

DIRECT BONDING



	Edgewise	Super Edgewise	Tweed	Andrews	Roth	STEP system 2.0	Bidimensionali Boston	MBT*	Alexander	Ricketts	Burstone								
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MAXILLARY ARCH																			
	torq.	ang.	torq.	ang.	torq.	ang.	torq.	ang.	torq.	ang.	torq.	ang.							
<u>1 1</u> central	0°	0°	0°	+7°	+5°	+12°	+5°	+17°	+4°	+12°	+5°	+17°	+4°	+14°	+5°	+22°	0°	+12°	+5°
<u>2 2</u> lateral	0°	0°	0°	+3°	+9°	+8°	+9°	+9°	+8°	+8°	+9°	+10°	+8°	+7°	+8°	+14°	+8°	+8°	+9°
<u>3 3</u> cuspid	0°	0°	0°	-7°	+11°	-2°	+13°	-7°	+13°	0°	+7°	-7°	+8°	-3°	+10°	+7°	+5°	-7°	+5°
<u>4 4</u> 1° bicuspid	0°	0°	0°	-7°	0°	-7°	0°	-7°	+2°	0°		-7°	0°	-7°	0°	0°	0°	-7°	0°
<u>5 5</u> 2° bicuspid	0°	0°	0°	-7°	0°	-7°	0°	-7°	+2°	0°		-7°	0°	-7°	0°	0°	0°	-7°	0°
MANDIBULAR ARCH																			
<u>1 1</u> central	0°	0°	0°	0°	0°	-6°	0°	0°	0°	-6°	0°	-6°	0°	-5°	0°	0°	0°	0°	0°
<u>2 2</u> lateral	0°	0°	0°	0°	0°	-6°	0°	0°	0°	-6°	0°	-6°	0°	-5°	0°	0°	0°	0°	0°
<u>3 3</u> cuspid	0°	0°	0°	-11°	+5°	-11°	+7°	-6°	+5°	0°	+6°	-6°	+3°	-7°	+6°	+7°	+5°	-11°	+6°
<u>4 4</u> 1° bicuspid	0°	0°	0°	-17°	0°	-17°	0°	-12°	+2°	0°		-12°	+2°	-11°	0°	0°	0°	-17°	0°
<u>5 5</u> 2° bicuspid	0°	0°	0°	-22°	0°	-22°	0°	-17°	+2°	0°		-17°	+2°	-17°	0°	-15°	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.

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

*MBT is a Trademark of 3M Unitek

Inter.\activeSL



ball hooks

perfectly spherical and low profile for maximum comfort



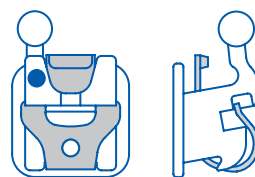
MIM® technology

the ideal technology for the complexity of the design, maximum accuracy of slot and under tie wings

tie wings

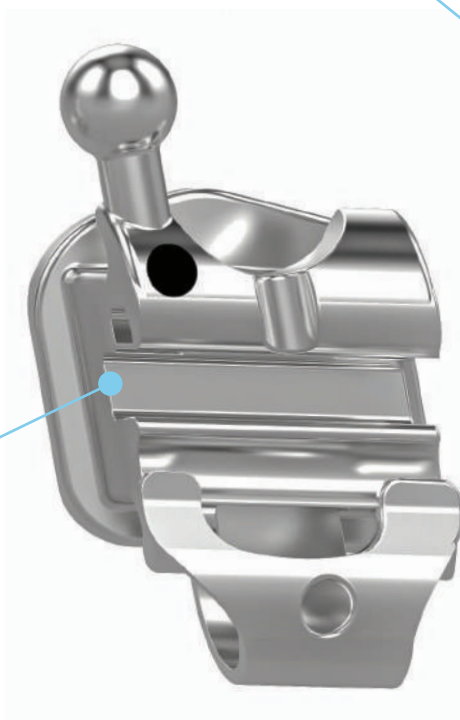
for the application of any kind of ligature in the eventual need for a biomechanical total control.

spring clip



beveled slot on mesio-distal edge

allows sliding of archwires for heavy misalignments, while avoiding notching and binding.



made of a highly elastic alloy, it guarantees easy and safe open/close movements. The sliding portion of the clip is constrained between the base and the body of the bracket by a laser welding that prevents the possibility of detachment

MAXIMUM COMFORT AND VERSATILITY

InterActive SL self-ligating brackets, due to their design and reduced dimensions, offer a very comfortable treatment for the patient without loss of control. The interactive clip ensures an efficient clinical management with progressive biomechanical control to take advantage of the low friction early in treatment stages, while achieving perfect finishing with the final archwires.

MATERIAL & DESIGN

The bracket body is made of biomedical steel and is laser welded on the 80 mesh gauge base with FDI identification. The colored dot with disto-gingival identification indicates each bracket quadrant, with the same color code of all Leone bracket range.

INTERACTIVE CONTROL

The specific shape of clip and slot of InterActive brackets allows the user to modulate the most appropriate level of friction force between bracket and wire, depending on the needs of the various stages of treatment.



Passive phase

First stage round arches are not bound by the clip: the low friction will facilitate the process of alignment and leveling



Interactive phase

Rectangular arch wires, used for space closure, rotation, and torque control, work to elastically deform the clip for the biomechanical control necessary in these stages of treatment



Active phase

Rectangular arches for finishing and detailing completely fill the slot while going into active contact with clip: this allows the exploitation of elastic properties in order to obtain minimal movements for finishing of treatment.

EASY OPEN/CLOSE

The clip has a central hole and does not require any special tool for opening and closing.



Opening

Insert the tip of a probe or utility tool into the hole in the clip and move towards the occlusal plane



Closing

Slide the clip with a slight pressure towards the gums using a tool tip or even just a finger

INTERACTIVE SL D.B. BRACKETS

Pack of 5



INTERACTIVE SL Roth system

			torque	ang.		.022"x.030"	
		2.8	+12°	+5°	$\frac{1}{1}$	F1100-11	F1100-21
		2.6	+8°	+9°	$\frac{2}{2}$	F1100-12	F1100-22
		2.8	-2°	+13°	$\frac{3}{3}$	F1100-13	F1100-23
		2.8	-7°	0°	$\frac{4}{4}$	F1100-14	F1100-24
		2.8	-7°	0°	$\frac{5}{5}$	F1100-15	F1100-25
		2.5	0°		$\frac{1}{1}$	F1100-41	F1100-31
		2.5	0°		$\frac{2}{2}$	F1100-42	F1100-32
		2.8	-11°	+7°	$\frac{3}{3}$	F1100-43	F1100-33
		2.8	-17°	0°	$\frac{4}{4}$	F1100-44	F1100-34
		2.8	-22°	0°	$\frac{5}{5}$	F1100-45	F1100-35



INTERACTIVE SL MBT* system

			torque	ang.		.022"x.030"	
		2.8	+17°	+4°	$\frac{1}{1}$	F1102-11	F1102-21
		2.6	+10°	+8°	$\frac{2}{2}$	F1102-12	F1102-22
		2.8	-7°	+8°	$\frac{3}{3}$	F1102-13	F1102-23
		2.8	-7°	0°	$\frac{4}{4}$	F1100-14	F1100-24
		2.8	-7°	0°	$\frac{5}{5}$	F1100-15	F1100-25
		2.5	-6°	0°	$\frac{1}{1}$	F1102-41	F1102-31
		2.5	-6°	0°	$\frac{2}{2}$	F1102-42	F1102-32
		2.8	-6°	+3°	$\frac{3}{3}$	F1102-43	F1102-33
		2.8	-12°	+2°	$\frac{4}{4}$	F1102-44	F1102-34
		2.8	-17°	+2°	$\frac{5}{5}$	F1102-45	F1102-35



INTERACTIVE SL Roth system

	20 brackets 1 case	200 brackets 10 cases
.022"	F1100-91	F1101-91



INTERACTIVE SL MBT* system

	20 brackets 1 case	200 brackets 10 cases
.022"	F1100-92	F1101-92

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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.

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

rounded edges

to ensure the best patient comfort



anatomical bonding base

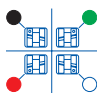
designed to match the anatomy of the tooth

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 anteriors which has to be always positioned to the incisal side to minimize occlusal interference.



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



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.



Edgewise standard 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	F2013-02	
					F2073-03	F2013-03	
			0°	$\frac{4}{4}$	F2089-04	F2029-04	
			0°	$\frac{5}{5}$	F2089-04	F2029-04	
			0°	$\frac{5}{5}$	F2079-02	F2019-02	
					F2079-03	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	F2013-03	
					F2073-02	F2013-02	
			0°	$\frac{4}{4}$	F2089-04	F2029-04	
			0°	$\frac{5}{5}$	F2089-04	F2029-04	
			0°	$\frac{5}{5}$	F2079-03	F2019-03	
					F2079-02	F2019-02	



Super Edgewise system with vertical slot

		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	F2113-02	
					F2173-03	F2113-03	
			0°	$\frac{4}{4}$	F2189-04	F2129-04	
			0°	$\frac{5}{5}$	F2189-04	F2129-04	
			0°	$\frac{5}{5}$	F2179-02	F2119-02	
					F2179-03	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	F2113-03	
					F2173-02	F2113-02	
			0°	$\frac{4}{4}$	F2189-04	F2129-04	
			0°	$\frac{5}{5}$	F2189-04	F2129-04	
			0°	$\frac{5}{5}$	F2179-03	F2119-03	
					F2179-02	F2119-02	

Pack of 10

Pack of 10

THIS SYSTEM IS ALSO AVAILABLE WITH POSITIONER (SEE PAGE 98)

THIS SYSTEM IS ALSO AVAILABLE WITH POSITIONER (SEE PAGE 98)

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 with vertical slot

.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			





Edgewise Mini system

		torque		ang.		.018"x.030"		.022"x.030"	
			3.3	0°			F2281-01	F2221-01	
			2.7	0°			F2282-01	F2222-01	
			2.7	0°			F2283-04	F2223-04	
			2.7	0°			F2289-04	F2229-04	
			2.7	0°			F2289-04	F2229-04	
			2.1	0°			F2280-05	F2220-05	
			2.1	0°			F2280-05	F2220-05	
			2.7	0°			F2283-04	F2223-04	
			2.7	0°			F2289-04	F2229-04	
			2.7	0°			F2289-04	F2229-04	

Pack 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 exclusively sold in original Leone packaging: kits of 1, 10, 25, 50 cases and refill packages of 10. Each single-case kit is sealed closed, providing a guarantee of hygiene and cleanliness when opened in the presence of the patient. The back label displays the product code, description, lot number and product symbols.

