

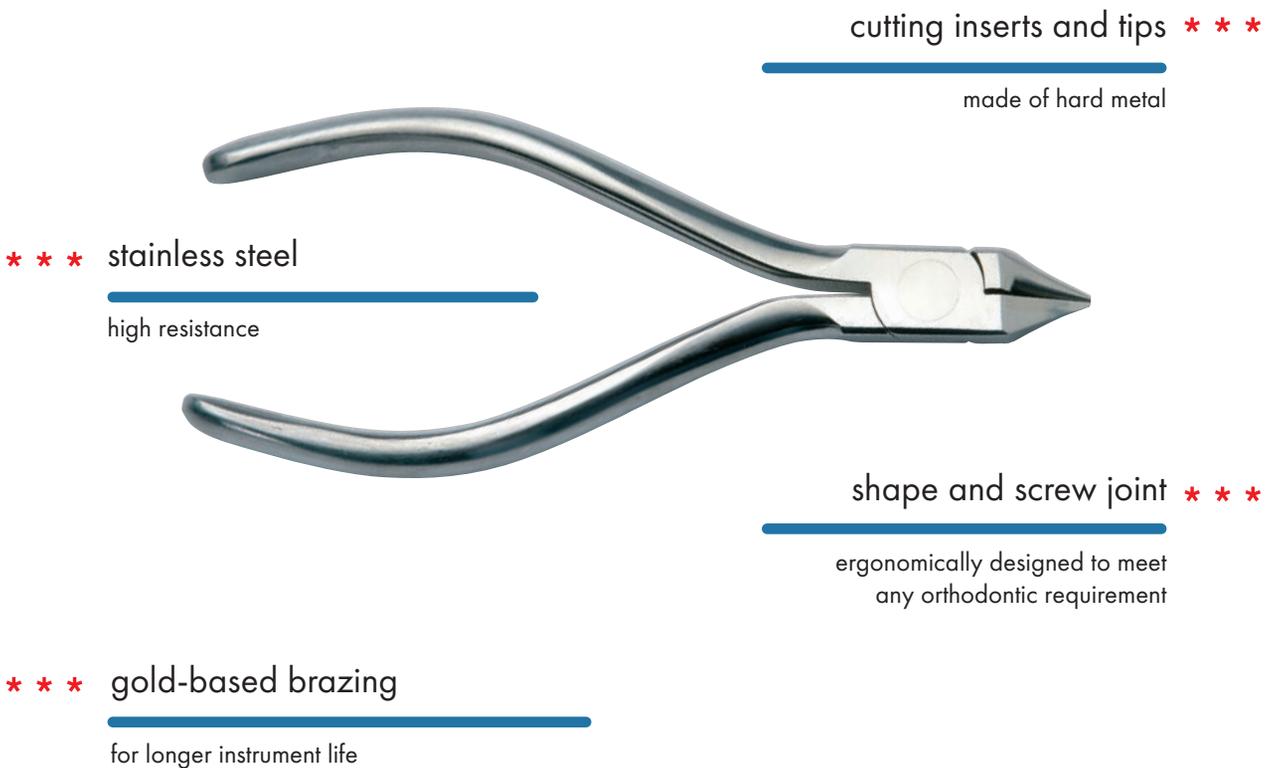
# PLIERS AND INSTRUMENTS



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

These instruments are made of stainless steel of a superior strength and guaranteed against any kind of sterilization processes. Hard metal cutting inserts and tips are gold brazed to the pliers body to afford longer instrument life.

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





**P1900-00** \* \* \*  
**BIRD BEAK PLIERS**  
**ANGLE STYLE**

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



**P1901-00** \* \* \*  
**LOOP FORMING PLIERS**  
**TWEED STYLE**

A pliers designed to make loops in round or rectangular wires up to .022"x.028" (0,56x0,71 mm). The cylindrical beaks has two sections: .043" (1,09 mm) and .063" 1,60 mm).

