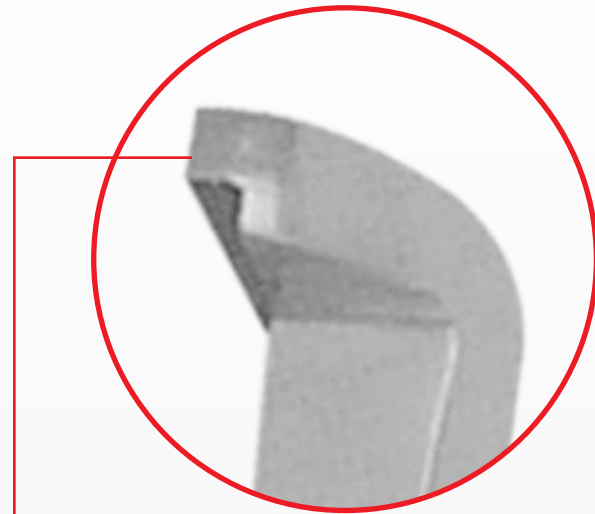
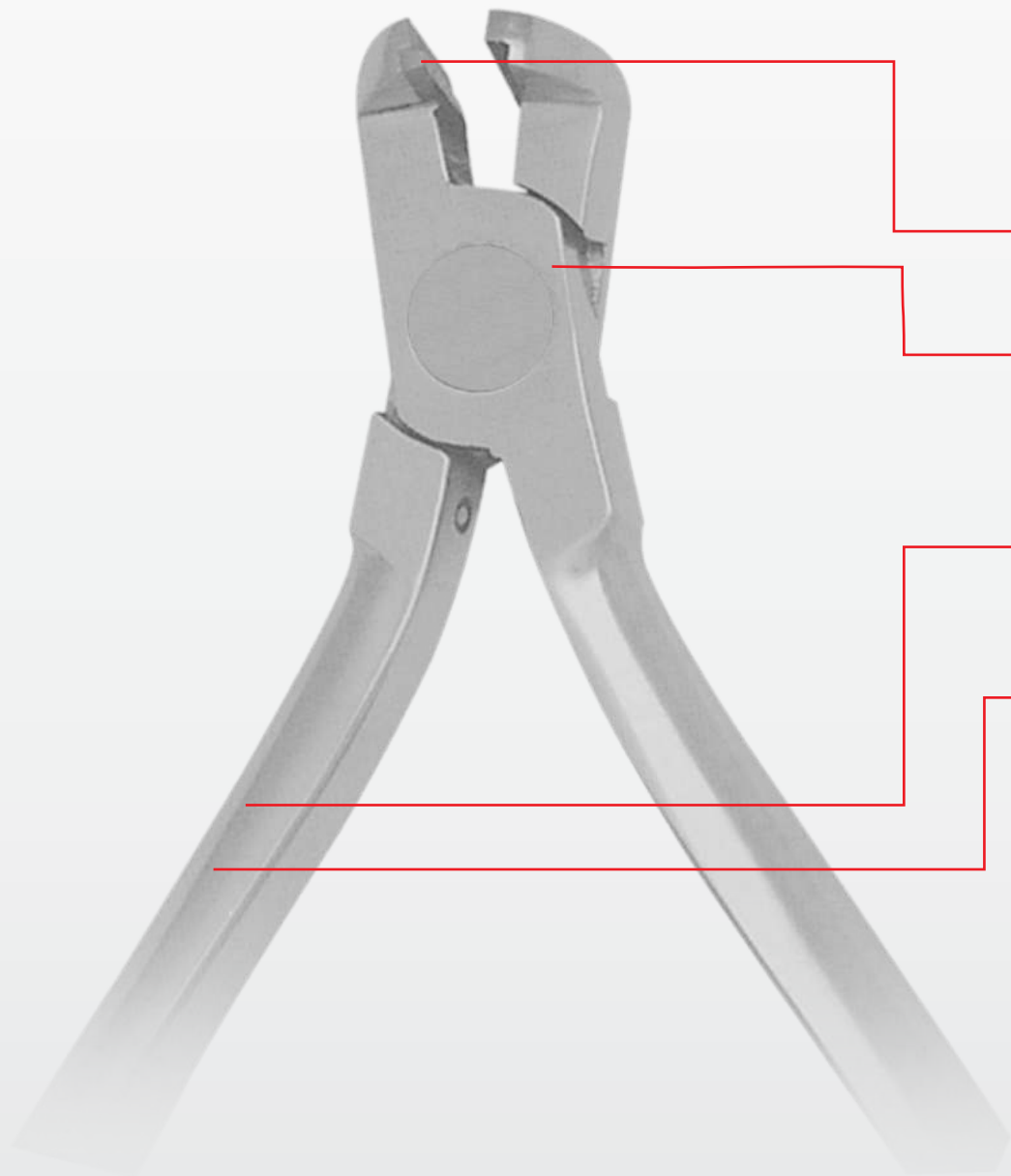