The 10-case kits are made with ABS plastic. A large label on the kit cover displays the product code, description and lot number; the same information is also clearly displayed on the front drawers of the conveniently stackable Leone kits.

Inside the trays, a clear plastic cover protects the brackets, as well as provides information pertaining to their correct placement.





Tweed system

		torque	ang.	.018"x.030"	.022"x.030"		
			0°	$\frac{1}{1}$	F2080-11	F2020-11	
			0°	$\frac{2}{2}$	F2080-11	F2020-11	
			0°	$\frac{3}{3}$	F2083-24	F2023-24	
			0°	$\frac{4}{4}$	F2089-14	F2029-14	
			0°	$\frac{5}{5}$	F2089-14	F2029-14	
			0°	$\frac{1}{1}$	F2080-15	F2020-04	
			0°	$\frac{2}{2}$	F2080-15	F2020-04	
			0°	$\frac{3}{3}$	F2083-24	F2023-24	
			0°	$\frac{4}{4}$	F2089-14	F2029-14	
			0°	$\frac{5}{5}$	F2089-14	F2029-14	

Pack of 10

THIS SYSTEM IS ALSO AVAILABLE WITH POSITIONER (SEE PAGE 98)



Andrews system

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

Pack of 10

THIS SYSTEM IS ALSO AVAILABLE WITH POSITIONER (SEE PAGE 98)



Tweed system

	20 brackets - 1 case		200 brackets - 10 cases		500 brackets - 25 cases		1000 brackets - 50 cases	
	with hook		with hook					
.018"	F2080-93		F2081-93		F2083-93		F2085-93	
.022"	F2020-93		F2021-93		F2023-93		F2025-93	

Andrews system

.018"	F2480-92	F2470-93	F2481-92	F2471-93	F2483-92		F2485-92	
.022"	F2420-93	F2410-93	F2421-93	F2411-93	F2423-93		F2425-93	

D.B. metal brackets standard



Roth system

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

Pack of 10



THIS SYSTEM IS ALSO AVAILABLE WITH POSITIONER (SEE PAGE 98)



Ricketts system

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

Pack of 10



THIS SYSTEM IS ALSO AVAILABLE WITH POSITIONER (SEE PAGE 98)

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			
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Boston system

		torque		ang.		.018"x.030"		.022"x.030"	
			+12°	+5°	$\frac{1}{1}$	F2481-22	F2481-23		
			+8°	+9°	$\frac{2}{2}$	F2482-42	F2482-43		
			0°	+7°	$\frac{3}{3}$			F2123-02	F2123-03
			0°	+7°	$\frac{3}{3}$			F2113-12	F2113-13
			0°		$\frac{4}{4}$			F2129-04	
			0°		$\frac{5}{5}$			F2129-04	
			0°		$\frac{1}{1}$			F2180-05	
			0°		$\frac{2}{2}$			F2180-05	
			0°	+6°	$\frac{3}{3}$			F2123-06	F2123-07
			0°	+6°	$\frac{3}{3}$			F2113-06	F2113-07
			0°		$\frac{4}{4}$			F2129-04	
			0°		$\frac{5}{5}$			F2129-04	

Pack of 10



THIS SYSTEM IS ALSO AVAILABLE WITH POSITIONER (SEE PAGE 98)



Burstone system

		torque		ang.		.022"x.030"	
			+12°	+5°	$\frac{1}{1}$	F2421-22	F2421-23
			+8°	+9°	$\frac{2}{2}$	F2422-22	F2422-23
			-7°	+5°	$\frac{3}{3}$	F2623-02	F2623-03
			-7°	0°	$\frac{4}{4}$		F2429-11
			-7°	0°	$\frac{5}{5}$		F2429-11
			-7°	0°	$\frac{5}{5}$	F2419-12	F2419-13
			0°		$\frac{1}{1}$		F2020-05
			0°		$\frac{2}{2}$		F2020-05
			-11°	+6°	$\frac{3}{3}$	F2623-06	F2623-07
			-17°	0°	$\frac{4}{4}$		F2429-05
			-22°	0°	$\frac{5}{5}$		F2429-15
			-22°	0°	$\frac{5}{5}$	F2419-16	F2419-17

Pack 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	
	F2120-95	F2110-95	F2121-95	F2111-95	F2123-95	F2113-95	F2125-95	F2115-95

Burstone system

.022"	F2620-91	F2610-91	F2621-91	F2611-91	F2623-91	F2625-91
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D.B. BRACKETS WITH PLASTIC POSITIONER

Available in the Edgewise, Super Edgewise, Tweed, Ricketts, Andrews, Boston, Roth system 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.

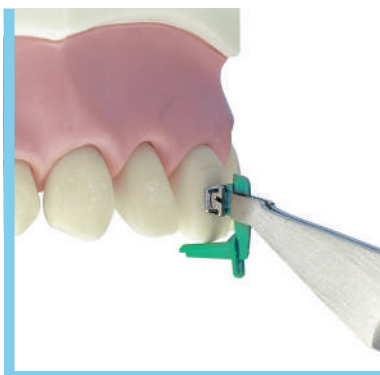
Pack of 5



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

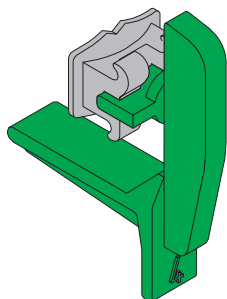
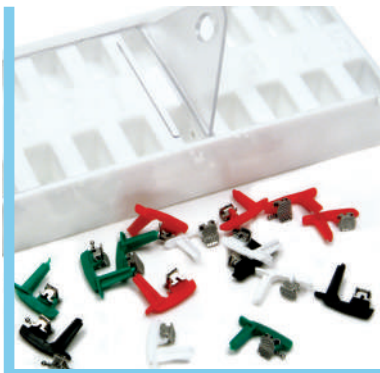
UR	BLACK	GREEN	LR
UL	RED	WHITE	LL

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				

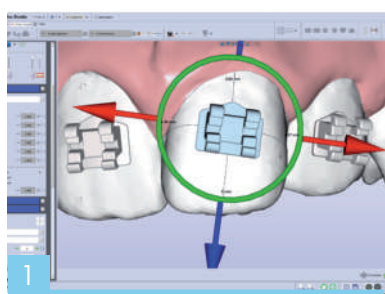
Example:

$\frac{2}{2}$ **F2022-31** = **F2022C31** black positioner $\frac{2}{}$
 Edgewise .022 **F2022D31** green positioner $\frac{2}{}$

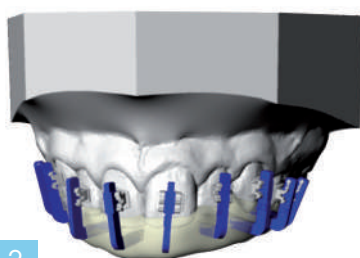


DIGITALLY-ASSISTED INDIRECT BONDING SYSTEM*

This is an innovative system of indirect bonding of brackets developed with a dedicate 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.3dleone.it



1 The Leone plug-in for Maestro 3D software (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.



2 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.



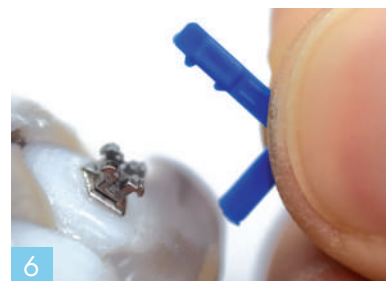
3 Once the transfer-bite is ready, the brackets must be joined physically to each corresponding positioner: thanks to the special design of the inter-bracket tie wing portion, the union with the bracket is stable and removable at the same time for the next clinical phase.



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.



POSITIONERS FOR DIGITALLY-ASSISTED SYSTEM

F6100-04 Pack content: 4 sets, 20 positioners each, for Logic STEP 2.0 technique and additional 16 positioners for tubes F8321M12/13/16/17

F6200-04 Pack content: 4 sets, 20 positioners each, for Logic Roth technique and additional 16 positioners for tubes F8321-02/03/06/07.

The positioners for brackets are individual for each tooth and marked according to the FDI system. They can be detached from the holder using a scalpel. The positioners for tubes are also individual, marked according to the FDI system and for exclusive use with the above indicated tubes.