**P1450-00**  
**REPLACEMENT TIPS FOR P1901-00**



**P1902-00** \* \* \*  
**LOOP FORMING PLIERS**  
**TWEED STYLE**

A pliers designed to make in wires up to .022" (0,56 mm).



**P1352-00**  
**FLAT-TAPERED PLIERS**  
**TWEED STYLE**

With tapered beaks to form small sized loops and springs.



**P1903-00**  
**YOUNG STYLE**  
**PLIERS**

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



**P1156-00** \* \* \*  
**OPTICAL PLIERS**  
**MERRIFIELD STYLE**

Cone and concave beak pliers in stainless steel with tungsten carbide inserts designed to make loops, omega-loops and distal stops in round and rectangular wires. Approved by the C.H. Tweed International Foundation.

# loop forming pliers



**P1904-00**  
**LIGHT WIRE**  
**PLIERS**

\* \* \*

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



**P1130-00**  
**HOLLOW-CHOP**  
**PLIERS**



For contouring archwires and forming cuspid offsets.



**P1073-00**  
**LOOP CLOSING PLIERS**  
**NANCE STYLE**

With 4 sectioned tip for forming various size loops in rectangular and round wires.

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



**P1154-00**  
**MEDIUM WIRE PLIERS**  
**OPTICAL STYLE**



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



**P1155-00**  
**MEDIUM WIRE PLIERS**  
**OPTICAL STYLE**



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



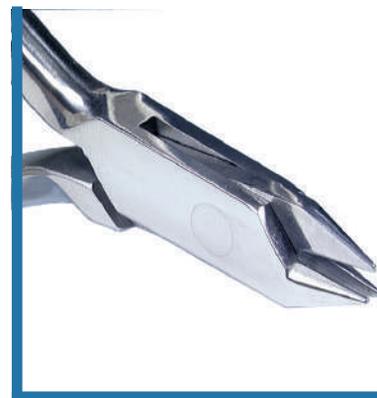
**P1905-00** \* \* \*  
**RECTANGULAR ARCH PLIERS**  
**TWEED STYLE SHORT JAW**

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



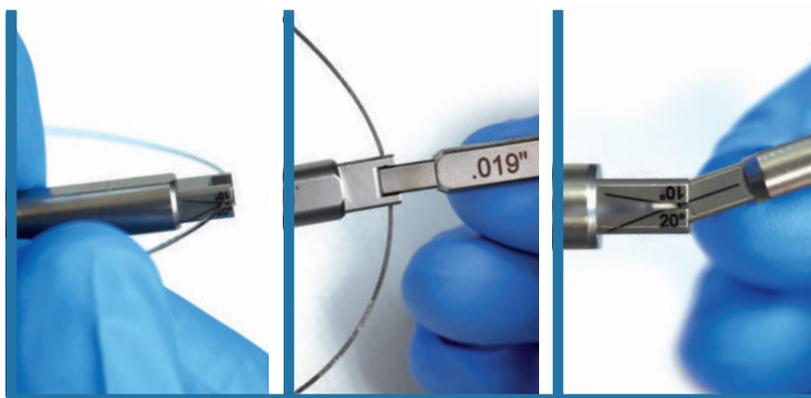
**P1906-00** \* \* \*  
**THREE JAW PLIERS**  
**ADERER STYLE MEDIUM**

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



**P1075-01** \* \* \*  
**THREE JAW PLIERS**  
**ADERER STYLE THIN**

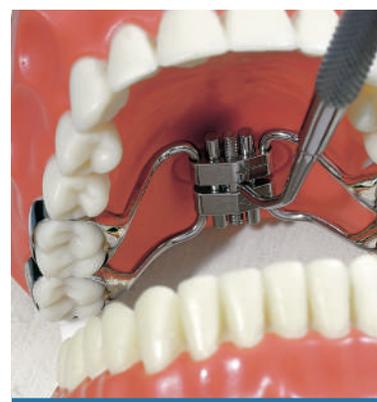
For round wires up to .020" (0,51 mm) and rectangular up to .021"x.025" (0,53x0,64 mm).