COMPLETE RANGE OF  
**ORTHODONTIC**  
INSTRUMENTS  
AVAILABLE



**A-**Maximum performance  
immunity tungstencarbide inserts.



**B-** Diamond-honed cutting  
edges

**C-** High-quality, corrosion  
resistant stainless steel  
forgings

**D-** Ergonomic design for  
maximum comfort and safety

**E-** Stunning satin finish  
reduces glare for precise  
treatment

Orthodontic Instruments  
Instrumentos ortodônticos



**OT-17-186**  
Castroviejo



**OT-17-187**  
Bone Caliper Double Scale  
15.5 cm



**OT-17-188**  
Separating Plier for Separators



**OT-17-189**  
Ligature Tying Plier



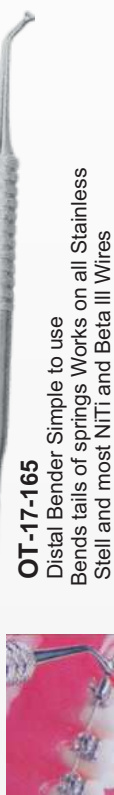
**OT-17-190**  
Boley



**OT-17-191**  
Beerendonk



OT-17-160 OT-17-161 OT-17-162 OT-17-163 OT-17-164



**OT-17-165**  
Distal Bender Simple to use  
Bends tails of springs Works on all Stainless  
Steel and most NiTi and Beta III Wires



**OT-17-166**  
NiTi Ice Instruments Turns NiTi wire soft and  
flexible Immediately Designed for Intraoral use  
Durable Stainless Steel design



**OT-17-167**  
Positive Positioner Precise Placement  
of any direct bond attachment  
Light weight design Hard Anodized aluminum



**OT-17-169**  
Bracket Positioning Gauge



**OT-17-168**  
Taylor Tweezer 15 cm



**OT-17-170** Twirl-On Director Applicator



**OT-17-171** Legatur Director



**OT-17-172** Legatur Director



**OT-17-173** Band Pusher and Schure Scaler



**OT-17-174** Band Pusher and Schure Scaler



**OT-17-101 TC**  
Wire Cutter upto  
022" x .028" Ligature Wires  
(0.22 mm x 0.51 mm)



**OT-17-102 TC**  
Hard Wire Cutter  
022" x .028"  
(0.56 mm x 0.71 mm)



**OT-17-202A**  
Ligature & Pin Cutter  
Straight 12.5 cm



**OT-17-103 TC**  
Side Nipper for Lock Pins and  
Ligatures for Soft Thin Wire  
.016" (0.4 mm)



**OT-17-104 TC**  
Wire Cutter Angled 45  
upto .015" (0.38 mm)



**OT-17-105 TC**  
Micro Light Wire Cutter upto  
Max 0.15 mm , 14 cm



**OT-17-106 TC**  
Micro Distal & Cutter  
Safety Hold Hard Wire  
.022" x .025"  
(0.55 mm x 0.64 mm)



**OT-17-107 TC**  
Wire Cutter upto  
.014" (0.36 mm)

**Orthodontic Instruments  
Instrumentos ortodônticos**



**OT-17-108 TC**  
Distal End Cutter Safety Hold  
Re : .022" x .028" (0.55 mm x 0.71 mm)  
Ro : .020" x .016" (0.51 mm x 0.41 mm)



**OT-17-109 TC**  
Micro Distal End Cutter - Safety Hold  
Re : upto .022" x .028" (0.55 mm x 0.71 mm)  
Ro : .020" (0.50 mm)