*PATENTED

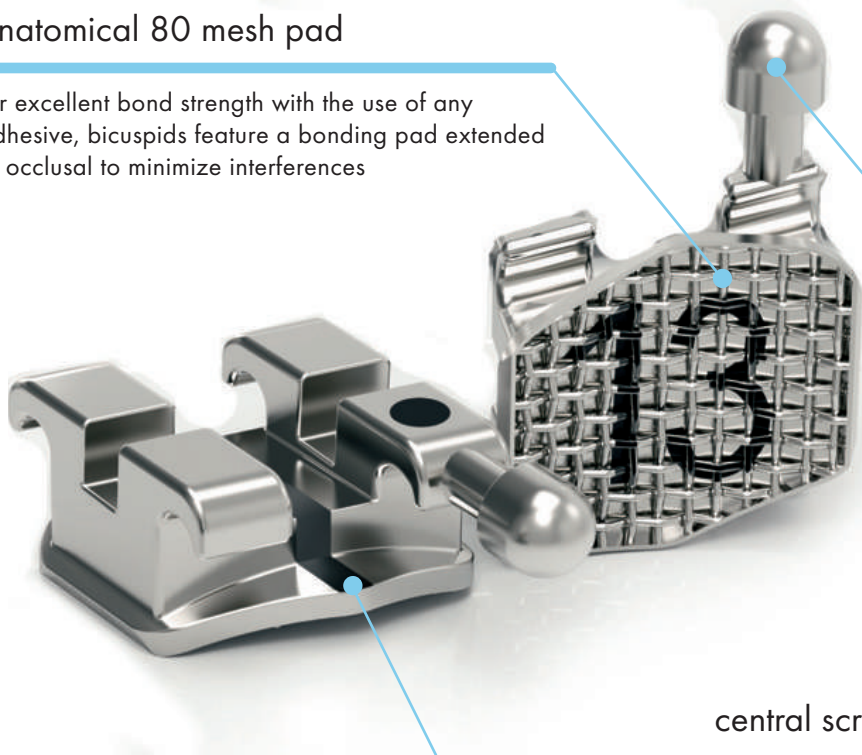
D.B. METAL BRACKETS

with FDI identification



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

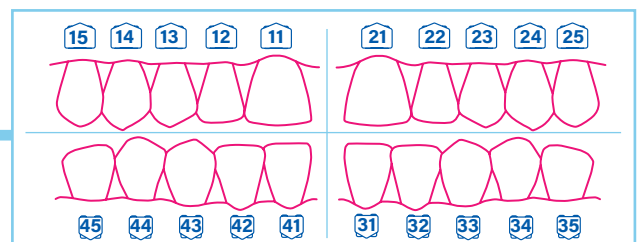
central scribe line

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.



MINI DIAGONALI® Roth system



MINI DIAGONALI® Ricketts system

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

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

Pack of 10

Pack 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
.018"	F7270-91	F7271-91	F7273-91	
.022"	F7210-91	F7211-91	F7213-91	F7215-91

MINI DIAGONALI® Ricketts system

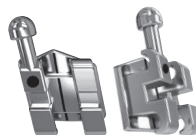
.018"	F7070-91	F7071-91	F7073-91	F7075-91
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D.B. brackets MINI DIAGONALI® with FDI identification



MINI DIAGONALI® system Andrews



MINI DIAGONALI® system MBT*

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

Pack of 10

Brackets not available into kits

						.018"x.030"	.022"x.030"
		torque	ang.				
		3.3	+17°	+4°	$\frac{1}{1}$	F7380-11 F7380-21	F7320-11 F7320-21
		2.7	+10°	+8°	$\frac{2}{2}$	F7380-12 F7380-22	F7320-12 F7320-22
		2.7	-7°	+8°	$\frac{3}{3}$	F7380-13 F7380-23	F7320-13 F7320-23
		2.7	-7°	+8°	$\frac{3}{3}$	F7370-13 F7370-23	F7310-13 F7310-23
		2.7	-7°	0°	$\frac{4}{4}$	F7380-14 F7380-24	F7320-14 F7320-24
		2.7	-7°	0°	$\frac{4}{4}$	F7370-14 F7370-24	F7310-14 F7310-24
		2.7	-7°	0°	$\frac{5}{5}$	F7380-15 F7380-25	F7320-15 F7320-25
		2.7	-7°	0°	$\frac{5}{5}$	F7370-15 F7370-25	F7310-15 F7310-25
		2.1	-6°	0°	$\frac{1}{1}$	F7380-41 F7380-31	F7320-41 F7320-31
		2.1	-6°	0°	$\frac{2}{2}$	F7380-42 F7380-32	F7320-42 F7320-32
		2.7	-6°	+3°	$\frac{3}{3}$	F7380-43 F7380-33	F7320-43 F7320-33
		2.7	-6°	+3°	$\frac{3}{3}$	F7370-43 F7370-33	F7310-43 F7310-33
		2.7	-12°	+2°	$\frac{4}{4}$	F7380-44 F7380-34	F7320-44 F7320-34
		2.7	-12°	+2°	$\frac{4}{4}$	F7370-44 F7370-34	F7310-44 F7310-34
		2.7	-17°	+2°	$\frac{5}{5}$	F7380-45 F7380-35	F7320-45 F7320-35
		2.7	-17°	+2°	$\frac{5}{5}$	F7370-45 F7370-35	F7310-45 F7310-35

Pack of 10

MINI DIAGONALI® Andrews system

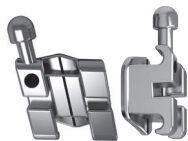
	20 brackets - 1 case	200 brackets - 10 cases	500 brackets - 25 cases	1000 brackets - 50 cases
.018"	F7170-91	F7171-91		
.022"	F7110-91	F7111-91		F7115-91

MINI DIAGONALI® MBT* system

.018"	F7370-91	F7371-91	F7373-91	F7375-91
.022"	F7310-91	F7311-91	F7313-91	F7315-91



*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.



MIDI DIAGONALI Roth system

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

Pack of 10



MIDI DIAGONALI Roth system with vertical slot

		torque	ang.	.018"x.030"	.022"x.030"		
		3.6	+12°	+5°	$\frac{1}{1}$	F4280-11	F4220-11
					$\frac{1}{1}$	F4280-21	F4220-21
		3	+8°	+9°	$\frac{2}{2}$	F4280-12	F4220-12
					$\frac{2}{2}$	F4280-22	F4220-22
		3.3	-2°	+13°	$\frac{3}{3}$	F4270-13	F4210-13
					$\frac{3}{3}$	F4270-23	F4210-23
		3.3	-7°	0°	$\frac{4}{4}$	F4270-14	F4210-14
					$\frac{4}{4}$	F4270-24	F4210-24
		3.3	-7°	0°	$\frac{5}{5}$	F4270-15	F4210-15
					$\frac{5}{5}$	F4270-25	F4210-25
		2.1	0°		$\frac{1}{1}$	F4280-41	F4220-41
					$\frac{1}{1}$	F4280-31	F4220-31
		2.1	0°		$\frac{2}{2}$	F4280-42	F4220-42
					$\frac{2}{2}$	F4280-32	F4220-32
		3.3	-11°	+7°	$\frac{3}{3}$	F4270-43	F4210-43
					$\frac{3}{3}$	F4270-33	F4210-33
		3.3	-17°	0°	$\frac{4}{4}$	F4270-44	F4210-44
					$\frac{4}{4}$	F4270-34	F4210-34
		3.3	-22°	0°	$\frac{5}{5}$	F4270-45	F4210-45
					$\frac{5}{5}$	F4270-35	F4210-35

Pack of 10

Brackets not available into kits



MIDI DIAGONALI system Roth

	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

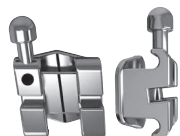
MIDI DIAGONALI Roth system with vertical slot

.018"	F4270-92	F4271-92	F4273-92
.022"	F4210-92	F4211-92	F4213-92

13

D.B. brackets MIDI DIAGONALI

with FDI identification



MIDI DIAGONALI MBT* system



MIDI DIAGONALI Bidimensional system with vertical slot

torque		ang.		.018"x.030"		.022"x.030"	
		3.6	+17°	+4°	$\frac{1}{1}$	F4480-11 F4480-21	F4420-11 F4420-21
		3	+10°	+8°	$\frac{2}{2}$	F4480-12 F4480-22	F4420-12 F4420-22
		3.3	-7°	+8°	$\frac{3}{3}$	F4470-13 F4470-23	F4410-13 F4410-23
		3.3	0°	+8°	$\frac{3}{3}$		F4411-13 F4411-23
		3.3	-7°	+8°	$\frac{3}{3}$	F4480-13 F4480-23	F4420-13 F4420-23
		3.3	-7°	0°	$\frac{4}{4}$	F4470-14 F4470-24	F4410-14 F4410-24
		3.3	-7°	0°	$\frac{4}{4}$	F4480-14 F4480-24	F4420-14 F4420-24
		3.3	-7°	0°	$\frac{5}{5}$	F4470-15 F4470-25	F4410-15 F4410-25
		3.3	-7°	0°	$\frac{5}{5}$	F4480-15 F4480-25	F4420-15 F4420-25
		2.1	-6°	0°	$\frac{1}{1}$	F4480-41 F4480-31	F4420-41 F4420-31
		2.1	-6°	0°	$\frac{2}{2}$	F4480-42 F4480-32	F4420-42 F4420-32
		3.3	-6°	+3°	$\frac{3}{3}$	F4470-43 F4470-33	F4410-43 F4410-33
		3.3	0°	+3°	$\frac{3}{3}$		F4411-43 F4411-33
		3.3	-6°	+3°	$\frac{3}{3}$	F4480-43 F4480-33	F4420-43 F4420-33
		3.3	-12°	+2°	$\frac{4}{4}$	F4470-44 F4470-34	F4410-44 F4410-34
		3.3	-12°	+2°	$\frac{4}{4}$	F4480-44 F4480-34	F4420-44 F4420-34
		3.3	-17°	+2°	$\frac{5}{5}$	F4470-45 F4470-35	F4410-45 F4410-35
		3.3	-17°	+2°	$\frac{5}{5}$	F4480-45 F4480-35	F4420-45 F4420-35

Pack of 10

torque		ang.		.018"x.030"		.022"x.030"	
		3.6	+12°	+5°	$\frac{1}{1}$	F4280-11 F4280-21	
		3	+8°	+9°	$\frac{2}{2}$	F4280-12 F4280-22	
		3.3	0°	+7°	$\frac{3}{3}$		F4211-13 F4211-23
		3.3	0°		$\frac{4}{4}$		F4211-14 F4211-24
		3.3	0°		$\frac{5}{5}$		F4211-15 F4211-25
		2.1	0°		$\frac{1}{1}$	F4280-41 F4280-31	
		2.1	0°		$\frac{2}{2}$	F4280-42 F4280-32	
		3.3	0°	+6°	$\frac{3}{3}$		F4211-43 F4211-33
		3.3	0°		$\frac{4}{4}$		F4211-44 F4211-34
		3.3	0°		$\frac{5}{5}$		F4211-45 F4211-35

Pack of 10

Brackets not available into kits

*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.