**P1635-00**  
**TORQUING INSTRUMENT**  
**FOR WIRE .019"x.025" AND .021"x.025"/.027"**

A device consisting of two components to easily apply torque to a portion of arch wire in proximity of a specific bracket. The instrument with the U end is used to mark out and maintain the selected portion of the arch wire. The additional instrument is used to firmly keep the rectangular wire and to apply the desired torque degrees. Thanks to the presence of a laser marked protractor, it is possible to check the degrees of torque given.

One instrument end is for arch wires .019"x.025", the other for .021"x.025"/.027"



**P1621-00**  
**INSTRUMENT**  
**FOR ENDORAL ACTIVATION**

Indicated for multifunctional orthodontic screws.



**P1907-00** \* \* \*  
**HOW STYLE PLIERS STRAIGHT**

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



**P1908-00** \* \* \*  
**HOW STYLE PLIERS STRAIGHT**

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



**P1909-00** \* \* \*  
**HOW STYLE PLIERS OFFSET**

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



**P1910-00** \* \* \*  
**WEINGART STYLE PLIERS**

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



**P1912-00** \* \* \*  
**ARCH FORMING AND CONTOURING PLIERS**

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



**P1913-00** \* \* \*  
**ARCH FORMING PLIERS**

Without grooves.



**P1916-00**  
DISTAL END CUTTER WITH SAFETY HOLD

\*\*\*

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

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



**P1915-00**  
DISTAL END CUTTER WITH SAFETY HOLD

\*\*\*

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

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



**P1914-00**  
MICRO DISTAL END CUTTER WITH SAFETY HOLD  
LONG HANDLES

\*\*\*

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

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



**P1911-00**  
STOP AND SURGICAL HOOK CRIMPING  
PLIERS

\*\*\*

A pliers designed to crimp surgical hooks in the archwire. It can also be used to fix round or rectangular stops.



**P1917-00**  
**HARD WIRE CUTTER**

\* \* \*

For cutting orthodontic wires for fixed technique any size.

**Caution:** maximum cutting capacity:

- rectangular wire up to .022"x.028" (0,56x0,71 mm);
- round wire up to .020" (0,51 mm).



**P1918-00**  
**45° OFFSET LIGATURE CUTTER**

\* \* \*

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

**Caution:** maximum cutting capacity:

- ligature wire up to .014" (0,36 mm).



**P1919-00**  
**MINIATURE LIGATURE CUTTER**

\* \* \*

For soft wires.

**Caution:** maximum cutting capacity:

- ligature wire up to .014" (0,36 mm).



**P1099-00**  
**HEAVY DUTY CUTTER**

For hard wires up to 1,5 mm.



**P1920-00**  
D.B. BRACKET  
REMOVING PLIERS

\*\*\*

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



**P1921-00**  
D.B. BRACKET  
REMOVING PLIERS

\*\*\*

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

**P1451-00**  
METAL TIP FOR P1921-00

**P1452-00**  
VINYL TUBE - 15 CM FOR P1921-00



**P1922-00**  
POSTERIOR BAND  
REMOVING PLIERS LONG

\*\*\*

Necessary for removal of posterior bands. A plastic padded tip and a sharp removing beak allow, with a slight pressure, high precision band removal.



**P1923-00**  
POSTERIOR BAND  
REMOVING PLIERS SHORT

\*\*\*

Same design and function as P1922-00 but with a short beak for a better occlusal support.



**P1403-00**  
WRENCH  
FOR CLASSIX PLIERS

For pliers joint.

**P1453-00**  
REPLACEMENT PAD 3/16" (4,8 mm)  
FOR P1922-00 - P1923-00



**P1530-00**  
**LABORATORY PLIERS**  
**ADAMS STYLE**

\*\*\*

Large tips with tungsten carbide inserts. Necessary for bending wires in the laboratory. A round cone tip of 1,3 mm and a pyramid beak of 1,4 mm. For wires up to 1,5 mm. Excellent for Crozat technique.