**OT-17-109A TC**  
Distal End Cutter, Universal Cut,  
Long Handle 14cm



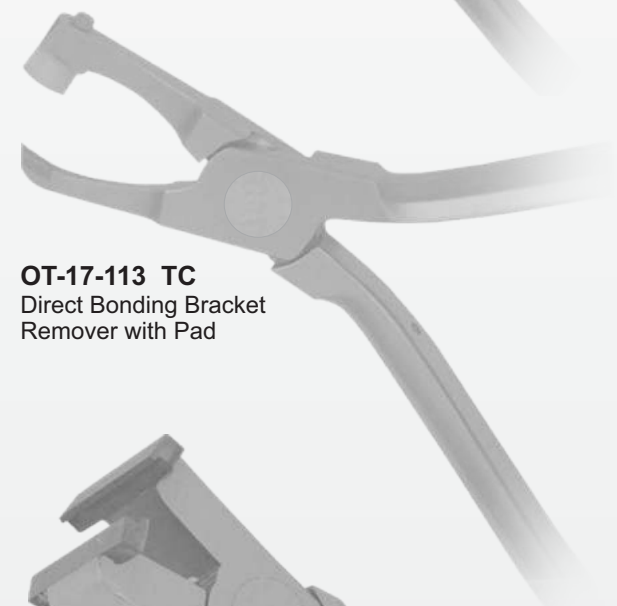
**OT-17-110 TC**  
Micro Distal End Cutter  
Safety Hold  
upto 0.21 mm x 0.70 mm  
14 cm



**OT-17-111 TC**  
Distal End Cutter  
Safety Holding (Round Shape)  
Re : 0.56 mm x 0.75 mm  
Ro : 0.51 mm



**OT-17-112**  
Posterior Band Remover



**OT-17-113 TC**  
Direct Bonding Bracket  
Remover with Pad



**OT-17-114 TC**  
Detailing Step Plier Special  
Double Side Offset Head  
Forms Bayonet Bands.  
Forms Right Hand or Left Hand  
Step-up or Step-Down  
Bends In 1 mm Increments.  
Remover with Pad

**Orthodontic Instruments  
Instrumentos ortodônticos**



**OT-17-151**  
Universal



**OT-17-152**  
New Universal



**OT-17-153**  
Nance 15 cm



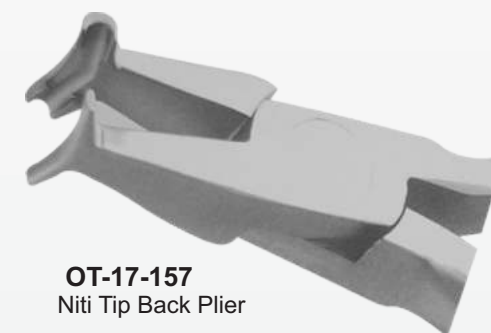
**OT-17-154**  
Schwarz



**OT-17-155**  
Waldschs 15 cm



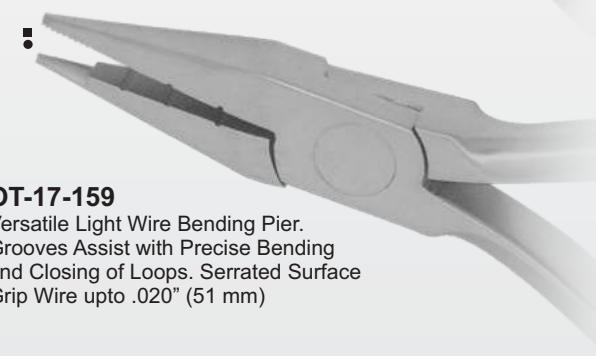
**OT-17-156**  
Heavy Wire Cutter  
for Hard Wires upto  $\varnothing$  1.5 mm



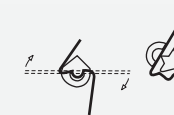
**OT-17-157**  
Niti Tip Back Plier



**OT-17-158**  
Aderer 14 cm



**OT-17-159**  
Versatile Light Wire Bending Pier.  
Grooves Assist with Precise Bending  
and Closing of Loops. Serrated Surface  
Grip Wire upto .020" (51 mm)





**OT-17-141**  
Palatal Arch Plier  
Allow Easy Placement or Removal



**OT-17-142**  
Flat Nose Plier with Smooth  
Breaks for Bending



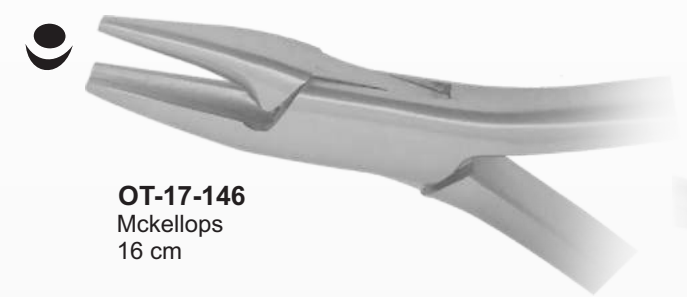
**OT-17-143**  
Adams Plier for Wire Bending