MIDI DIAGONALI MBT* system

	20 brackets - 1 case	200 brackets - 10 cases	500 brackets - 25 cases	1000 brackets - 50 cases
.018"	F4470-91	F4471-91	F4473-91	F4475-91
.022"	F4410-91 F4410-92	F4411-91	F4413-91	F4415-91

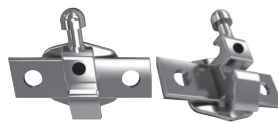
MIDI DIAGONALI Bidimensional system with vertical slot

F4210-93	F4211-93	F4213-93
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MIDI DIAGONALI Ricketts system



MIDI DIAGONALI Alexander system

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

Pack of 10

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

Pack of 10

Brackets not available into kits



MIDI DIAGONALI Ricketts system

	20 brackets - 1 case	200 brackets - 10 cases	500 brackets - 25 cases	1000 brackets - 50 cases
.018"	F4370-91	F4371-91	F4373-91	F4375-91

MIDI DIAGONALI Alexander system

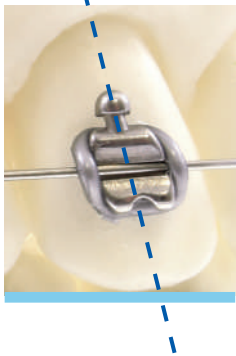
.018"	F4580-94	F4581-94	F4583-94	F4585-94
.022"	F4520-92	F4521-92	F4523-92	F4525-92

D.B. brackets Diagonal Round with FDI identification



Diagonal Round angulation

for easy bracket placement



anatomical 80 mesh pad with FDI identification

for excellent bond strength
with the use of any adhesive

maximum comfort

thanks to reduced sizes
and rounded edges



MIM® integral ball hook

on cuspids and bicuspid





D.B. brackets Diagonal Round with FDI identification

























































D.B. BRACKETS DIAGONAL ROUND

Manufactured using **MIM**® technology, in stainless steel welded on 80 gauge mesh sintered pads to ensure a secure bond strength to the tooth. Diagonal Round angulation, torque-in-base and calibrated sizes optimize biomechanics thus decreasing therapeutic time.

Pack of 10

DIAGONAL ROUND


Roth system

							
		torque	ang.			.018" x .030"	.022" x .030"
		 3.2	+12°	+5°	 1	F6380-11	F6320-11
					 1	F6380-21	F6320-21
		 2.5	+8°	+9°	 2	F6380-12	F6320-12
					 2	F6380-22	F6320-22
		 3	-2°	+13°	 3	F6374-13	F6314-13
					 3	F6374-23	F6314-23
		 3	-7°	0°	 4	F6379-14	F6319-14
					 4	F6379-24	F6319-24
		 3	-7°	0°	 5	F6379-15	F6319-15
					 5	F6379-25	F6319-25
		 2.4	0°		 1	F6380-41	F6320-41
					 1	F6380-31	F6320-31
		 2.4	0°		 2	F6380-42	F6320-42
					 2	F6380-32	F6320-32
		 3	-11°	+7°	 3	F6374-43	F6314-43
					 3	F6374-33	F6314-33
		 3	-17°	0°	 4	F6379-44	F6319-44
					 4	F6379-34	F6319-34
		 3	-22°	0°	 5	F6379-45	F6319-45
					 5	F6379-35	F6319-35

DIAGONAL ROUND

Roth system



	20 brackets 1 case	200 brackets 10 cases
.018"	F6380-91	F6381-91
.022"	F6320-91	F6321-91

EXTREMO

Single piece bracket **MIM**[®]

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

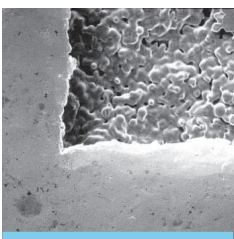


FDI system marking

on the mesh pad
(for Roth prescription)

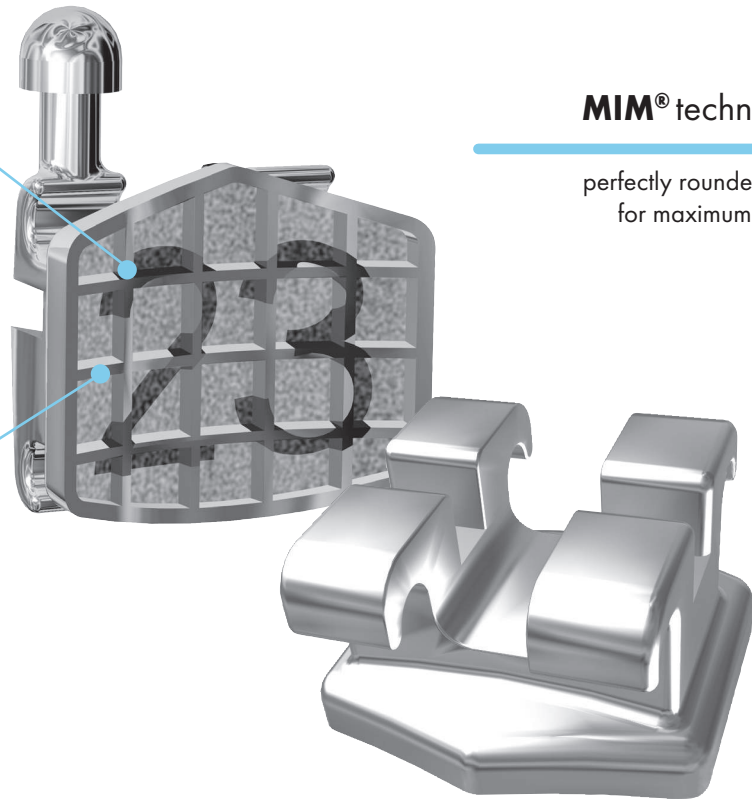
high retention base

with micro cavities to ensure
strong retention to the tooth



MIM[®] technology

perfectly rounded edges
for maximum comfort



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 $\leq 0,1\%$ are due to the process of manufacturing



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	

Pack of 10



EXTREMO Roth system with FDI identification

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

Pack of 10



EXTREMO Edgewise Standard system

		20 brackets - 1 case	200 brackets - 10 cases	500 brackets - 25 cases	1000 brackets - 50 cases
.018"		F9080-92	F9081-92	F9083-92	F9085-92
.022"		F9020-92	F9021-92	F9023-92	F9025-92

EXTREMO Roth system with FDI identification

.018"		F9270-91	F9271-91	F9273-91	F9275-91
.022"		F9210-91	F9211-91	F9213-91	F9215-91



Courtesy of Dr. D. Celli



HYBRID HSDC[®] SYSTEM BRACKETS

The **IBRIDO HSDC[®]** system is an orthodontic method, conceived under the suggestion of Dr. Daniel Celli which combines brackets with .020" and .022" dual slot size.

It optimizes biomechanics, both in extraction or non-extraction cases, thus managing friction and maintaining control of anterior teeth. Treatment time is considerably reduced with more predictable results

Anterior brackets have a slot of .020" while cuspid and bicuspid brackets have a slot of .022"; this dual slot size thereby gets full advantage of the low friction in the early stages of treatment and effective torque control during en-masse retraction of the anterior teeth.

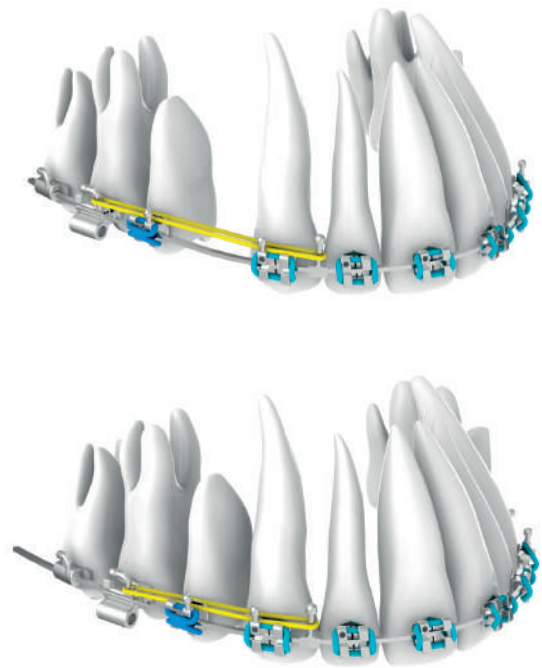
hscd[®] brackets are now all twin conventional brackets which allow the change of friction delivery depending on the use of low-friction **SLIDE** ligatures, either conventional or metal, optimizing the sequence of archwires according to malocclusion and therapeutic phase.

The vertical slot .020"x.020" on cuspid and bicuspid brackets allows the use of uprighting springs, very useful in the management of anchorage and bio-mechanical control.

