6</u>	double	-25°	+8°	.051" ging.	R L	<b>F8385-06</b> <b>F8385-07</b>	<b>F8325-06</b> <b>F8325-07</b>
	<u>6 6</u>	double		0°	.045" occl.	R L	<b>F8084-32</b> <b>F8084-33</b>	<b>F8024-32</b> <b>F8024-33</b>
	<u>6 6</u>	double		0°	.051" occl.	R L	<b>F8085-42</b> <b>F8085-43</b>	<b>F8025-42</b> <b>F8025-43</b>
	<u>6 6</u>	double	-10°	+8°	.045" occl.	R L	<b>F8384-32</b> <b>F8384-33</b>	<b>F8324-32</b> <b>F8324-33</b>
	<u>6 6</u>	double	-10°	+8°	.051" occl.	R L	<b>F8385-22</b> <b>F8385-23</b>	<b>F8325-22</b> <b>F8325-23</b>
	<u>6 6</u>	triple		0°	.045" ging.	R L	<b>F8084-12</b> <b>F8084-13</b>	<b>F8024-12</b> <b>F8024-13</b>
	<u>6 6</u>	triple	-10°	+8°	.045" ging.	R L	<b>F8384-12</b> <b>F8384-13</b>	<b>F8324-12</b> <b>F8324-13</b>
	<u>6 6</u>	triple		0°	.045" occl.	R L	<b>F8084-22</b> <b>F8084-23</b>	<b>F8024-22</b> <b>F8024-23</b>
	<u>6 6</u>	triple		0°	.051" occl.	R L	<b>F8085-32</b> <b>F8085-33</b>	<b>F8025-32</b> <b>F8025-33</b>
	<u>6 6</u>	triple	-10°	+8°	.045" occl.	R L	<b>F8384-22</b> <b>F8384-23</b>	<b>F8324-22</b> <b>F8324-23</b>
	<u>6 6</u>	triple	-10°	+8°	.051" occl.	R L	<b>F8385-12</b> <b>F8385-13</b>	<b>F8325-12</b> <b>F8325-13</b>
	<u>6 6</u>	rectangular double with ball hook		-14	+8°	R L	<b>F8070-02</b> <b>F8070-03</b>	<b>F8010-02</b> <b>F8010-03</b>
	<u>6 6</u>	rectangular double with ball hook		-25°	+8°	R L	<b>F8070-06</b> <b>F8070-07</b>	<b>F8010-06</b> <b>F8010-07</b>
	<u>7 7</u>	partially erupted		-15°	0°	R L	<b>F7980-01</b>	<b>F7920-01</b>

Packs of 10

Packs of 100 on request

## D.B. TUBES EXTREMO NO-NICKEL

Single piece tubes manufactured with **MIM®** technology in a biocompatible nickel free\* alloy.

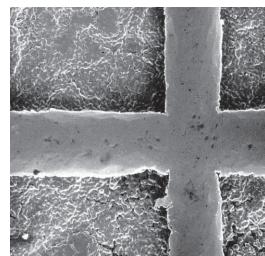
The Extremo No-Nickel base, anatomical with micro highly retentive cavities, perfectly fits the tooth and ensures an excellent bond with the use of any kind of adhesives.

Packs of 10

Packs of 100 on request

### funneled entry way

for ease of wire insertion



### anatomical mesh base

with micro cell  
internal surface



### low profile design

that helps reduce  
occlusal interference

### occlusal indent

for a perfect anatomical fit  
to molars

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

\*Nickel trace elements of ≤ 0,1% are due to the process of manufacturing

## D.B. MIM® SINGLE TUBES LOW PROFILE WITH FDI IDENTIFICATION

These D.B. single tubes, made using **MIM®** technology, combine contemporary design with the comfort for the patient. The anatomical 80 mesh gauge pad fits perfectly on the tooth for an excellent reliability.  
Packs of 10

