

intra-extraoral and
orthodontic mini implants

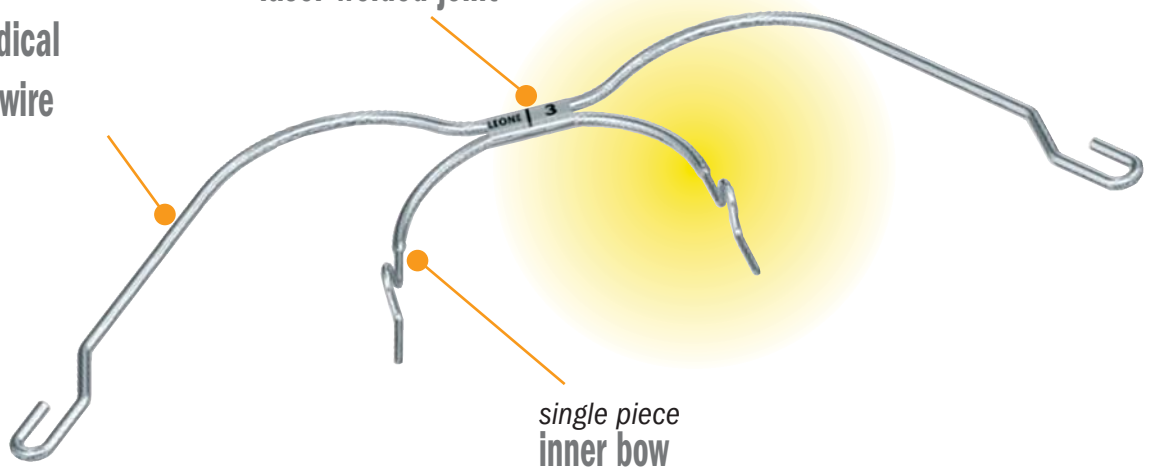


intra-extraoral



made of biomedical stainless steel wire

laser welded joint



single piece inner bow

for use with safety modules only

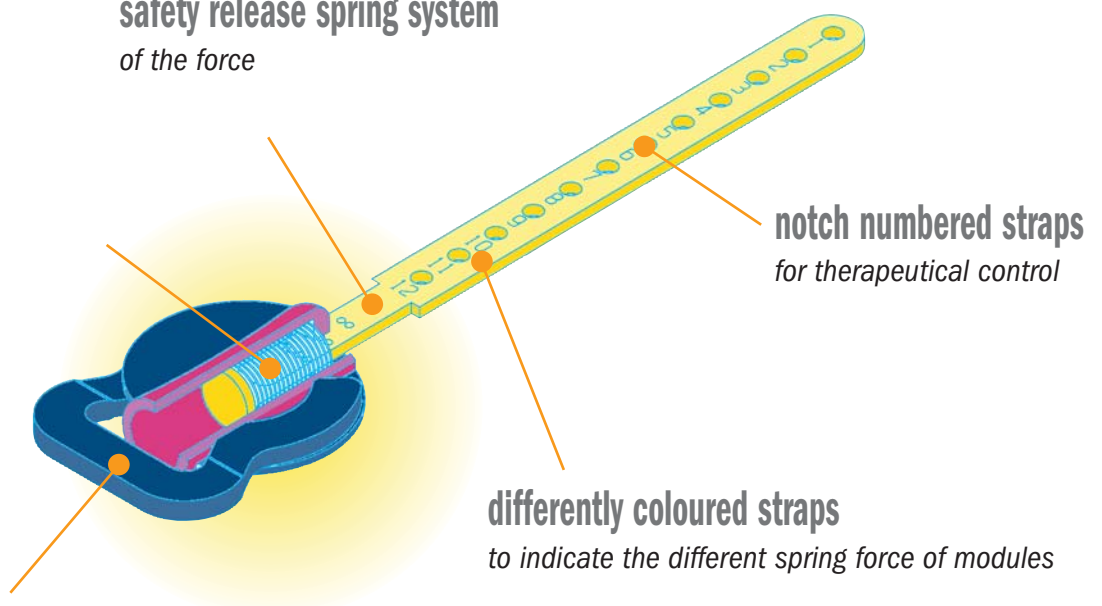
Leone extraoral face bows include a wide range of items suitable to any kind of treatment.