Pack of 10

HYBRID HSDC[®] system

		torque	ang.	.020"x.030"	.022"x.030"	
		3.6	+14°	+5°	$\frac{1}{1}$	F4020-11 F4020-21
		3	+7°	+9°	$\frac{2}{2}$	F4020-12 F4020-22
		3.3 vertical slot	0°	+7°	$\frac{3}{3}$	F4211-13 F4211-23
		3.3	-7°	+8°	$\frac{3}{3}$	F4420-13 F4420-23
		3.3 vertical slot	-7°	0°	$\frac{4}{4}$	F4210-14 F4210-24
		3.3 vertical slot	-7°	0°	$\frac{5}{5}$	F4210-15 F4210-25
		2.1	-6°	0°	$\frac{1}{1}$	F4020-41 F4020-31
		2.1	-6°	0°	$\frac{2}{2}$	F4020-42 F4020-32
		3.3 vertical slot	0°	+6°	$\frac{3}{3}$	F4211-43 F4211-33
		3.3	-6°	+3°	$\frac{3}{3}$	F4420-43 F4420-33
		3.3 vertical slot	-7°	0°	$\frac{4}{4}$	F4210-44 F4210-34
		3.3 vertical slot	-22°	0°	$\frac{5}{5}$	F4210-45 F4210-35



HYBRID HSDC[®] system

	20 brackets - 1 case	200 brackets - 10 cases
	F4020-92	F4021-92

Brackets not available into kits

SUGGESTED MIM[®] BUCCAL TUBES

	torque	rotat.	round tube diam.	rect. tube slot		weldable tubes	WEB bands with tube	
convertible		-14°	+10°	.045" occl.	.022"	R L	G8424-32 G8424-33	E8920-00 E8930-00
		-20°	+8°		.022"	R L	G8421-16 G8421-17	E8960-00 E8970-00
		-20°	+8°	.045" geng.	.022"	R L	G8424-16 G8424-17	E8961-00 E8971-00

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



See pages 153-154 to choose the Low Friction **SLIDE** ligatures

Pack content: prewelded bands of 5 - tubes of 10

ARCHWIRE SEQUENCE

PHASE 1: EARLY DENTAL MOVEMENT

	upper	∅ inch	lower
MEMORIA[®] nickel- titanium archwires medium	C5910-12	.012	C5950-12
	C5910-14	.014	C5950-14
	C5910-16	.016	C5950-16

Pack of 10

PHASE 2: THREE DIMENSIONAL CONSOLIDATION

	upper	∅ inch	lower
THERMOMEMORIA[®] archwires	C5932-16	.016x.022	C5972-16
	C5935-19	.019x.025	C5975-19
Stainless steel preformed archwires	C3112-19	.019x.025	C3152-19

Pack of 10

PHASE 3: ARCHWIRE SEQUENCE

	upper	mm	lower	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

Pack of 10

PHASE 4: FINISHING AND DETAILS

upper arch	∅ inch	
Stainless steel preformed archwires	.016	C3110-16*
	.018	C3110-18*
lower arch	∅	
MEMORIA[®] nickel-titanium archwires medium	.016	C5950-16

*apply in-between 12 and 22

Pack 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.

Logic *Line*

Optimized design for use with **SLIDE** low friction ligatures

For digitally-assisted indirect bonding system see page 99.

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:

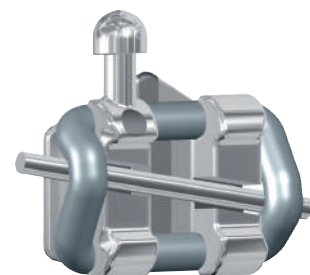


Apply **SLIDE** ligature in the open position and arch wire inside the slot



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"
		3.6	+12°	+5°	$\frac{1}{1}$	F6221-11 F6221-21
		3.1	+8°	+9°	$\frac{2}{2}$	F6221-12 F6221-22
		3.3	-2°	+13°	$\frac{3}{3}$	F6212-13 F6212-23
		3.1	-7°	0°	$\frac{4}{4}$	F6212-14 F6212-24
		3.1	-7°	0°	$\frac{5}{5}$	F6212-15 F6212-25
		3	0°		$\frac{1}{1}$	F6221-41 F6221-31
		3	0°		$\frac{2}{2}$	F6221-42 F6221-32
		3.3	-11°	+7°	$\frac{3}{3}$	F6212-43 F6212-33
		3.1	-17°	0°	$\frac{4}{4}$	F6212-44 F6212-34
		3.1	-22°	0°	$\frac{5}{5}$	F6212-45 F6212-35

Pack of 10

Logic Line Roth system

	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 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 153-154 to choose the Low Friction **SLIDE** ligatures

STEP 2.0 D.B. bracket system



STEP system

2.0

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.

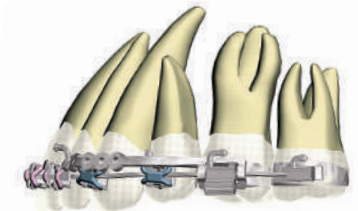
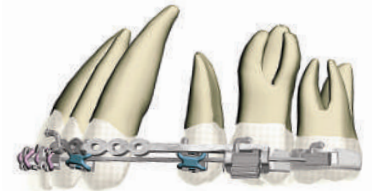
Brackets with vertical slot for cuspid and bicuspid, with the same in-out values, allow the use of springs and auxiliaries for greater biomechanical and anchorage control.

STEP 2.0 prescription is complemented by a renewed and optimized archwire sequence for each therapeutic stage.

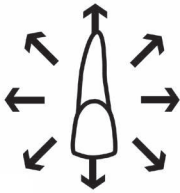
Bibliographic references are continuously updated on the website www.leone.it

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



*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.



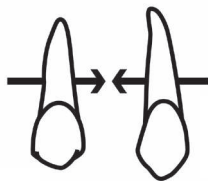
FULL EXPRESSION OF THE BRACKET TIP VALUE

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°	$\frac{1}{1}$	F6122-11	F6122-21
		3.1	+9°	+8°	$\frac{2}{2}$	F6122-12	F6122-22
		3.3	-7°	+13°	$\frac{3}{3}$	F6112-13	F6112-23
		3.1	+7°	+13°	$\frac{3}{3}$	F6114-13	F6114-23
		3.3	-7°	+13°	$\frac{3}{3}$	F6122-13	F6122-23
		3.1	-7°	+2°	$\frac{4}{4}$	F6112-14	F6112-24
		3.1	-7°	+2°	$\frac{4}{4}$	F6122-14	F6122-24
		3.1	-7°	+2°	$\frac{5}{5}$	F6112-15	F6112-25
		3.1	-7°	+2°	$\frac{5}{5}$	F6122-15	F6122-25
		3	-6°	0°	$\frac{1}{1}$	F6122-41	F6122-31
		3	-6°	0°	$\frac{2}{2}$	F6122-42	F6122-32
		3.3	-6°	+5°	$\frac{3}{3}$	F6112-43	F6112-33
		3.1	+7°	+5°	$\frac{3}{3}$	F6114-43	F6114-33
		3.3	-6°	+5°	$\frac{3}{3}$	F6122-43	F6122-33
		3.1	-12°	+2°	$\frac{4}{4}$	F6112-44	F6112-34
		3.1	-12°	+2°	$\frac{4}{4}$	F6122-44	F6122-34
		3.1	-17°	+2°	$\frac{5}{5}$	F6112-45	F6112-35
		3.1	-17°	+2°	$\frac{5}{5}$	F6122-45	F6122-35

Pack of 10

STEP SYSTEM 2.0 standard

	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



STEP SYSTEM 2.0 with vertical slot

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

Pack of 10




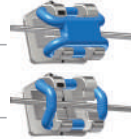
Brackets not available into kits

STEP SYSTEM 2.0 with vertical slot


	20 brackets - 1 case	200 brackets - 10 cases
.022"	F6120-92	F6121-92

ARCHWIRE SEQUENCE


ALIGNMENT AND LEVELING

		\varnothing				
		inch	upper	lower	pkg.	
	MEMORIA ® nickel-titanium medium	.012	C5910-12	C5950-12	10	
	MEMORIA ® nickel-titanium medium	.014	C5910-14	C5950-14		
	MEMORIA ® nickel-titanium medium	.016	C5910-16	C5950-16		


FULL EXPRESSION OF TIP VALUE

		\varnothing			
		inch	upper	lower	pkg.
	Australian special plus	.016	C2010-16	C2050-16	10
	Australian special plus	.020	C2010-20	C2050-20	

TORQUE CONTROL


		∇			
		inch	upper	lower	pkg.
	MEMORIA ® nickel-titanium medium	.021x.025	C5915-21	C5955-21	10

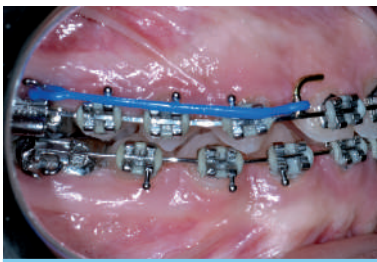
SPACE CLOSURE

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

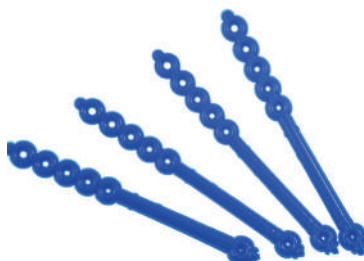
*Distance between archwire hooks

FINISHING

		∇			
		inch	upper	lower	pkg.
	Beta MEMORIA ®	.021x.027	C7112-21	C7115-21	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.

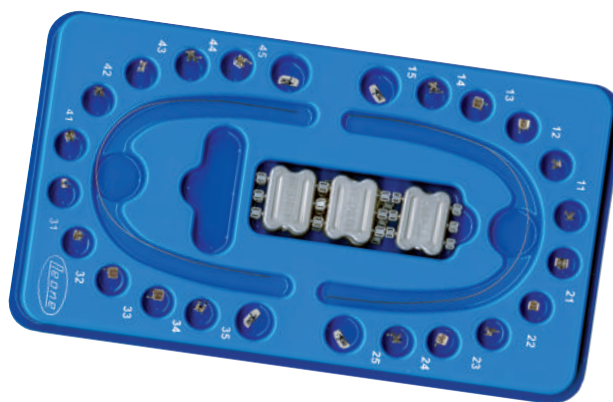
Pack of 10

MIM® TUBES

							
		torque	rotat.	round tube diam.	rect. tube diam.		WEB band with tube
convertible		-14°	+10°	.045" occl.	.022"	R G8424-32	E8920-00
						L G8424-33	E8930-00
		-20°	+8°		.022"	R G8421-16	E8960-00
						L G8421-17	E8970-00
		-20°	+8°	.045" geng.	.022"	R G8424-16	E8961-00
						L G8424-17	E8971-00

							
		torque	rotat.		rect. tube diam.	weldable tubes	welded and razed on MAXI base
	<u>76 67</u>	-14°	+8°		.022"	R G8321-12	F8321M12
						L G8321-13	F8321M13
	<u>76 67</u>	-20°	+8°		.022"	R G8321-16	F8321M16
						L G8321-17	F8321M17

Prewelded bands: pack of 5
Tubes: pack 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

Pack of 10

UR **F8321M12**

UL **F8321M13**

LR **F8321M16**

LL **F8321M17**

Welded and brazed on **MAXI** base

TIE-BACK

K6461-01 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

ARCHWIRE KIT STEP SYSTEM 2.0

C6100-13 Pack of 13 (page 62)

Ordering of single archwires. Pack of 10

1 SUP **MEMORIA® .014"**

1 INF **MEMORIA® .014"**

2 SUP **MEMORIA® .016"**

2 INF **MEMORIA® .016"**

3 SUP Australian Special Plus .016"

3 INF Australian Special Plus .016"

C5910-14

C5950-14

C5910-16

C5950-16

C2010-16

C2050-16

4 SUP Australian Special Plus .020"

4 INF Australian Special Plus .020"

5 SUP Bidimensional w/hook Beta **MEMORIA®** s/steel .021"x.027"/.016"x.016"

5 SUP Bidimensional w/hook Beta **MEMORIA®** s/steel .021"x.027"/.016"x.016"

5 INF **MEMORIA® .021"x.025"**

6 SUP Beta **MEMORIA® .021"x.027"**

6 INF Beta **MEMORIA® .021"x.027"**

C2010-20

C2050-20

C7111-34

C7111-36

C5955-21

C7112-21

C7115-21

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 polycrystalline structure with an average value of 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 for Step 2.0 and Roth prescriptions.