**P1034-00**  
**THREE JAW PLIERS ROUND**

\*\*\*

Very sturdy, does not score wires. Suitable for bending the arms of expanders. For wires up to 1,5 mm.

**P1034-93**  
**THREE JAW PLIERS ROUND**  
**WITH P1620-02**

\*\*\*



**P1099-00**  
**HEAVY DUTY CUTTER**

For hard wires up to 1,5 mm



**P1162-00**  
**UNIVERSAL PLIERS**

Extremely tapered design. For wires up to 0,9 mm.



**P1163-00**  
**UNIVERSAL PLIERS**

Classic design. For wires up to 0,9 mm.



**P1097-00**  
**ADAMS CLASP**  
**FORMING PLIERS NANCE STYLE**

For forming Adams clasps and small stops in the archwires. For wires up to 0,7 mm.



balanced  
articulated joint

smooth and precise movement

special steel

superior hardness perfect wire hold  
resistance to corrosion

ergonomic handles

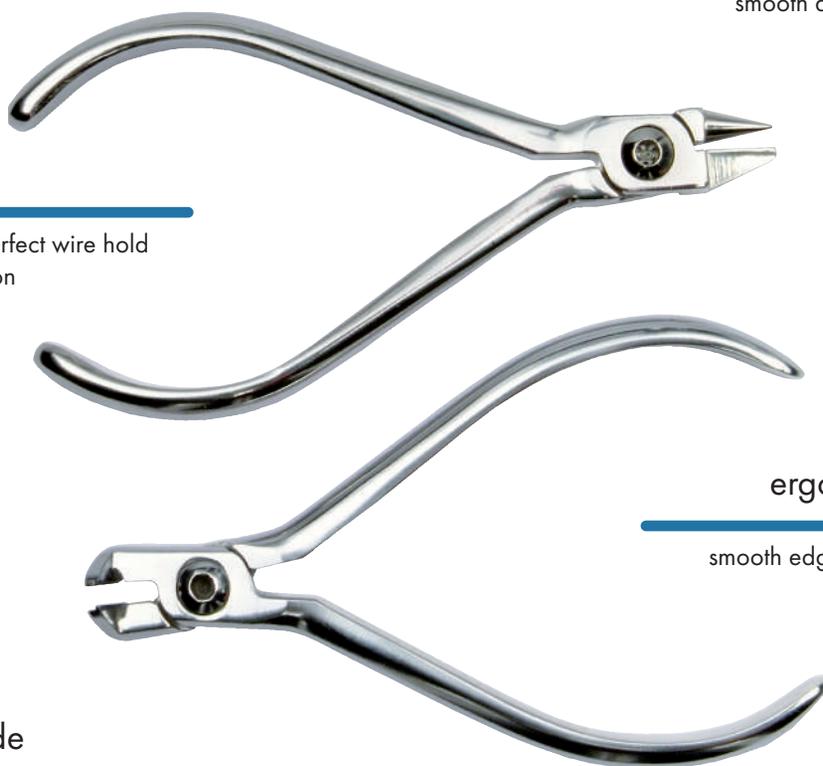
smooth edges for easy guidance

tungsten carbide  
cutting inserts

diamond honed for precise wire cutting  
and long-lasting results

hard chrome finish

for high resistance during sterilization



A range of 10 instruments has been selected to meet any orthodontic basic requirement.

**Classix** pliers and cutters are manufactured with a special and superior hard steel to afford an optimal wire hold and resistance to corrosion of tips.

All **Classix** instruments feature a special inner balanced joint allowing a smooth and precise, long lasting movement.

**Classix** cutters' cutting edges have tungsten carbide inserts, diamond honed for precise cutting of wires and pliers' long lifetime.

All cutters are entirely hard chrome finished for high resistance during sterilization.

Classix instruments feature ergonomic handles and smooth rounded surfaces to allow the orthodontist for easy handling and best operational precision.