**OT-17-144**  
Round Nose Plier  
for Wire Bending



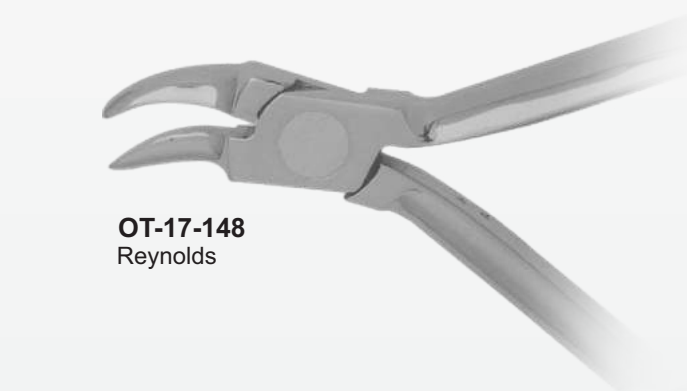
**OT-17-145**  
Double Rounded Jaw  
Wire Bending Plier



**OT-17-146**  
McKellops  
16 cm



**OT-17-147**  
McKellops  
14 cm



**OT-17-148**  
Reynolds



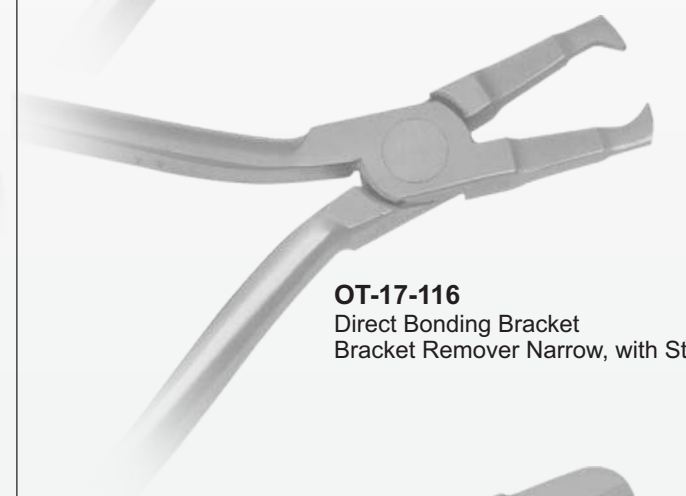
**OT-17-149**  
Bird Beak Plier Bending Round,  
Square or Rectangular



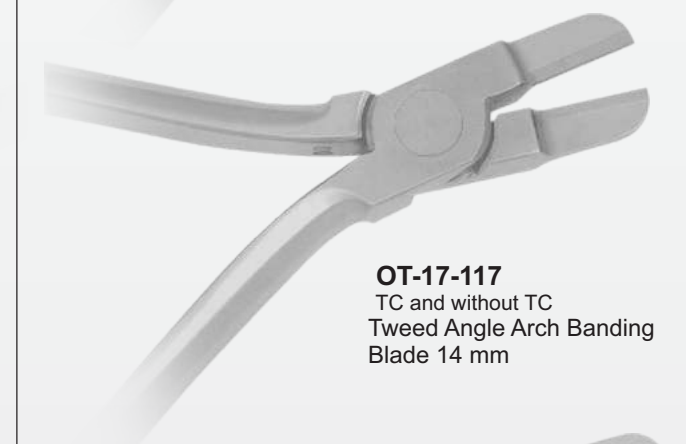
**OT-17-150**  
Bird Beak Plier Bending Round,  
Square or Rectangular



**OT-17-115**  
Direct Bonding Attachment  
Bracket Remover (Angled) with Stop Screw



**OT-17-116**  
Direct Bonding Bracket  
Bracket Remover Narrow, with Stop Screw



**OT-17-117**  
TC and without TC  
Tweed Angle Arch Banding  
Blade 14 mm



**OT-17-118**  
TC and without TC  
Tweed Angle Arch Banding  
Blade 10 mm



**OT-17-119**  
Ben Seating Plier Will Firmly  
Grip The Bracket's Tie Wing Aiding  
In The Seating of The Band. Designed  
with Serrated Tips For Maximum Grip  
That Prevent Slippage During use.