Logic Line

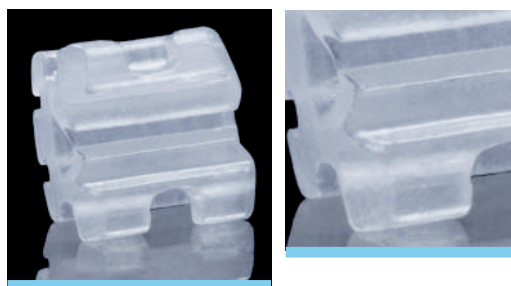
Pure aesthetics and
logic management
of friction

● MICRO-FILLED COPOLYMER

makes 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

*PATENTED

D.B. aesthetic brackets STEP system 2.0



Courtesy of Dr. A. Fortini

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.

Pack of 10



STEP SYSTEM 2.0 in copolymer

torque	ang.	.022"x.030"
--------	------	-------------

			+17°	+4°	$\frac{1}{1}$	F5421-22 F5421-23
			+9°	+8°	$\frac{2}{2}$	F5422-22 F5422-23
			-7°	+13°	$\frac{3}{3}$	F5413-22 F5413-23
			-7°	+2°	$\frac{4}{4}$	F5419-02 F5419-03
			-7°	+2°	$\frac{5}{5}$	F5419-02 F5419-03
			-6°	0°	$\frac{1}{1}$	F5420-06 F5420-07
			-6°	0°	$\frac{2}{2}$	F5420-06 F5420-07
			-6°	+5°	$\frac{3}{3}$	F5413-26 F5413-27
			-12°	+2°	$\frac{4}{4}$	F5414-06 F5414-07
			-17°	+2°	$\frac{5}{5}$	F5415-06 F5415-07

STEP SYSTEM 2.0

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

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 round archwire Ø .014", 1 **MEMORIA**® lower round archwire Ø .014", 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

Pack of 10

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



Courtesy of Dr. A. Fortini



STEP SYSTEM 2.0 in ceramics

		torque	ang.		.022"x.030"	
		4	+17°	+4°	$\frac{1}{1}$	F5921-02 F5921-03
		3.4	+9°	+8°	$\frac{2}{2}$	F5922-02 F5922-03
		3.3	-7°	+13°	$\frac{3}{3}$	F5913-02 F5913-03
		3.3	-7°	+2°	$\frac{4}{4}$	F5919-02 F5919-03
		3.3	-7°	+2°	$\frac{5}{5}$	F5919-02 F5919-03
		2.8	-6°	0°	$\frac{1}{1}$	F5920-06 F5920-07
		2.8	-6°	0°	$\frac{2}{2}$	F5920-06 F5920-07
		3.3	-6°	+5°	$\frac{3}{3}$	F5913-06 F5913-07
		3.3	-12°	+2°	$\frac{4}{4}$	F5914-06 F5914-07
		3.3	-17°	+2°	$\frac{5}{5}$	F5915-06 F5915-07

STEP SYSTEM 2.0

	6 brackets	10 brackets
	3 2 1 1 2 3	5 4 3 2 1 1 2 3 4 5
.022"	F5906-20	F5910-20
	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"	F5912-20	F5920-20

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.

Pack 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**

Pack of 10

		torque	rotat.	slot	.022"	
7 6 6 7				-14°	+8°	R F8321 M12 L F8321 M13
7 6 6 7				-20°	+8°	R F8321 M16 L F8321 M17

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.

Pack of 1



Roth system Logic Line in ceramics

		torque	ang.		.022"x.030"	
		4	+12°	+5°	$\frac{1}{1}$	F5921-12 F5921-13
		3.4	+8°	+9°	$\frac{2}{2}$	F5922-12 F5922-13
		3.3	-2°	+13°	$\frac{3}{3}$	F5913-12 F5913-13
		3.3	-7°	0°	$\frac{4}{4}$	F5919-12 F5919-13
		3.3	-7°	0°	$\frac{5}{5}$	F5919-12 F5919-13
		2.8	0°		$\frac{1}{1}$	F5920-05
		2.8	0°		$\frac{2}{2}$	F5920-05
		3.3	-11°	+7°	$\frac{3}{3}$	F5913-16 F5913-17
		3.3	-17°	0°	$\frac{4}{4}$	F5914-16 F5914-17
		3.3	-22°	0°	$\frac{5}{5}$	F5915-16 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"	F5906-21	F5910-21
	12 brackets	20 brackets
	3 2 1 1 2 3 3 2 1 1 2 3	5 4 3 2 1 1 2 3 4 5 5 4 3 2 1 1 2 3 4 5
.022"	F5912-21	F5920-21

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.

Pack of 10



Roth system Logic Line in copolymer

		torque	ang.		.022"x.030"	
		3.6	+12°	+5°	$\frac{1}{1}$	F5421-32 F5421-33
		3	+8°	+9°	$\frac{2}{2}$	F5422-32 F5422-33
		3.3	-2°	+13°	$\frac{3}{3}$	F5413-32 F5413-33
		3.3	-7°	0°	$\frac{4}{4}$	F5419-12 F5419-13
		3.3	-7°	0°	$\frac{5}{5}$	F5419-12 F5419-13
		2.8	0°		$\frac{1}{1}$	F5420-05
		2.8	0°		$\frac{2}{2}$	F5420-05
		3.3	-11°	+7°	$\frac{3}{3}$	F5413-36 F5413-37
		3.3	-17°	0°	$\frac{4}{4}$	F5414-16 F5414-17
		3.3	-22°	0°	$\frac{5}{5}$	F5415-16 F5415-17

Roth system Logic Line in copolymer

	20 brackets 1 case	200 brackets 10 cases
.022"	F5410-94	F5411-94

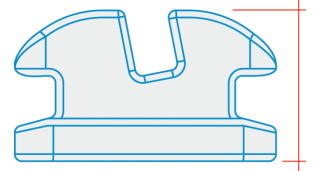


mechanical retention

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

maximum comfort

guaranteed by extremely reduced profile and bevelled bracket edges



innovative plasma surface treatment

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



one "step" to the side of the base

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

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 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

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.

Pack of 1



GHIACCIO Roth system

		torque	ang.	.018"x.030"			.022"x.030"
		3.2	+12°	+5°	$\frac{1}{1}$	F5681-12	F5621-12
					$\frac{1}{1}$	F5681-13	F5621-13
		2.8	+8°	+9°	$\frac{2}{2}$	F5682-12	F5622-12
					$\frac{2}{2}$	F5682-13	F5622-13
		3.4	-2°	+13°	$\frac{3}{3}$	F5673-12	F5613-12
					$\frac{3}{3}$	F5673-13	F5613-13
		3.2	-7°	0°	$\frac{4}{4}$	F5679-02	F5619-02
					$\frac{4}{4}$	F5679-03	F5619-03
		3.2	-7°	0°	$\frac{5}{5}$	F5679-02	F5619-02
					$\frac{5}{5}$	F5679-03	F5619-03
		2.8	0°		$\frac{1}{1}$	F5680-06	F5620-06
					$\frac{1}{1}$	F5680-07	F5620-07
		2.8	0°		$\frac{2}{2}$	F5680-06	F5620-06
					$\frac{2}{2}$	F5680-07	F5620-07
		3.4	-11°	+7°	$\frac{3}{3}$	F5673-16	F5613-16
					$\frac{3}{3}$	F5673-17	F5613-17
		3.2	-17°	0°	$\frac{4}{4}$	F5674-06	F5614-06
					$\frac{4}{4}$	F5674-07	F5614-07
		3.2	-22°	0°	$\frac{5}{5}$	F5675-06	F5615-06
					$\frac{5}{5}$	F5675-07	F5615-07

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
	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"	F5606-81	F5610-81	F5612-81	F5620-82
.022"	F5606-21	F5610-21	F5612-21	F5620-22

GHIACCIO MBT* system

		torque	ang.	.022"x.030"			
		3.2	+17°	+4°	$\frac{1}{1}$	F5521-02	F5521-03
		2.8	+10°	+8°	$\frac{2}{2}$	F5522-02	F5522-03
		3.4	-7°	+8°	$\frac{3}{3}$	F5513-02	F5513-03
		3.2	-7°	0°	$\frac{4}{4}$	F5619-02	F5619-03
		3.2	-7°	0°	$\frac{5}{5}$	F5619-02	F5619-03
		2.8	-6°	0°	$\frac{1}{1}$	F5520-06	F5520-07
		2.8	-6°	0°	$\frac{2}{2}$	F5520-06	F5520-07
		3.4	-6°	+3°	$\frac{3}{3}$	F5513-06	F5513-07
		3.2	-12°	+2°	$\frac{4}{4}$	F5514-06	F5514-07
		3.2	-17°	+2°	$\frac{5}{5}$	F5515-06	F5515-07

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
	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"	F5506-21	F5510-21	F5512-21	F5520-20

*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.