**P2101-00**  
**BIRD BEAK PLIERS ANGLE STYLE**

Necessary for working round wires up to .045" (1,14 mm). Beaks are only .025" (0,64 mm) at the tip to bend loops and omega loops, even small ones. A 10° angle is ground on the sides of the rectangular beak to compensate for wire spring-back in the modelling stage. Beaks are parallel at .020" (0,51 mm) pliers opening and diamond honed to prevent wire scoring.



**P2102-00**  
**OMEGA LOOP FORMING PLIERS TWEED STYLE**

Concave beak is contoured for making more uniform omega loops with ease. The round beak has three sections: .045" (1,14 mm), .060" (1,52 mm), .075" (1,90 mm) and made of a hard electro etched alloy to prevent wire slippage. Tip can be easily replaced with the use of the allen wrench.

**P2000-01** REPLACEMENT TIPS FOR P2102-00  
Pack of 2 tips and 1 wrench



**P2103-00**  
**THREE-JAW PLIERS**

The central beak is precision aligned and when the pliers is closed, it fits over the level of the two lateral beaks to form bends more acute than 90°. The tips are slightly tapered and diamond honed to prevent wire scoring. For round wires up to .036" (0,9 mm). It allows the activation of quad helix, palatal bars etc. in the oral cavity as well.



**P2104-00**  
**UTILITY PLIERS WEINGART STYLE**

The tips are shaped to firmly hold wires and devices and perfectly angled to enhance the visibility of the operative field. The two beaks are diamond honed to make it lip safe.



**P2105-00**  
**BAND REMOVING PLIERS**

When the pliers is closed, the non-padded remover tip does not get in contact with the acetalic resin pad: this allows it to make lever on the tube or the accessory, or on the edge of the band facilitating the safe removal from the mouth.

**P2000-02** REPLACEMENT PAD 3/16" (4,8 MM) FOR P2105-00



**P2106-00**  
**D.B. BRACKET REMOVING PLIERS**

The tapered tips wedge between both edges of the base of the bracket and the tooth surface: by slightly lifting off, the bracket is easily removed without any damage to the enamel. Useful also for removal of ceramic brackets.



**P2107-00**  
**RECTANGULAR ARCH FORMING PLIERS TWEED STYLE**

For handling square or rectangular wires, torquing and forming precision bends. The beaks are designed to be parallel at .020" (0,51 mm) pliers opening and diamond honed to prevent wire scoring.



**P2108-00**  
**DISTAL END CUTTER WITH SAFETY HOLD**

Designed for cutting the excess of distal wire and holding the loose archwire safely. The special design and the accurate sharpening of the cutting edges make it to be functional with either thin or coaxial wires.

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



**P2109-00**  
**HARD WIRE CUTTER**

The hard construction and the quality of sharpening of the cutting edges allow for use with any section of wire for fixed orthodontics. At maximal closure, the sharpening ends only touch at the tip to ensure precise action with any archwire section.

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

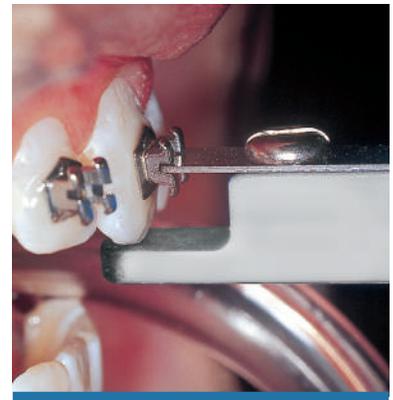


**P2110-00**  
**LIGATURE CUTTER**

The tips are 15° angled for better field vision near the bracket's tie wings.

The cutting inserts have wide backing ledges to guarantee the maximum anchorage to the body of the instrument.

