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.

- cutting inserts and tips ***
  - made of hard metal

- stainless steel ***
  - high resistance

- shape and screw joint ***
  - ergonomically designed to meet any orthodontic requirement

- gold-based brazing ***
  - for longer instrument life
P1901-00
REPLACEMENT TIPS FOR P1901-00

P1900-00

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 have two sections: .043" (1,09 mm) and .063" (1,60 mm).

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 ENDOREAL ACTIVATION

Indicated for multifunctional orthodontic screws.
specialty and utility pliers

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.
**distal end cutters and specialty pliers**

**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).

**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).

**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.

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.

P1451-00  METAL TIP FOR P1921-00

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

P1453-00  REPLACEMENT PAD 3/16” (4,8 mm) FOR P1922-00 - P1923-00
laboratory pliers

**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.

**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.

**P1099-00**
HEAVY DUTY CUTTER

For hard wires up to 1,5 mm

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

**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.
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.
Classix pliers and cutters

**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 alien 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**
Classix pliers and cutters

**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, torqueing 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"x0.028" (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"x0.028" (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)
direct bonding instruments

UNIVERSAL BRACKET POSITIONING GAUGES

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

<table>
<thead>
<tr>
<th>colour</th>
<th>size</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>green</td>
<td>2 - 2.5 mm</td>
<td>P1601-00</td>
</tr>
<tr>
<td>red</td>
<td>3 - 3.5 mm</td>
<td>P1602-00</td>
</tr>
<tr>
<td>blue</td>
<td>4 - 4.5 mm</td>
<td>P1603-00</td>
</tr>
<tr>
<td>purple</td>
<td>5 - 5.5 mm</td>
<td>P1604-00</td>
</tr>
</tbody>
</table>

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 TWEETERS

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

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.

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 ARCH WIRES

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”.

- **P1168-00**
  - **TURRET**
  - **GOLD code**
  - For forming rectangular arch wires with torque adjustments: 0° - 7° - 10° - 13° - 16°.
  - For use only with wire: .018”.

- **P1169-00**
  - **TURRET**
  - **GREEN code**
  - For forming round arch wires: .014” - .016” - .018” - .020”.

- **P1170-00**
  - **TURRET**
  - **SILVER code**
  - For forming rectangular arch wires with torque adjustments: 0° - 7° - 10° - 13° - 16°.
  - For use only with wire: .022”.

- **P1176-00**
  - **TURRET**
  - **BLACK code**
  - For forming rectangular arch wires with torque adjustments: 0° - 10° - 16° - 23°.
  - For use only with wire: .016”x.022”.

- **P1266-00**
  - **TURRET**
  - **PURPLE code**
  - For forming rectangular arch wires with torque adjustments: 0° - 10° - 16° - 23°.
  - For use only with wire: .016”x.016”.

- **P1276-00**
  - **TURRET**
  - **GREEN code**
  - For forming round arch wires: .014” - .016” - .018” - .020”.

www.leone.it
ligating instruments

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.
ligating instruments and lip retractors

**Ligature TYING PLIER Mathieu Style**

- **P1160-00** Tips of 2,5 mm
- **P1161-00** Tips of 1,5 mm

**Mosquito Forceps Offset**

- **P1089-00**

**Mosquito Forceps Straight**

- **P1088-00**

**Mosquito Forceps Offset**

- **P1089-00**

**Ligature TYING PLIER Mathieu Style**

- **P1141-00** Separator Placing Pliers
  - For use with radio opaque separators K6378-00.

**Separator Placing Pliers**

- **P1141-00**

**Ligature Wire Forming Pliers**

- **P1142-00**
  - For soft wires up to .014" (0,36 mm).

**Lip Retractor Kit**

- **P3000-91**
  - Kit content:
    - 5 couples of transparent retractors,
    - 2 bridges.

**Lip Retractor**

- **P3000-01**
  - 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.