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

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

safety release spring system
of the force

stainless steel springs
release permanent forces



notch numbered straps
for therapeutical control

differently coloured straps
to indicate the different spring force of modules

absolute safe for patients

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

lip bumper and extraoral facebows



Lip bumper

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

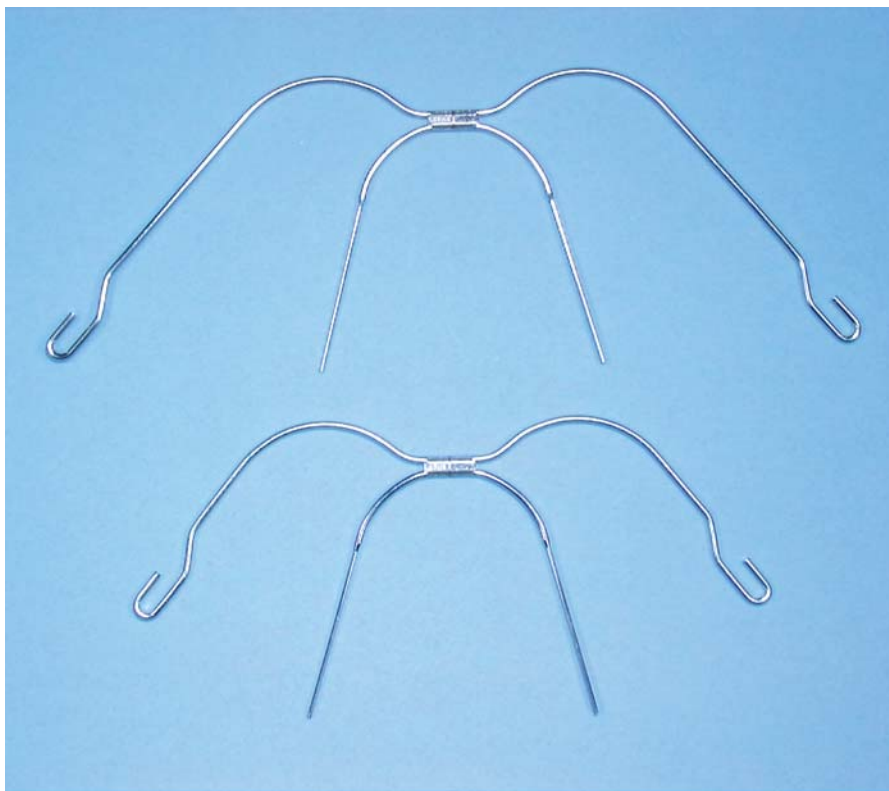
M3050-00 without loops

M3051-00 with loops

Packs of 10

Lip bumper with loops and bayonet stops

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



Extraoral facebows

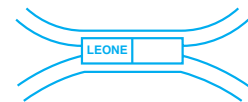
Completely made of biomedical spring stainless steel wire with single piece inner bow.

Breakage resistant laser welded bow joint, with total absence of solder, to prevent from eventual allergic reactions due to the presence of two metals.

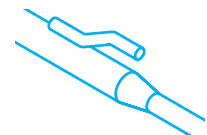
Midline clearly marked.

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

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



midline clearly marked



hooks for elastics

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

extraoral facebows and accessories



Extraoral facebows

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

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

Bright electro-polishing for maximum hygiene.

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

With preformed loops

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

With preformed loops and hooks for elastics

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

With bite and preformed loops

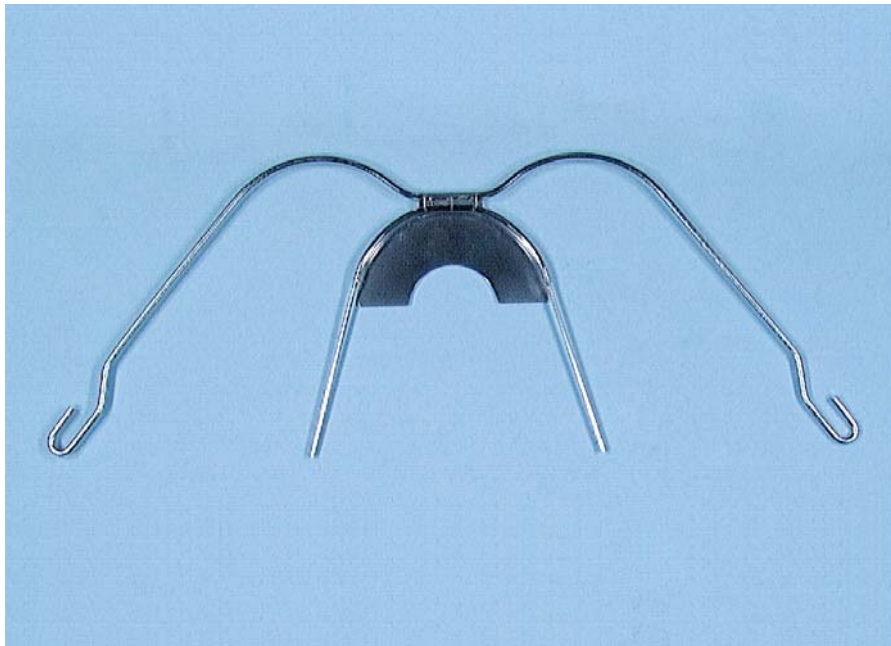
| d = intermolar width from loop to loop in millimeter | size | with bite plane hard stainless steel | | with bite plane soft stainless steel | | |
|---|------|---|----------|---|----------|---|
| | | | pkg. | | pkg. | |
| | 83 | 1 | M4808-01 | 1 | M4808-11 | 1 |
| | 90 | 2 | M4808-02 | | M4808-12 |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