### mesial funneled entry way

facilitates the insertion of the archwire



**new**

### occluso- gingival parallel planes

provide a secure grip with tweezers

### torque-in-base

minimizes occlusal contacts



### ideal length

maximizes rotation control



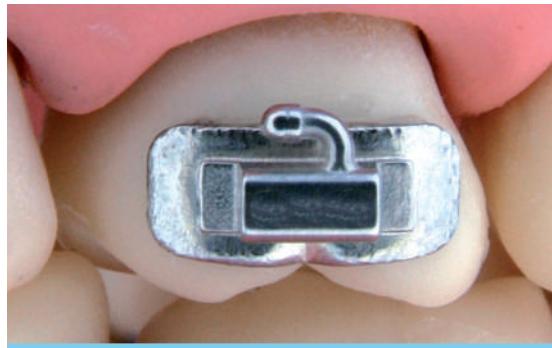
### vestibular indent

facilitates proper position on the tooth bonding phase

### anatomical mesh pad

with intercuspid indent, 80 mesh and FDI identification

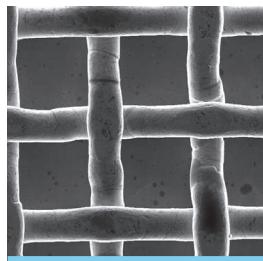
	torque	rotat.	slot	direct bonding tubes
7 6   6 7				-14° +8° .022" R <b>F8311-16</b>
				.022" L <b>F8311-26</b>
7 6   6 7				-20° +8° .022" R <b>F8311-46</b>
				.022" L <b>F8311-36</b>



## F2800-00 D.B. MAXI MESH PAD

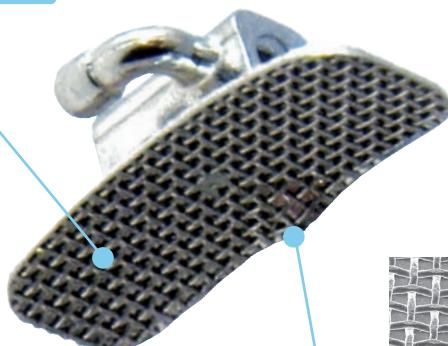
Each Leone **MIM®** tube is available soldered on the anatomical direct bonding **MAXI** mesh pad. Made of biomedical stainless steel, the anatomical **MAXI** pad is combined with the mesh through a sintering process allowing a perfect joint, without any variation in dimensions and geometry or any reduction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

Packs of 10



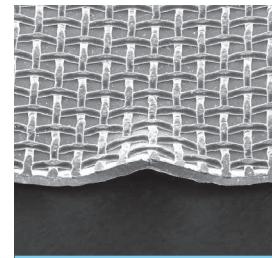
### 80 gauge mesh

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"

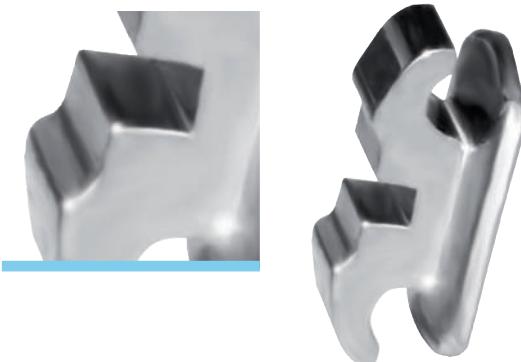
When ordering for customized tubes soldered on the **MAXI** mesh pad F2800-00, the right code number of the tube and the solder position\* of the round tube shall be indicated (\*which however must combine with the prescriptions of the selected tube).

Minimum quantity per order: packs of 10.

High quality free soldering service made with an industrial process.

**CAUTION: NO RETURNS OF CUSTOM PREWELDED MATERIAL WILL BE ACCEPTED FOR ANY REASON.**

**IDEA-L** lingual brackets feature small mesio-distal sizes, 1.4 mm depth and a special bracket design which make the application of **SLIDE** ligatures easy. In most cases, the use of a round wire **MEMORIA® .012** is sufficient to get the solution of overcrowding and the aesthetical improvement of smile. In cases of dental rotations and/or major misplacements, wires of higher diameter, like **MEMORIA®** or Beta **MEMORIA®**, and conventional ligatures may also be used to gain biomechanical control. To get perfect alignment and levelling of the anterior teeth, an accurate position of the bracket is necessary; it is therefore advisable to use an indirect bonding technique with arch transfer trays made in the laboratory or with the special "Jigs" conceived for this technique.



