

# TUBES AND BRACKETS



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

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

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

All the Leone brackets may be welded on either **CALIBRA**® ou **WEB** bands with a free prewelding service.



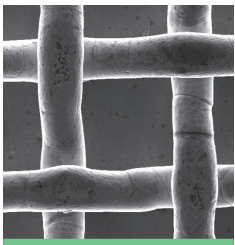
## Metal Injection Moulding technique

allowing the highest precision of slot



## rounded under edges of tie-wings

for higher patient comfort



## free prewelding and solder-brazing service



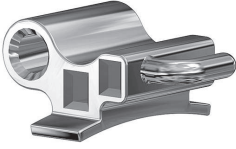












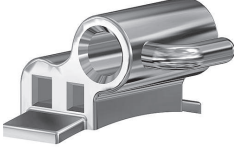
















## MIM<sup>®</sup> BUCCAL TUBES

Every MIM<sup>®</sup> tube may be pre welded to either **CALIBRA<sup>®</sup>** o **WEB** bands with free prewelding service (page 83) or solder-brazed on the D.B. anatomical mesh pad **MAXI F2800-00**, which is first molar anatomical contoured (page 134). Solder-brazing service is free of charge. Also available in the direct bonding version upon request (page 131).

**Pack of 10**



**Pack of 100**  
on request

				torque	rect. tube rot.	round tube diam.	retc. tube slot	weldable tubes	
	6/6 6/6	  	0°			.045" occl.	R .018"	<b>G8084-22</b>	
							L	<b>G8084-23</b>	
			  	0°			.051" occl.	R .018"	<b>G8085-12</b>
								L	<b>G8085-13</b>
		  	-10°	+8°		.045" occl.	R .018"	<b>G8384-22</b>	
6/6							L	<b>G8384-23</b>	
		  	-10°	+8°		.051" occl.	R .018"	<b>G8385-12</b>	
							L	<b>G8385-13</b>	
auxiliary tube .018"x.025"							R .022"	<b>G8325-12</b>	
							L	<b>G8325-13</b>	
	6/6 6/6	  	0°			.045" ging.	R .018"	<b>G8084-12</b>	
									L
			  	-10°	+8°		.045" ging.	R .018"	<b>G8384-12</b>
	6/6							L	<b>G8384-13</b>
							R .022"	<b>G8324-12</b>	
auxiliary tube .018"x.025"							L	<b>G8324-13</b>	
	6/6 6/6	  	0°				R .018"	<b>G8070-16</b>	
									L
			  	-14°	+8°			R .018"	<b>G8070-02</b>
	6/6							L	<b>G8070-03</b>
								R .022"	<b>G8010-02</b>
	auxiliary tube .018"x.025"							L	<b>G8010-03</b>
		  	-25°	+8°			R .018"	<b>G8070-06</b>	
6/6							L	<b>G8070-07</b>	
							R .022"	<b>G8010-06</b>	
auxiliary tube .018"x.025"							L	<b>G8010-07</b>	

## MIM<sup>®</sup> BUCCAL TUBES

Pack of 10

Pack of 100  
on request

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

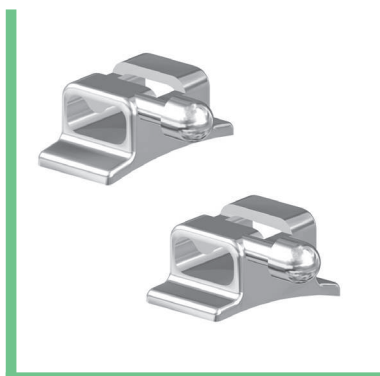
				torque	rect. tube rot.	round tube diam.	rect. tube slot	weldable tubes	
	7 6 6 7 7 6 6 7		0°				.018"	R <b>G8081-02</b> L <b>G8081-03</b>	
							.022"	R <b>G8021-02</b> L <b>G8021-03</b>	
	7 6 6 7		-10° +8°					.018"	R <b>G8381-02</b> L <b>G8381-03</b>
								.022"	R <b>G8321-02</b> L <b>G8321-03</b>
	7 6 6 7		-14° +8°					.022"	R <b>G8321-12</b> L <b>G8321-13</b>
									R <b>G8321-16</b> L <b>G8321-17</b>
	7 6 6 7		-20° +8°					.022"	R <b>G8321-16</b> L <b>G8321-17</b>
									R <b>G8381-06</b> L <b>G8381-07</b>
								.022"	R <b>G8321-06</b> L <b>G8321-07</b>

## MIM<sup>®</sup> LINGUAL TUBE WITH BALL HOOK

- G2846-02** Right
- G2846-03** Left
- G2847-02** Right, rotation -8°
- G2847-03** Left, rotation -8°

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

**Pack of 10**

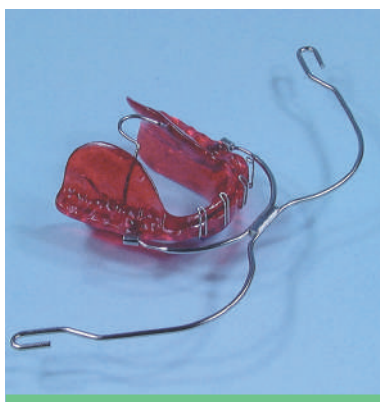


## MIM<sup>®</sup> ACTIVATOR TUBE FOR EXTRAORAL FACEBOW

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

**Pack of 10**

- A0761-45** ∅ .045"
- A0761-51** ∅ .051"



# convertible MIM<sup>®</sup> buccal tubes



## CONVERTIBLE MIM<sup>®</sup> BUCCAL TUBES












The laser welded convertible cap prevents from any detachment and it is easy removable with the special Leone instrument P1090-00. Every tube is available: in the D.B. version, prewelded to either **CALIBRA<sup>®</sup>** o **WEB** bands or solder-brazed on the D.B. anatomical mesh pad **MAXI F2800-00** (free services see pages 83, 134).