AquasL

Ceramic Brackets Self-Ligating



base

anatomical curvature of the base for a perfect adaptation to the tooth surface with minimum amount of compound employed for a perfect seal

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

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 *(Not available for U.S. market)*

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.

Pack of 1

AQUA SL self ligating ROTH system

			torque	ang.	.022"x.030"	
			+12°	+5°	$\frac{1}{1}$	F5751-02 F5751-03
			+8°	+9°	$\frac{2}{2}$	F5752-02 F5752-03
			-2°	+13°	$\frac{3}{3}$	F5753-02 F5753-03
			-7°	0°	$\frac{4}{4}$	F5749-02 F5749-03
			-7°	0°	$\frac{5}{5}$	F5749-02 F5749-03
			0°		$\frac{1}{1}$	F5750-05
			0°		$\frac{2}{2}$	F5750-05
			-11°	+7°	$\frac{3}{3}$	F5753-06 F5753-07
			-17°	0°	$\frac{4}{4}$	F1044-16 F1044-17
			-22°	0°	$\frac{5}{5}$	F1045-16 F1045-17

Lower bicuspids in stainless steel

AQUA SL self ligating MBT* system

			torque	ang.	.022"x.030"	
			+17°	+4°	$\frac{1}{1}$	F5741-02 F5741-03
			+10°	+8°	$\frac{2}{2}$	F5742-02 F5742-03
			-7°	+8°	$\frac{3}{3}$	F5743-02 F5743-03
			-7°	0°	$\frac{4}{4}$	F5749-02 F5749-03
			-7°	0°	$\frac{5}{5}$	F5749-02 F5749-03
			-6°	0°	$\frac{1}{1}$	F5740-06 F5740-07
			-6°	0°	$\frac{2}{2}$	F5740-06 F5740-07
			-6°	+3°	$\frac{3}{3}$	F5743-06 F5743-07
			-12°	+2°	$\frac{4}{4}$	F1044-06 F1044-07
			-17°	+2°	$\frac{5}{5}$	F1045-06 F1045-07

Lower bicuspids in stainless steel



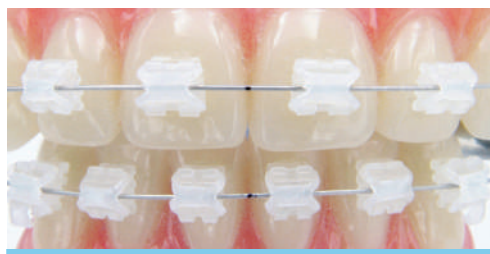
AQUA SL self ligating ROTH system

	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

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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.

Pack of 1

AQUA Roth system

		torque	ang.	.018"x.030"	.022"x.030"		
		4	+12°	+5°	$\frac{1}{1}$	F5781-02	F5721-02
					$\frac{1}{1}$	F5781-03	F5721-03
		3.7	+8°	+9°	$\frac{2}{2}$	F5782-02	F5722-02
					$\frac{2}{2}$	F5782-03	F5722-03
		3.7	-2°	+13°	$\frac{3}{3}$	F5773-02	F5713-02
					$\frac{3}{3}$	F5773-03	F5713-03
		3.4	-7°	0°	$\frac{4}{4}$	F5779-02	F5719-02
					$\frac{4}{4}$	F5779-03	F5719-03
		3.4	-7°	0°	$\frac{5}{5}$	F5779-02	F5719-02
					$\frac{5}{5}$	F5779-03	F5719-03
		3	0°		$\frac{1}{1}$	F5780-05	F5720-05
					$\frac{1}{1}$		
		3	0°		$\frac{2}{2}$	F5780-05	F5720-05
					$\frac{2}{2}$		
		3.7	-11°	+7°	$\frac{3}{3}$	F5773-06	F5713-06
					$\frac{3}{3}$	F5773-07	F5713-07
		3.4	-17°	0°	$\frac{4}{4}$	F5774-06	F5714-06
					$\frac{4}{4}$	F5774-07	F5714-07
		3.4	-22°	0°	$\frac{5}{5}$	F5775-06	F5715-06
					$\frac{5}{5}$	F5775-07	F5715-07

AQUA Ricketts system

		torque	ang.	.018"x.030"			
		4	+22°	0°	$\frac{1}{1}$	F5881-02	
					$\frac{1}{1}$	F5881-03	
		3.7	+14°	8°	$\frac{2}{2}$	F5882-02	
					$\frac{2}{2}$	F5882-03	
		3.7	+7°	+5°	$\frac{3}{3}$	F5883-02	
					$\frac{3}{3}$	F5883-03	
		3.4	0°		$\frac{4}{4}$	F5889-02	
					$\frac{4}{4}$	F5889-03	
		3.4	0°		$\frac{5}{5}$	F5889-02	
					$\frac{5}{5}$	F5889-03	
		3	0°		$\frac{1}{1}$	F5780-05	
					$\frac{1}{1}$		
		3	0°		$\frac{2}{2}$	F5780-05	
					$\frac{2}{2}$		
		3.7	+7°	+5°	$\frac{3}{3}$	F5883-06	
					$\frac{3}{3}$	F5883-07	
		3.4	0°		$\frac{4}{4}$	F5884-06	
					$\frac{4}{4}$	F5884-07	
		3.4	-15°	0°	$\frac{5}{5}$	F5885-06	
					$\frac{5}{5}$	F5885-07	

AQUA 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 3 2 1 1 2 3	5 4 3 2 1 1 2 3 4 5 5 4 3 2 1 1 2 3 4 5
.018"	F5706-80	F5710-80	F5712-80	F5720-80
.022"	F5706-20	F5710-20	F5712-20	F5720-20

AQUA Ricketts 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 3 2 1 1 2 3	5 4 3 2 1 1 2 3 4 5 5 4 3 2 1 1 2 3 4 5
.018"	F5806-80	F5810-80	F5812-80	F5820-80




Each refill is available in packs of 5. On request the brackets may be ordered by replacing the hyphen with the letter "0" in the product code (e.g. F5775-07 becomes F5775007).


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			
								CALIBRA® pack of 10	pack of 5	WEB pack of 10	pack of 5
	0°		.051" ging.	.018"	R	G8085-02	F8085-22	on request	on request	on request	on request
				L	G8085-03	F8085-23					
				.022"	R	G8025-02	F8025-22	E1420-00	E1425-00	on request	on request
	L	G8025-03	F8025-23	E1430-00	E1435-00						
	0°		.051" ging.	.018"	R	G8085-03	F8085-23	on request	on request	on request	on request
				L	G8085-02	F8085-22					
				.022"	R	G8025-03	F8025-23	E1460-00	E1465-00	on request	on request
	L	G8025-02	F8025-22	E1470-00	E1475-00						

CONVERTIBLE MIM® TUBES

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

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

BRACKETS

	torque	rotat.	slot		weldable brackets	direct bonding brackets
	0°		.018"	R	G2086-14	F2086-14
			L			
			.022"	R	G2026-14	F2026-14
				L		
	0°		.018"	R	G2080-44	F2081-01
			L			
			.022"	R	G2020-44	F2021-01
				L		


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

Pack of 10




Pack of 100 on request

MIM® TUBES

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

TUBI MIM® CONVERTIBILI

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

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

Pack of 10








Pack 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			
							CALIBRA® pack of 10	pack of 5	pack of 10	WEB® pack of 5
	0°		.045" ging.	.018" R	G8084-12	F8084-12	on request	on request	on request	E8820-00
				L	G8084-13	F8084-13	on request	on request	on request	E8830-00
				.022" R	G8024-12	F8024-12	on request	on request	on request	on request
				L	G8024-13	F8024-13	on request	on request	on request	on request
	-10°	+8°	.045" ging.	.018" R	G8384-12	F8384-12	on request	on request	on request	on request
				L	G8384-13	F8384-13	on request	on request	on request	on request
				.022" R	G8324-12	F8324-12	on request	on request	on request	on request
				L	G8324-13	F8324-13	on request	on request	on request	on request
	-14°	+8°		.018" R	G8070-02	F8070-02	on request	on request	on request	on request
				L	G8070-03	F8070-03	on request	on request	on request	on request
				.022" R	G8010-02	F8010-02	on request	on request	on request	on request
				L	G8010-03	F8010-03	on request	on request	on request	on request
	0°			.018" R	G8070-16	F8570-03*	on request	on request	on request	E8860-00
				L	G8070-17	F8570-02*	on request	on request	on request	E8870-00
				.022" R	G8010-16	F8510-03*	on request	on request	on request	on request
				L	G8010-17	F8510-02*	on request	on request	on request	on request
	-25°	+8°		.018" R	G8070-06	F8070-06	on request	on request	on request	on request
				L	G8070-07	F8070-07	on request	on request	on request	on request
				.022" R	G8010-06	F8010-06	on request	on request	on request	on request
				L	G8010-07	F8010-07	on request	on request	on request	on request