M3620-01 Sleeve for extraoral facebows and headgears

Pack of 10

extraoral facebows and accessories



Extraoral facebows with single and double bite

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

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

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



M3307-00 Weldable stop for arches

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

Pack of 10



M3714-00 Weldable advancement bite

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

Pack of 1



M3309-00 Facebow screw stop

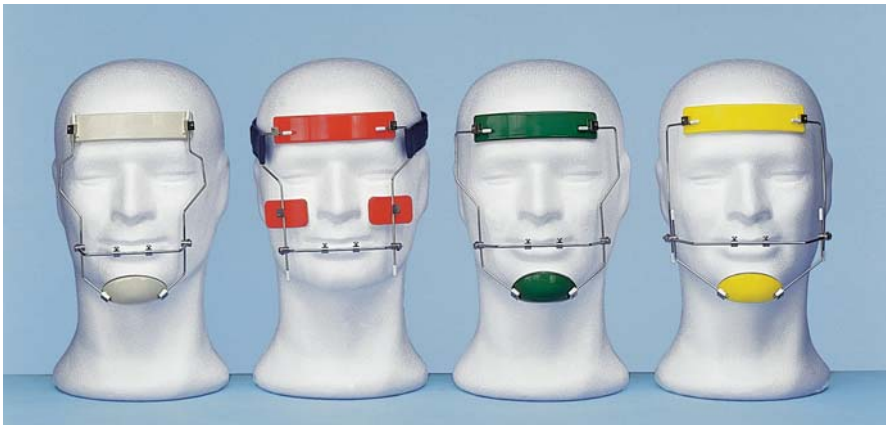
Made of stainless steel. For use with wire 1,14 mm (.045") in diameter.

Pack of 10

M3309-95 Facebow screw stop kit

It includes: 50 stop screws and 1 screwdriver

face masks



Face mask

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

All attachments are locked by set screws in metal housings.

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

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

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

Replacement parts

M0777-00 Chin pad

M0778-00 Forehead pad

Packs of 1

M0779-00 Zygomatic hold pad

Pack of 2



Dynamic face mask

M0772-01 Blue

M0772-01R Red

Vertical adjustment.

Packs of 1:

1 face mask, 1 adjusting wrench,

2 forehead pads,

2 chin pads and instructions for use

Elastics recommended

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



M0790-00 Headgear with chin cap

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

Pack of 1

Replacement parts

M0791-00 Chin cap

Pack of 1

M0791-01 Elastics

Pack of 2



M3613-00 Sleeve for face mask

For patient own face mask. White coloured, washable.

Pack of 10

safety headgear system



Headgear for safety modules

High pull. Use with safety release spring modules only.

It fits onto safety hooks of spring modules.

Made of 100% cotton, hypoallergenic and washable with comfortable padding.
Available in 3 sizes and 2 colours to provide patient's psychological compliance.

Packs of 1

| | blue | pink |
|---------------|-----------------|------------------|
| small | M0805-00 | M0805-00S |
| medium | M0805-10 | M0805-10S |
| large | M0805-20 | M0805-20S |