**Caution:** maximum cutting capacity: round wires .015" (0,38 mm)



## UNIVERSAL BRACKET POSITIONING GAUGES

Made of aluminium and stainless steel. Autoclavable.  
Used with either .018" or .022" slot brackets.  
Colour coded for immediate identification.

colour		size
green	<b>P1601-00</b>	2 - 2,5 mm
red	<b>P1602-00</b>	3 - 3,5 mm
blue	<b>P1603-00</b>	4 - 4,5 mm
purple	<b>P1604-00</b>	5 - 5,5 mm

**P1600-95** Assorted kit of 4



## **P1509-00** STAINLESS STEEL UNIVERSAL BRACKET ALTIMETER

A small device for measurement of the right height of bracket slots.



## **P1026-00** D.B. BRACKET TWEEZERS

It holds any type of bracket, from a wide twin to a single one.  
Self-locking of the bracket and release by pressure.  
Several tweezers can be pre-loaded with brackets to bond them one after the other.

**P1098-00**  
**UTILITY INSTRUMENT**



**P1520-00**  
**SCREWDRIVER**

For use with micro spring screws.  
Tip of 1,5 mm.



**P1630-00**  
**MODELLING SPATULA LE CRON STYLE**



**P1025-00**  
**DYNAMOMETER**

\*\*\*

High precision gauge for measuring tensile and compression forces exerted by springs and elastics for a maximum range of 16 oz (0,4536 Kg). It is calibrated with 1 oz. single line and 4 oz double line increments.



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

\*\*\*

It makes the conversion of rectangular tube easy when banding of the second molar is required. Autoclavable.

**P1090-01**  
**REPLACEABLE TIPS P1090-00**  
Pack of 2



# band seating instruments



**P1001-01**  
**BAND DRIVER OFFSET TIP**

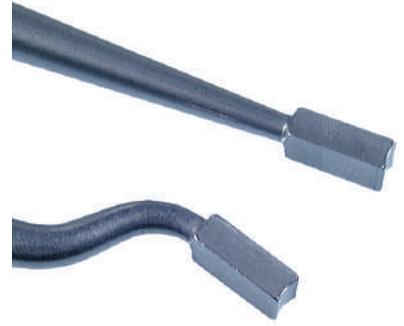
\* \* \*

Fully made of stainless steel.  
For placement and adjustment of bands. Activation is ease in all positions.  
Seating pressure range 80 up to 1000 g.

**P1000-01**  
**BAND DRIVER STRAIGHT TIP**

\* \* \*

Exactly the same as P1001-01 but with straight tip.



**P1002-01**  
**REPLACEMENT TIP**  
**FOR P1001-01**

**P1003-01**  
**REPLACEMENT TIP**  
**FOR P1000-01**



**P1077-00**  
**MERSHON BAND ADAPTER**



**P1092-00**  
**BAND ADAPTER**

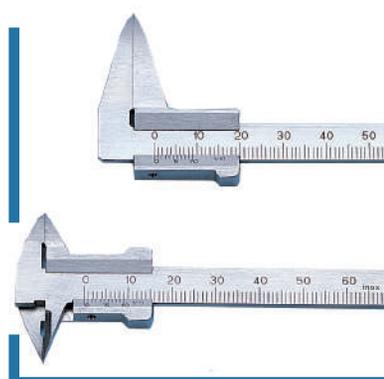
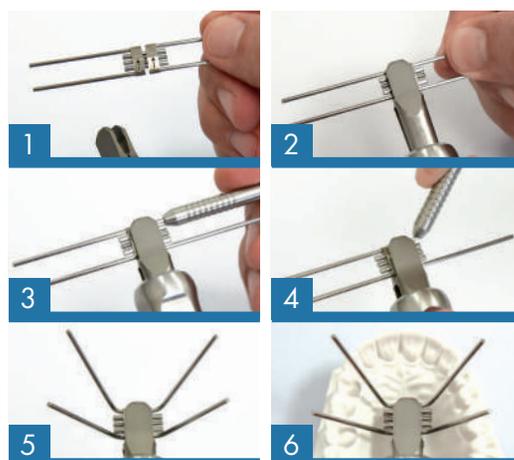
Simple, user-friendly and practical.  
It allows the band to be adapted to tooth anatomy, without nicking or damaging it.