## profile of 1,4 mm depth

for patient acceptance and minimal speech issues

## SLIDE ligature

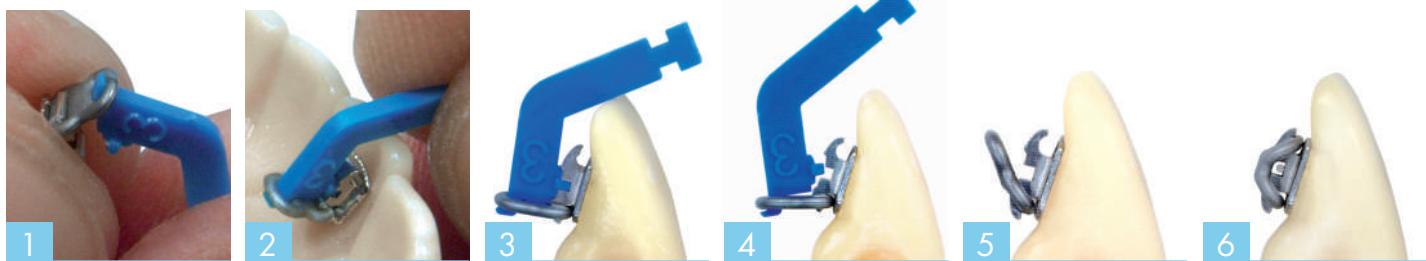
embodies the profile of the bracket, making it smooth and comfortable



## custom design

makes the application of the **SLIDE** ligature easy and keeps it in place during treatment

## SPECIAL PLASTIC JIG



Assemble jig on the bracket with the **SLIDE** 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** ligature under the gingival wing

Bracket with wire and the **SLIDE** ligature in place

# IDEA-L lingual brackets

## IDEA-L system

	1.4		1.6		Torque		ang.		.018" x .030"
					0°		1		F4980-04
					0°		2		F4980-04
					0°		3		F4980-04
					0°		4		F4984-04
					0°		1		F4980-04
					0°		2		F4980-04
					0°		3		F4980-04
					0°		4		F4984-04

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



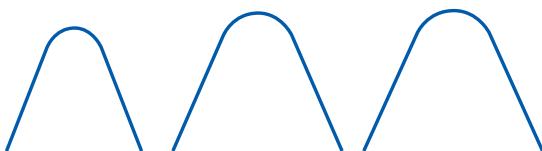
Courtesy of Dr. F. Giuntoli

## 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 49) to select the correct archwire shape.

Packs of 2



**MEMORIA®** lingual archwires

∅ 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>

Beta **MEMORIA®** lingual archwires

.016	<b>C4970-16</b>	<b>C4971-16</b>	<b>C4972-16</b>
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## 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 Packs of 20

<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

- |                 |                             |
|-----------------|-----------------------------|
| <b>F2860-00</b> | Flat button                 |
| <b>F2870-00</b> | Curved button               |
| <b>F2893-00</b> | Curved lug for elastics     |
| <b>F2890-00</b> | Flat lug for elastics       |
| <b>F2820-00</b> | Gull winged cleat           |
| <b>F2822-00</b> | Cleat low profile           |
| <b>F2824-00</b> | Low profile cleat for molar |
| <b>F2810-00</b> | 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 **nickel free\*** alloy. 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



**F9060-00**  
Low flat

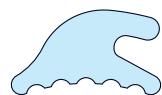


**F9070-00**  
Deep curved

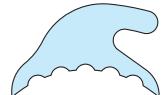


## D.B. NATURA® HOOKS

Designed by Dr. Massimo Ronchin. Made of siliceous copolymer.  
Packs of 10



**F5060-00**  
Flat



**F5060-01**  
Curved

\*Nickel trace elements of ≤ 0,1% are due to the process of manufacturing



## 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

## REFILLS

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

## F3107-00

### PRIMER FOR D.B. AESTHETIC BRACKETS

Necessary for bonding fiber glass and micro-filled copolymer 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





## 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

## REFILLS

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

## 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





## UPPER RETAINER CENTRAL TO CENTRAL

**F3812-93**  
**UPPER RETAINER  
CENTRAL TO CENTRAL KIT**  
Assorted kit of 20



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



## UPPER RETAINER LATERAL TO LATERAL

**F3822-93**  
**UPPER RETAINER LATERAL TO LATERAL KIT**  
Assorted kit of 20



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



## 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.

**F3836-93**  
**LOWER RETAINER CUSPID TO CUSPID KIT**  
Assorted kit of 10



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



## F3810-27 FLAT WOVEN WIRE FOR RETAINER

Ideal to get minimally invasive and resistant splinting. The high plasticity of the wire permits the exact fit to the anatomy of the tongue while its woven geometry favors the union with the composite.  
Coil of 1.5 m



**F3940-95**  
**DIASEMMA KIT**  
Pack: 20 tubes and 10 springs

### REFILLS

<b>F3941-00</b>	Springs	Packs of 10
<b>F3942-00</b>	Tubes	