Neck pad for safety modules

M0800-00S **Pink**

M0800-00 **Blue**

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

Packs of 10

safety headgear system

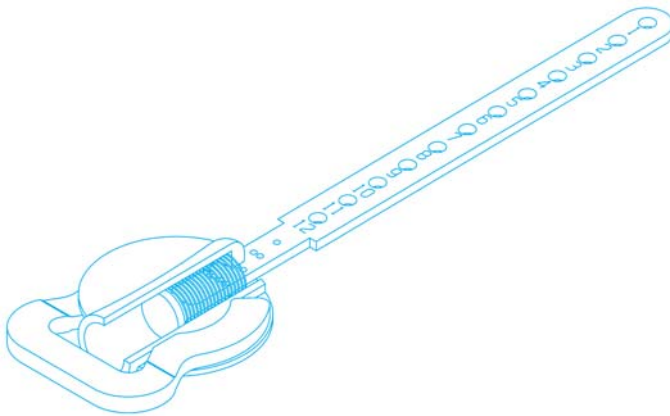
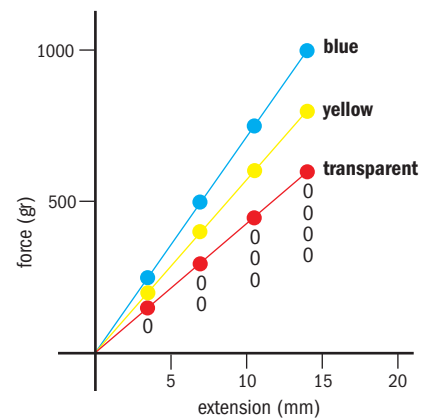


Safety release modules

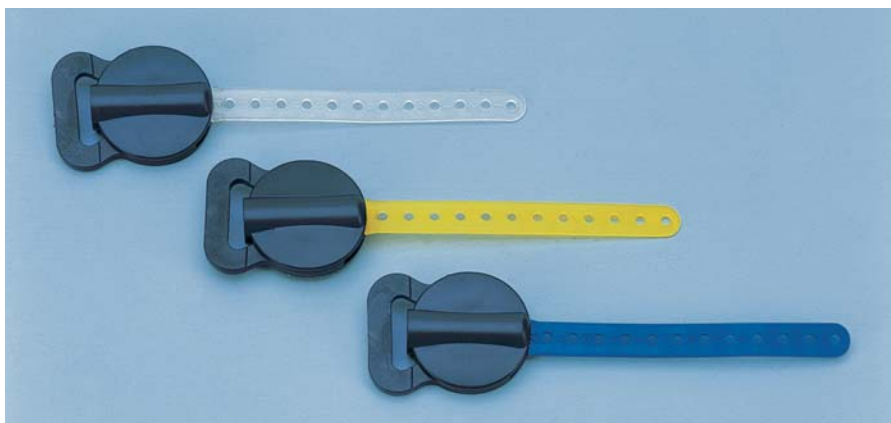
For use with the suitable headgear or neck pads only. Safety clasps disengage the spring strap when a pressure pull of 2 Kg each side is exceeded.

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

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



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



Safety release modules

| | colour | |
|---------------|-------------|-----------------|
| light | transparent | M0810-01 |
| medium | yellow | M0810-02 |
| heavy | blue | M0810-03 |

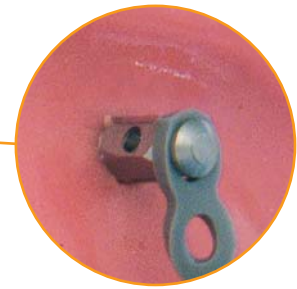
Packs of 10

orthodontic mini implants



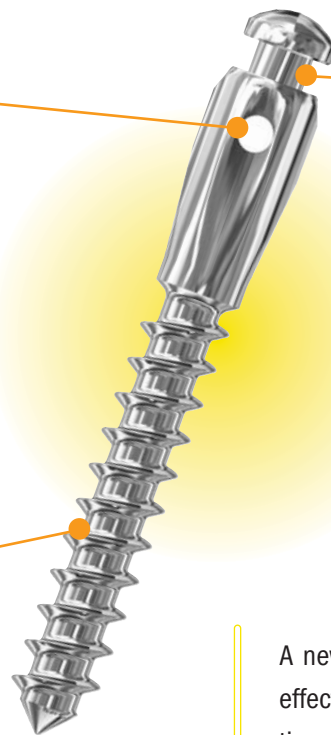
hole

for the connection to the elastic chain or spring



groove

to facilitate the application of chains, elastics, etc.



no osseointegration

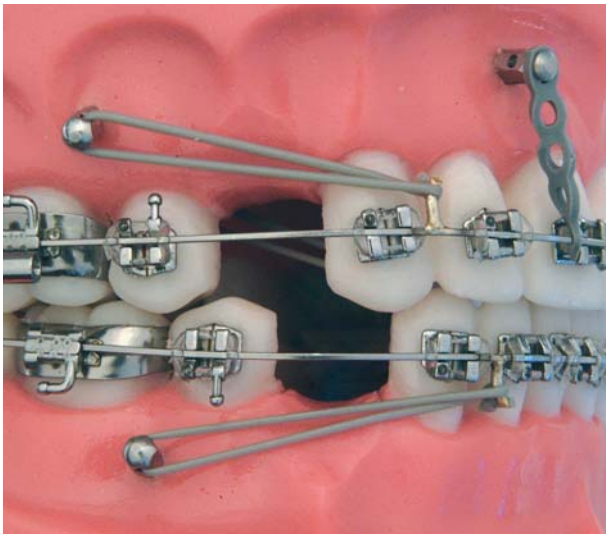
*made of surgical stainless steel
easy removable*

A new extra dental temporary method of rapid anchorage, effective, well accepted by patients and without complications. Specific tools and accessories complete the product line.