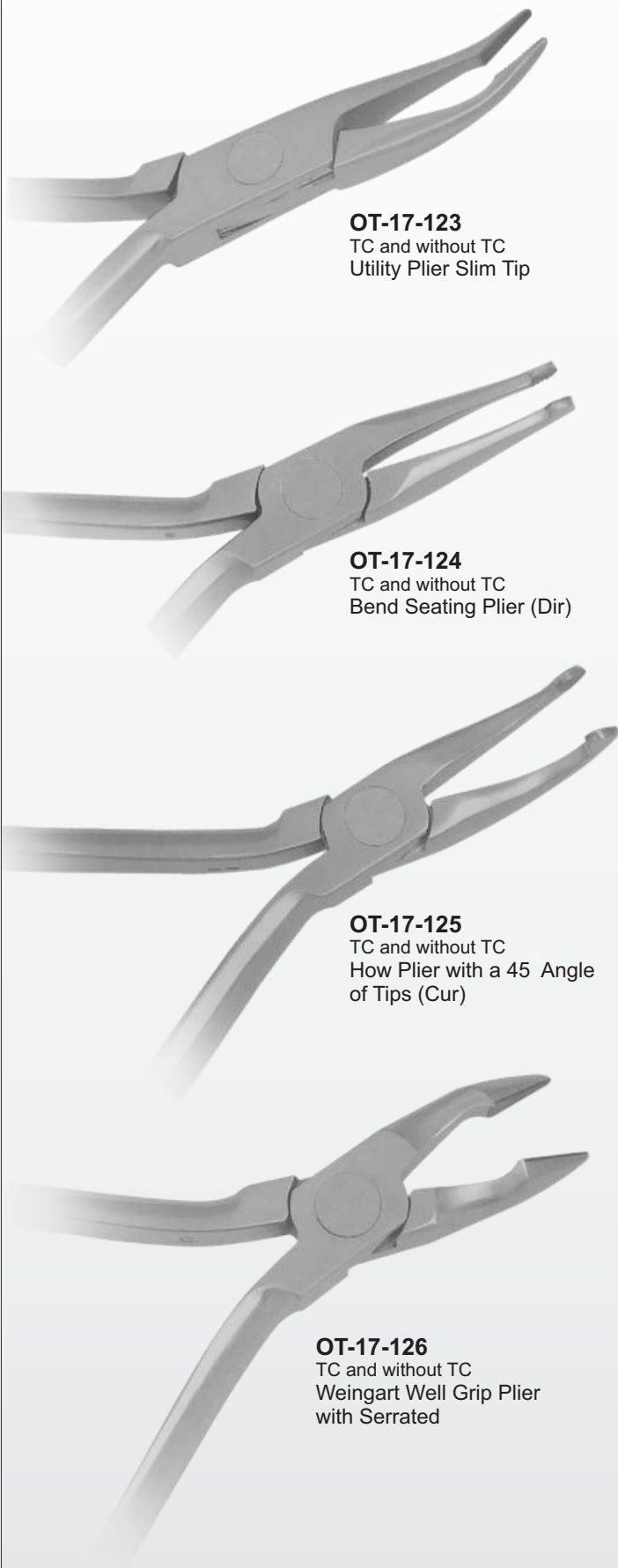
**OT-17-120**  
TC and without TC  
Tweed Angle Arch Banding  
Blade 6.5 mm