## ARM BENDING AND SELF-LOCKING INSTRUMENT\* FOR EXPANDERS

Handy instrument to firmly hold the expander; it allows for easy and accurate modeling of the arms along with the special arm bending P1620-02. The instrument ends, with a clutch mechanism, are shaped on the model of expander to avoid damage to the bodies and are kept closed by a cursor clamp device that is turned on and off with a simple thumb action. The edge thickness of the clutching ends is designed to indicate the minimum space between the body of the expander and the palatal vault. By placing the instrument with the screw on the plaster model, the correct inclination and the right height to bend the arms will be clearly visible. It is also useful to test the expander prior to use by opening and closing the expander with the special straight key.

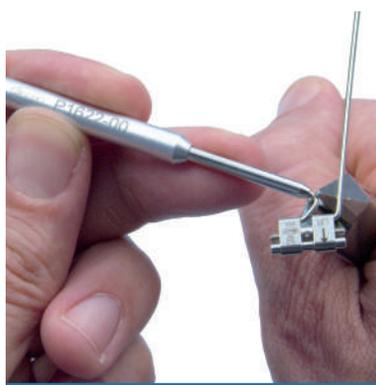
		for expanders
	<b>P0620-00</b>	A0620-08/09/11/13/15 A2620-07/10/12
	<b>P0630-00</b>	A0631-08/10/12
	<b>P0621-00</b>	A0621-08/11 A1621-08/11/13
	<b>P0625-09</b>	A0625-09
	<b>P0625-07</b>	A0625-07



## DENTAL VERNIERS

**P1078-15** Long tips

**P1560-15** Double tips  
Specific for inner and outer measurement



**P1622-00**  
ARM BENDING INSTRUMENT FOR FAST BACK

It facilitates the job of the technician during the construction of the device. It allows to maintain the linearity of the arm which has to slide on the palatal tube. The aluminium handle joined to the tempered steel tube assures a firm grip to get accurate bends.



**P1620-02**  
ARM BENDING INSTRUMENT FOR EXPANDERS

Ideal to bend the expander's arms with ease and precision. Also for expanders with long arms.

\*PATENTED

**TURRET FOR FORMING RECTANGULAR OR ROUND ARCHWIRES**

For forming arch wires with or without torque adjustment.  
Available in six different versions and colour codes.  
The wire slotted body is made of stainless steel.



**P1167-00**  
**TURRET**  
**BLUE code**

\*\*\*

For forming rectangular arch wires  
.016" up to .0215".



**P1266-00**  
**TURRET**  
**BLACK code**

\*\*\*

For forming rectangular arch wires with  
torque adjustments: 0° - 10° - 16° - 23°.  
For use only with wire: .016"x.022".



**P1168-00**  
**TURRET**  
**GOLD code**

\*\*\*

For forming rectangular arch wires with  
torque adjustments: 0° - 7° - 10° - 13° - 16°.  
For use only with wire: .018".



**P1267-00**  
**TURRET**  
**PURPLE code**

\*\*\*

For forming rectangular arch wires with  
torque adjustments: 0° - 10° - 16° - 23°.  
For use only with wire: .016"x.016".



**P1170-00**  
**TURRET**  
**SILVER code**

\*\*\*

For forming rectangular arch wires with  
torque adjustments: 0° - 7° - 10° - 13° - 16°.  
For use only with wire: .022".



**P1169-00**  
**TURRET**  
**GREEN code**

\*\*\*

For forming round arch wires:  
.014" - .016" - .018" - .020".

**P1139-00**  
**LIGATURE TUCKER**

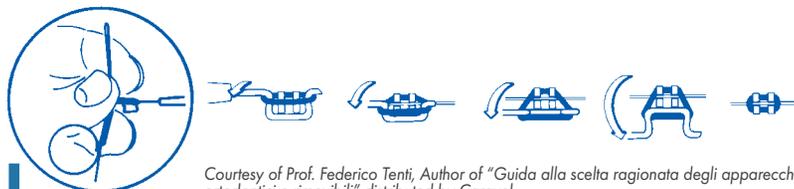
Double ended for placement or removal of elastics. Necessary for tucking metal ligatures.