A clinical procedures leaflet for the positioning of the Orthodontic Mini Implants is available on request. You can also download it from our web site www.leone.it



orthodontic mini implants



Orthodontic mini implants

Mini implants are designed to be temporarily implanted. Traction may be connected for getting dental movements with the bio-mechanical advantage of achieving maximal anchorage. Orthodontic mini implants are manufactured in stainless steel for surgical use, they don't induce osseointegration and therefore, once the orthodontic movement has been achieved, they can be easily removed.

Orthodontic mini implants with groove feature the upper part similar to an orthodontic button to facilitate the application of elastic chains, elastics or springs.

Packs of 1

| ORTHODONTIC MINI IMPLANTS | | | |
|---------------------------|---------|---------|-----------------------------|
| | ∅ mm | ↔ mm | |
| | 1,5 | 8 | 000-1508-02 |
| | | 10 | 000-1510-02 |
| | | 12 | 000-1512-02 |
| | 2 | 8 | 000-2008-02 |
| | | 10 | 000-2010-02 |
| | | 12 | 000-2012-02 |
| | 1,5 | 8 | 000-1508-01 |
| | | 10 | 000-1510-01 |
| | | 12 | 000-1512-01 |
| | 2 | 8 | 000-2008-01 |
| | | 10 | 000-2010-01 |
| | | 12 | 000-2012-01 |

| ORTHODONTIC MINI IMPLANTS WITH GROOVE | | | |
|---------------------------------------|---------|---------|-----------------------------|
| | ∅ mm | ↔ mm | |
| | 2 | 6 | 001-2006-02 |
| | | 8 | 001-2008-02 |
| | | 10 | 001-2010-02 |
| | | 12 | 001-2012-02 |
| | 2 | 6 | 001-2006-01 |
| | | 8 | 001-2008-01 |
| | | 10 | 001-2010-01 |
| | | 12 | 001-2012-01 |



001-0001-24 Orthodontic mini implant kit

The package contains: 24 mini implants, 2 pieces each length and diameter available either with low and high head, 4 drills, 1 screwdriver and Clinical Procedure "Orthodontic Mini Implants" for positioning.




001-0002-24 Orthodontic mini implant with groove kit

The package contains: 24 mini implants with groove, 3 pieces each length either with low and high head, 2 drills, 1 screwdriver, 1 adapter 080-1003-00, 1 circular punch, 1 adapter 080-1002-00 and Clinical Procedure "Orthodontic Mini Implants" for positioning.

orthodontic mini implants



Drills for orthodontic mini implant

|  | ∅ mm | ↔ mm | |
|---|---------|---------|-----------------------------|
| | 1,1 | 12 | 090-1134-00 |
| | 1,3 | | 090-1334-00 |
| | 1,5 | | 090-1534-00 |
| | 1,7 | | 090-1734-00 |



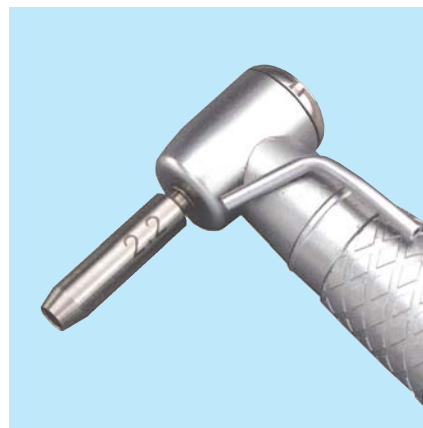
080-1000-01
Screwdriver for orthodontic mini implants

080-1000-22
Replaceable tip



080-1001-00
Mucotome for orthodontic mini implants

Circular scalpel of titanium to be inserted into the handle of the screwdriver Leone 080-1000-01 for mini implants. With a diameter slightly larger than the head of the mini implants, the scalpel allows a suitable hole to be performed which avoids the need of suturing the mucosa afterwards.



080-1001-01
Circular scalpel for contra-angle

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



080-1002-00
Handpiece adapter

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

080-1003-00
Adapter for screwdriver and instruments

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