**OT-17-121**  
TC and without TC  
Arch Forming Plier



**OT-17-122**  
Legature Arch Bending Plier

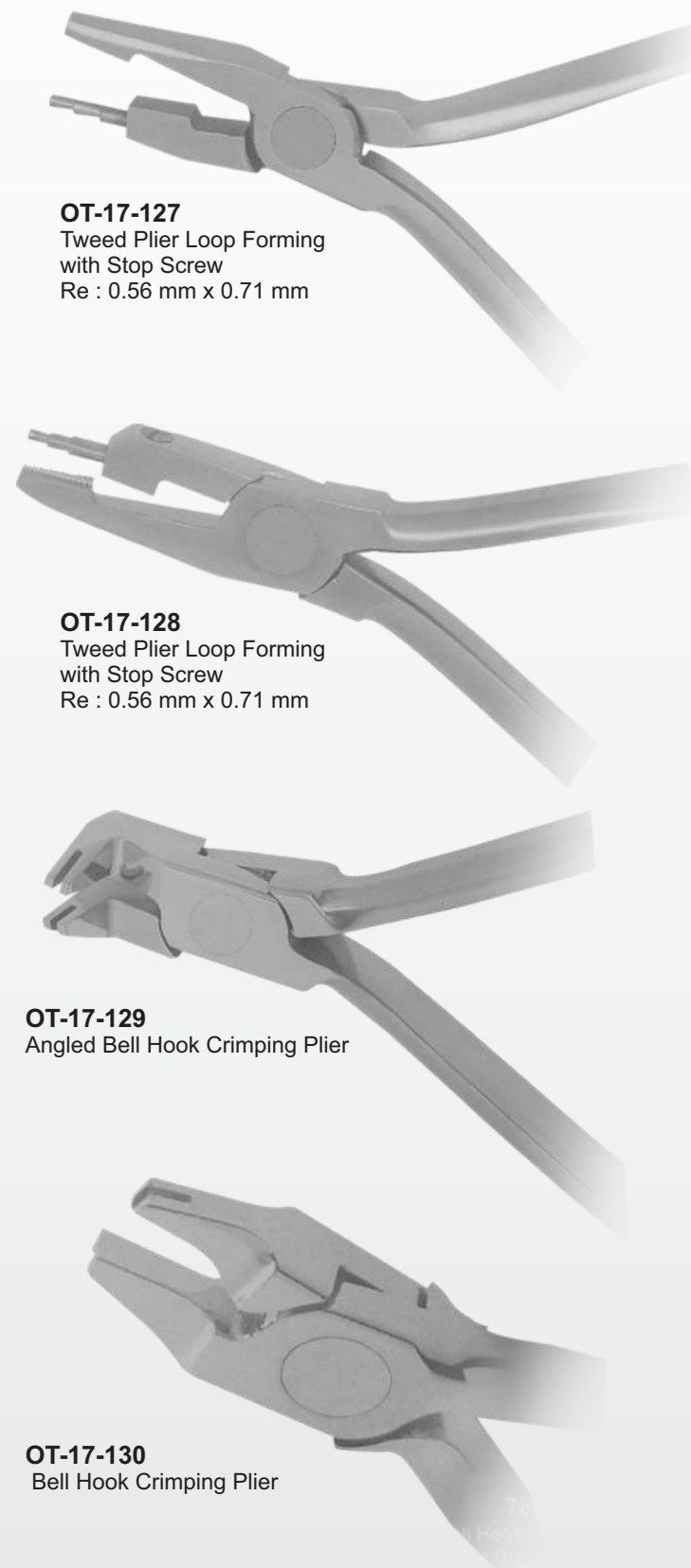


**OT-17-123**  
TC and without TC  
Utility Plier Slim Tip

**OT-17-124**  
TC and without TC  
Bend Seating Plier (Dir)

**OT-17-125**  
TC and without TC  
How Plier with a 45° Angle  
of Tips (Cur)

**OT-17-126**  
TC and without TC  
Weingart Well Grip Plier  
with Serrated