*Extremo No-nickel

CONVERTIBLE MIM® TUBES

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

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

Pack of 10



Pack 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 .022"x.028"
	$\frac{\delta}{\delta}$	double		0°	.051" ging.	R F8085-22 L F8085-23	F8025-22 F8025-23
	$\frac{\delta}{\delta}$	double		-10° +8°	.051" ging.	R F8385-02 L F8385-03	F8325-02 F8325-03
	$\frac{\delta}{\delta}$	double		-25° +8°	.051" ging.	R F8385-06 L F8385-07	F8325-06 F8325-07
	$\frac{\delta}{\delta}$	double		0°	.045" occl.	R F8084-32 L F8084-33	F8024-32 F8024-33
	$\frac{\delta}{\delta}$	double		0°	.051" occl.	R F8085-42 L F8085-43	F8025-42 F8025-43
	$\frac{\delta}{\delta}$	double		-10° +8°	.045" occl.	R F8384-32 L F8384-33	F8324-32 F8324-33
	$\frac{\delta}{\delta}$	double		-10° +8°	.051" occl.	R F8385-22 L F8385-23	F8325-22 F8325-23
	$\frac{\delta}{\delta}$	triple		0°	.045" ging.	R F8084-12 L F8084-13	F8024-12 F8024-13
	$\frac{\delta}{\delta}$	triple		-10° +8°	.045" ging.	R F8384-12 L F8384-13	F8324-12 F8324-13
	$\frac{\delta}{\delta}$	triple		0°	.045" occl.	R F8084-22 L F8084-23	F8024-22 F8024-23
	$\frac{\delta}{\delta}$	triple		0°	.051" occl.	R F8085-32 L F8085-33	F8025-32 F8025-33
	$\frac{\delta}{\delta}$	triple		-10° +8°	.045" occl.	R F8384-22 L F8384-23	F8324-22 F8324-23
	$\frac{\delta}{\delta}$	triple		-10° +8°	.051" occl.	R F8385-12 L F8385-13	F8325-12 F8325-13
	$\frac{\delta}{\delta}$	rectangular double with ball hook		-14° +8°		R F8070-02 L F8070-03	F8010-02 F8010-03
	$\frac{\delta}{\delta}$	rectangular double with ball hook		-25° +8°		R F8070-06 L F8070-07	F8010-06 F8010-07
	$\frac{7}{7}$	partially erupted		-15° 0°		R F7980-01 L F7920-01	

Pack of 10

Pack 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 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.

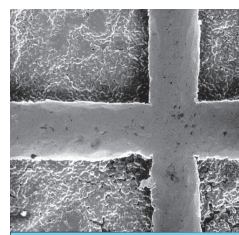
Pack of 10



Pack of 100 on request

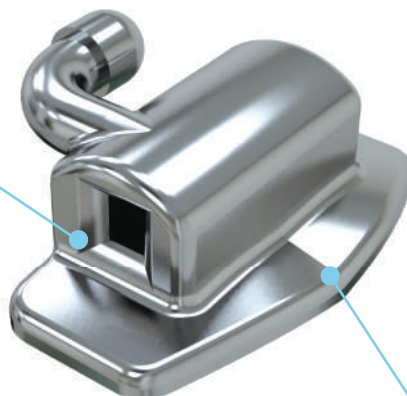
funneled entry way

for ease of wire insertion



anatomical mesh base

with micro cell internal surface























low profile design

helps reduce occlusal interference

occlusal indent

for a perfect anatomical fit to molars

				torque	rotat.	slot	direct bonding tubes
	76 67				0°	.018"	R F8581-12 L F8581-13
	76 67				-10°	.022"	R F8521-12 L F8521-13
	76 67				-14°	.022"	R F8621-32 L F8621-33
	76 67				-20°	.022"	R F8621-26 L F8621-27
	6 6				0°	.018"	R F8681-16 L F8681-17
	6 6				0°	.022"	R F8621-36 L F8621-37
	6 6				0°	.018"	R F8570-02 L F8570-03
	6 6				0°	.022"	R F8510-02 L F8510-03

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

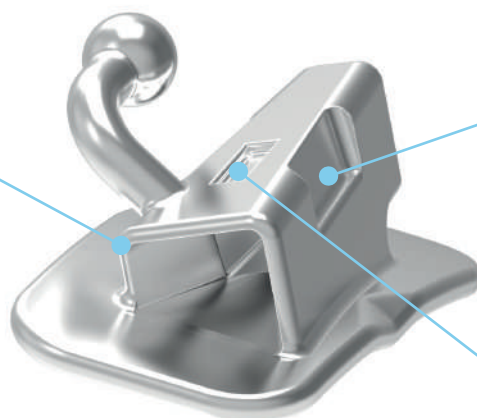
D.B. MIM[®] SINGLE TUBES LOW PROFILE WITH FDI IDENTIFICATION

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.

Pack of 10

mesial funneled
entry way

facilitates the insertion
of the archwire



occluso-lingual
parallel planes

provide a secure grip with tweezers

vestibular indent

facilitates proper position
on the tooth bonding phase

torque-in-base

minimizes occlusal contacts



ideal length

maximizes rotation control

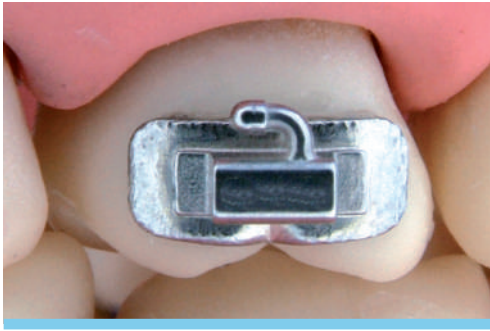


anatomical mesh pad

with intercuspoid indent, 80 mesh
and FDI identification

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

D.B. MAXI mesh pad

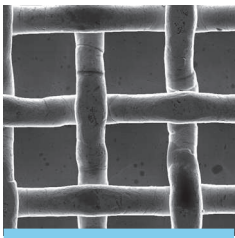


F2800-00 D.B. MAXI MESH PAD

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.

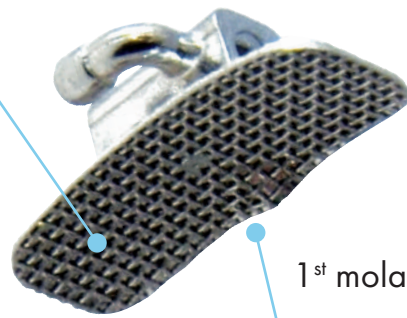
Hygiene and health of the soft tissues are improved, besides, the positioning of the tube will be more precise.

Pack of 10



80 gauge mesh

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

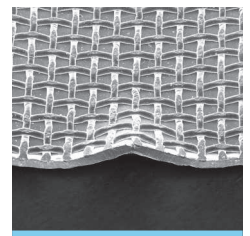


1st molar anatomical
contoured

with positioning "indent"

bonding surface
approx. 50% larger

than mesh pads currently used
with direct bonding tubes



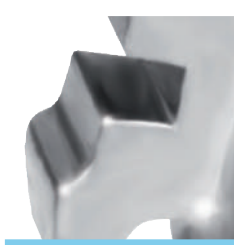
When ordering for customized tubes soldered on the **MAXI** mesh pad F2800-00, the right code number of the tube and the solder position* of the round tube shall be indicated (*which however must combine with the prescriptions of the selected tube).

Minimum quantity per order: pack 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

custom design

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



SLIDE ligature

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



SPECIAL PLASTIC JIG



1

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



2

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



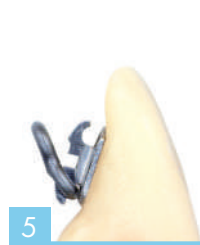
3

Position in the mouth
and polymerization
of the adhesive



4

Removal of the jig
with a rotary
movement



5

Bracket with the
SLIDE ligature under
the gingival wing



6

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

IDEA-L system

			torque	ang.	.018"x.030"
			0°	$\frac{1}{1}$	F4980-04
			0°	$\frac{2}{2}$	F4980-04
			0°	$\frac{3}{3}$	F4980-04
			0°	$\frac{4}{4}$	F4984-04
			0°	$\frac{1}{1}$	F4980-04
			0°	$\frac{2}{2}$	F4980-04
			0°	$\frac{3}{3}$	F4980-04
			0°	$\frac{4}{4}$	F4984-04

Pack 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

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

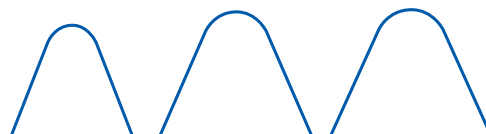


Courtesy of Dr. F. Giuntoli

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 bicuspid, thus keeping high elasticity. Section .016" Beta **MEMORIA®** is ideal to optimize the alignment and levelling values. The selector C4950-00 is available (page 63) to select the correct archwire shape.

Pack 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
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JIGS - REFILL Pack of 20

F4900-01	size 1	F4900-04	size 4
F4900-02	size 2	F4900-05	size 5
F4900-03	size 3	F4900-06	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

Pack of 10



Pack of 100 on request



D.B. BUTTONS EXTREMO NO-NICKEL

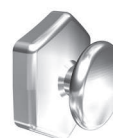
Single piece buttons manufactured with **MIM**® technology in a biocompatible **nickel free*** alloy. The Extremo no-nickel base, anatomical and with micro highly retentive cavities, perfectly fits the tooth and ensures an excellent bond with the use of any kind of adhesives.

Pack of 10



F9060-00

Low flat



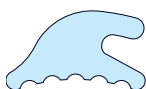
F9070-00

Deep curved

D.B. NATURA® HOOKS

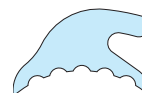
Designed by Dr. Massimo Ronchin. Made of siliceous copolymer.

Pack of 10



F5060-00

Flat



F5060-01

Curved

*Nickel trace elements of $\leq 0,1\%$ 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.

Pack content:

- 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	F3141-01	14 g
Adhesive in 3 syringes	F3142-01	3x5 g
Etching gel	F3143-01	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

Pack 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.

Pack content:

- 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	F3171-01	7 g
Adhesive in 4 syringes	F3172-01	4x5 g
Etching gel	F3143-01	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.

Pack content: 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	F3812-04	
6	F3812-06	10
9	F3812-09	



UPPER RETAINER LATERAL TO LATERAL

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



mm		pkg.
14	F3822-14	
16	F3822-16	10
18	F3822-18	
20	F3822-20	



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.

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



mm		pkg.
29	F3836-29	
31	F3836-31	
33	F3836-33	2
35	F3836-35	
37	F3836-37	



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
DIASTEMA KIT
Pack content: 20 tubes and 10 springs

REFILLS

F3941-00 Springs

F3942-00 Tubes

Pack of 10