**P1500-00**  
**ELASTIC LIGATURE THREADER**

It facilitates placement of elastic ligatures under bracket tie wings.

**P1576-00**  
**LIGATURE AND ARCHWIRE TUCKER**

Useful for insertion of the arch wire into bracket slot. It is also used to tuck metal ligatures and to apply elastic chains.



**P1505-01** \* \* \*  
**TWISTER**  
**FOR PREFORMED LIGATURE TIES**  
**K4430-25 AND K4480-30**

Fully made of stainless steel. Push the back button to insert the preformed ligature tie. It makes position and final legation easy.



**P1515-00**  
**FAN-TYPE HAND WRENCH**

Thanks to its design, this screwdriver allows you to easily tighten the fixing screws for support of the Telescopic Advancer devices.



**P0201-00**  
**BENDING INSTRUMENT**  
**FOR TADs ATTACHMENTS**

Made of two components, it is useful to customize and adapt the attachments for TADs palatal expanders to every anatomical and treatment need. Both components are made of stainless steel and laser marked.



**LIGATURE TYING PLIER MATHIEU STYLE**

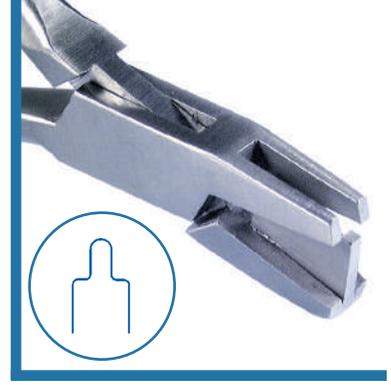
**P1160-00** Tips of 2,5 mm

**P1161-00** Tips of 1,5 mm



**P1141-00**  
**SEPARATOR PLACING PLIERS**

For use with radio opaque separators K6378-00.



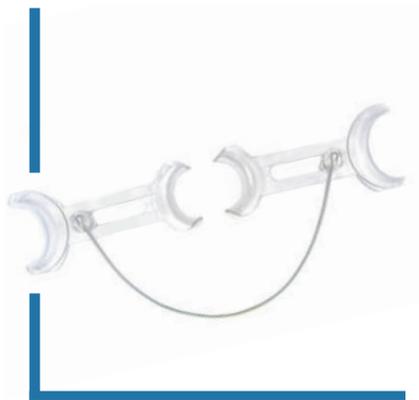
**P1142-00**  
**LIGATURE WIRE FORMING PLIERS**

For soft wires up to .014" (0,36 mm).



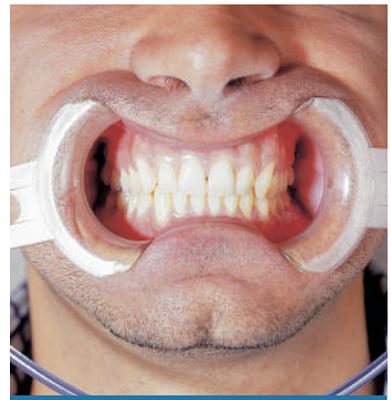
**P1089-00**  
**MOSQUITO FORCEPS OFFSET**

**P1088-00**  
**MOSQUITO FORCEPS STRAIGHT**



**P3000-01**  
**LIP RETRACTOR**

Well tolerated by patient, it allows an excellent visibility and ease of use. The plastic retractors are connected by a sturdy steel bridge which does not interfere with the field of vision. Necessary with the direct bonding technique and for taking oral photographs. Autoclavable. Transparent.



**P3000-91**  
**LIP RETRACTOR KIT**

Kit content:  
- 5 couples of transparent retractors,  
- 2 bridges.