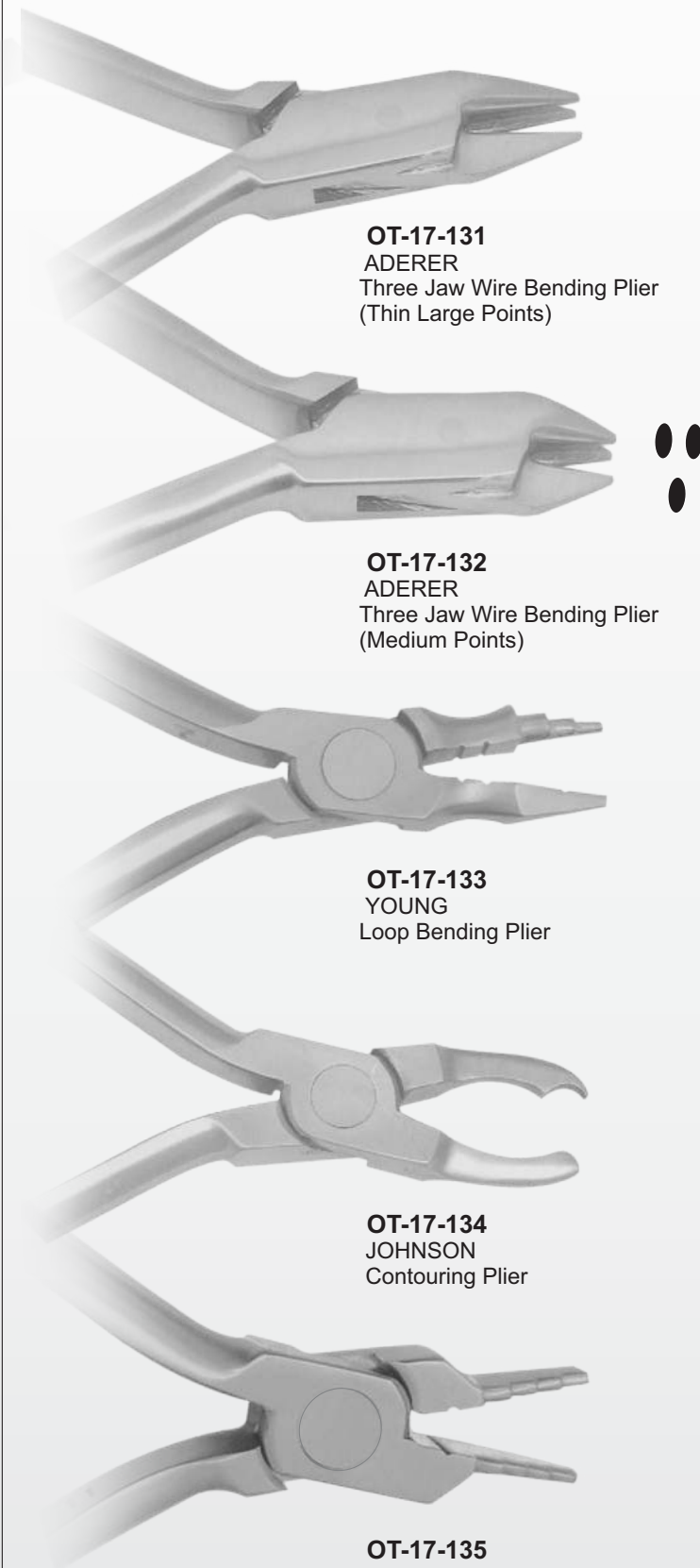


**OT-17-127**  
Tweed Plier Loop Forming  
with Stop Screw  
Re : 0.56 mm x 0.71 mm

**OT-17-128**  
Tweed Plier Loop Forming  
with Stop Screw  
Re : 0.56 mm x 0.71 mm

**OT-17-129**  
Angled Bell Hook Crimping Plier

**OT-17-130**  
Bell Hook Crimping Plier



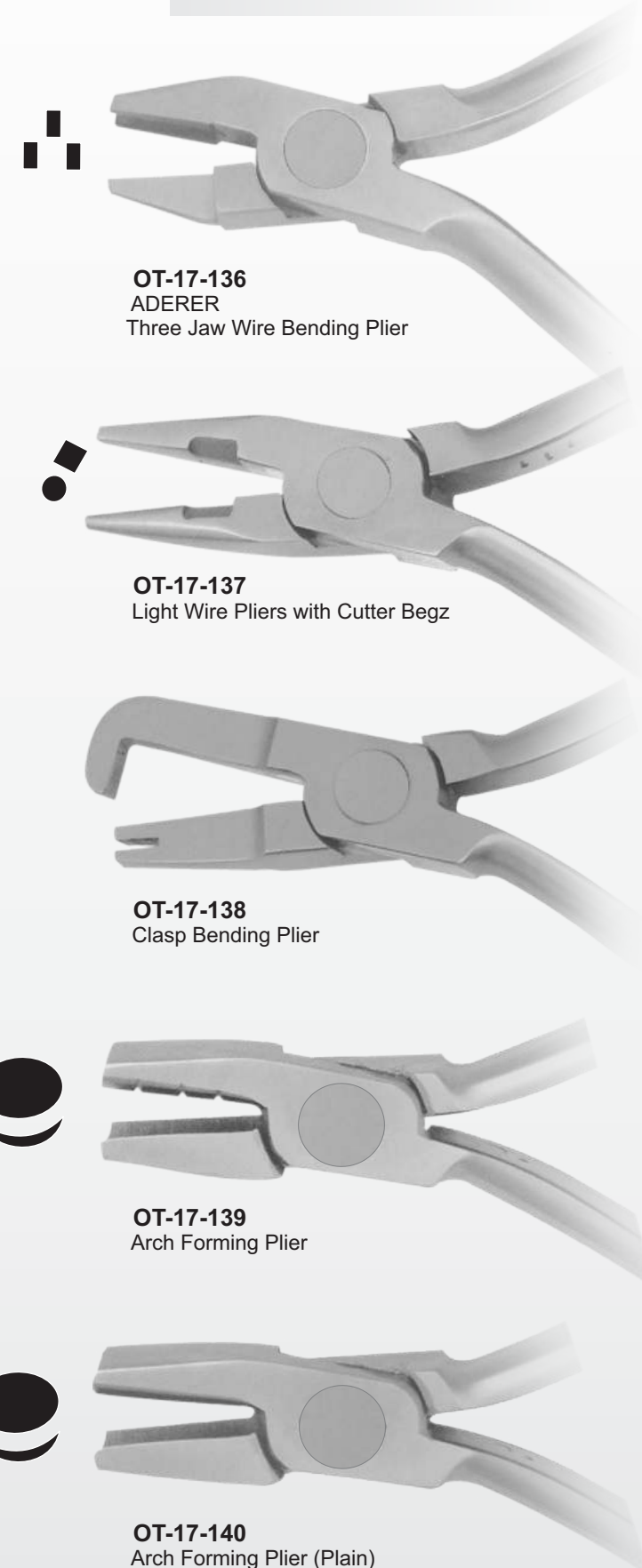
**OT-17-131**  
ADERER  
Three Jaw Wire Bending Plier  
(Thin Large Points)