Pack of 10



Pack of 100  
on request

				torque	rect. tube rot.	round tube diam.	rect. tube slot	weldable tubes
	6/6 6/6				0°	.045" occl.	.018"	R <a href="#">G8184-22</a> L <a href="#">G8184-23</a>
							.022"	R <a href="#">G8124-22</a> L <a href="#">G8124-23</a>
	6/6				0°	.051" occl.	.018"	R <a href="#">G8185-12</a> L <a href="#">G8185-13</a>
							.022"	R <a href="#">G8125-12</a> L <a href="#">G8125-13</a>
auxiliary tube .018"x.025"	6/6 6/6				-10°	+8°	.018"	R <a href="#">G8484-22</a> L <a href="#">G8484-23</a>
							.022"	R <a href="#">G8424-22</a> L <a href="#">G8424-23</a>
	6/6				-10°	+8°	.018"	R <a href="#">G8485-12</a> L <a href="#">G8485-13</a>
							.022"	R <a href="#">G8425-12</a> L <a href="#">G8425-13</a>
	6/6 6/6				0°		.018"	R <a href="#">G8170-16</a> L <a href="#">G8170-17</a>
							.022"	R <a href="#">G8110-16</a> L <a href="#">G8110-17</a>
	6/6				-14°	+8°	.018"	R <a href="#">G8470-02</a> L <a href="#">G8470-03</a>
							.022"	R <a href="#">G8410-02</a> L <a href="#">G8410-03</a>
auxiliary tube .018"x.025"	6/6 6/6				-25°	+8°	.018"	R <a href="#">G8470-06</a> L <a href="#">G8470-07</a>
							.022"	R <a href="#">G8410-06</a> L <a href="#">G8410-07</a>
	6/6 6/6				0°	.045" occl.	.018"	R <a href="#">G8184-12</a> L <a href="#">G8184-13</a>
							.022"	R <a href="#">G8124-12</a> L <a href="#">G8124-13</a>
	6/6				0°	.051" occl.	.018"	R <a href="#">G8185-22</a> L <a href="#">G8185-23</a>
							.022"	R <a href="#">G8125-22</a> L <a href="#">G8125-23</a>
	6/6				-10°	+8°	.018"	R <a href="#">G8484-12</a> L <a href="#">G8484-13</a>
							.022"	R <a href="#">G8424-12</a> L <a href="#">G8424-13</a>
	6/6				-10°	+8°	.018"	R <a href="#">G8485-22</a> L <a href="#">G8485-23</a>
							.022"	R <a href="#">G8425-22</a> L <a href="#">G8425-23</a>
6/6				-14°	+10°	.045" occl.	R <a href="#">G8424-32</a> L <a href="#">G8424-33</a>	

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



### P1090-00 CAP REMOVER FOR CONVERTIBLE TUBES \*\*\*

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



## WELDABLE BRACKETS

Pack of 10

Pack of 100  
on request



upper



lower

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

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

suggested for Andrews system  
 suggested for Ricketts system





# connectors for laser welding and weldable accessories

## CONNECTORS FOR LASER WELDING

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

**Pack of 10**



**G0560-00**  
**CONNECTOR**  
**FOR EXPANDERS**



**G0565-09**  
**CONNECTOR 0,9 mm**  
**FOR BICUSPIDS**



**G0570-09**  
**CONNECTOR 0,9 mm**  
**FOR MOLARS**



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



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



Detail of the wire housing into the connector's seat



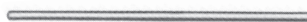
Laser welded connector: mechanic resistance and stainlessness are guaranteed

### ROUND TUBES



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

### TWIN ARCH SYSTEM TUBES



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



### MIM® SURGICAL HOOKS

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

### ROUND TUBING



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



**G0533-36**  
For soldering.  
Inner diameter .036".  
**Pack of 10**

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

## LINGUAL BUTTONS



**G2860-00**  
Flat  
for centering on molars



**G2865-00**  
Curved  
for mesial placement on molars



**G2870-00**  
Deep curved for bicuspid

Pack of 10

## G2850-00 LINGUAL SEATING LUGS

Pack of 100



## CRIMPABLE ARCH STOP

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

**G9225-18** arches .018"x.025"

**G9228-22** arches .022"x.028"

Pack of 10

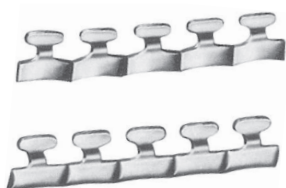


## ELASTIC LUGS

**G2893-00** Curved for posteriors

**G2890-00** Flat for anteriors

Pack of 100



## LINGUAL CLEATS LOW PROFILE

**G2824-00** For molars

**G2822-00** For cuspids and bicuspid

Pack of 100



## G9019-25 CRIMPABLE CLOSED HOOK

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

Pack of 10



## G2810-00 EYELET

Pack of 100



## G2820-00 LINGUAL CLEATS HIGH PROFILE

Pack of 100