**OT-17-132**  
ADERER  
Three Jaw Wire Bending Plier  
(Medium Points)

**OT-17-133**  
YOUNG  
Loop Bending Plier

**OT-17-134**  
JOHNSON  
Contouring Plier

**OT-17-135**  
Nance Closing Loop Plier



**OT-17-136**  
ADERER  
Three Jaw Wire Bending Plier

**OT-17-137**  
Light Wire Pliers with Cutter Begz

**OT-17-138**  
Clasp Bending Plier

**OT-17-139**  
Arch Forming Plier

**OT-17-140**  
Arch Forming Plier (Plain)



- All Pliers are made from AISI 410, 420 type Stainless steel materials
- High quality extra hard and highly durable immunity-HS Steel Tips inserts are used for Distal End Cutters, Ligature Cutters and Pliers where needed with special joining/welding technique for inserts-extreme stability is ensured
- High precision joint essembly for a long lasting Tips alignment with specially designed technique for lasting Frictionless smooth functioning. Hex Screw assembling is also mede with precision and diamond honed Tips cutting edges
- Ergonomic rounding of all Sharp edges-improved safety, precise and uncomplicated handling ensured
- All pliers are ultrasonically cleaned, lubricated and then tested with recommended wire sizes
- Ideal for autoclaving as well as dry heat sterilization
- Modern efficient instruments care is recommended for working well over time trouble free.
- All pliers are under warranty for the period of 1 year from the date of your purchase. If in normal use, any of our pliers are found defective in material or manufacturing workmanship under current warranty, it will be repaired or replaced at our discretion. Misuse, negligence or lack of reasonable or proper maintenance and care will nullify this warranty.



INSTRUCTIONS & GUIDANCE

orthodontalusa Corp Piler Sterlization Tips

Your pliers are an investement. You expect them to function properly over the years.You don't want rusted pilers or cutting failures. Many of the problems with your pilers are associated with the sterilization problems. With these easy to follow instructions you get more life out of your pliers as well as full performance you deserve.

- You should never use soap and water to clean your pliers. Distilled water can be used in an ultrasonic cleaner.
- Gluteraldehyde can also damage your pliers. Do not put them in any gluteraldehyde solution.
- Always use surgical milk or distilled water for pre-cleaning.
- Do not brush your pliers as hard brushes might scratch your pliers.
- The pilers should be kept separately especially when the are in an ultrasonic cleaner.
- Avoid excessive sterilization as it might damage the polish on your pliers.
- Cheak the wire size your plier's cutting and bending specifications. Do not use your pliers with heavier wires, as this will damage the inserted tips of your pliers.

**Autoclave:**Clean your pliers first with 1/10 surgical milk / distilled water solution. You can put them in an ultrasonic cleaner. Do not rinse them with soap and water. You can put them directly autoclave without rising or drying.

After this moment you can follow the instruction manual of your autoclave.

**Chemiclave:** Clean your pliers first with 1/10 surgical milk/distilled water solution. Do not rinse them with soap or water. Dry them very carefully with a clean towel. Put the pliers in separate chemiclave bags and then in the chemiclave.

After this moment you can follow the instructions manual of your chemiclave.

Dry Heat Sterilization: Do the same cleaning for autoclave or chemiclave first. You can also distilled water only to clean your pliers. No drying required. Place them in your Dry Heat Sterilization and follow the instruction manual.

Problem:

- 1) Your Pliers tips are rusted.
- 2) You see black spots on your pliers.
- 3) The edges of yor cutters are dull.
- 4) The joint of my pliers is stuff and squeaky.

Reasons:

- 1) Pliers were in touch with water.
- 2) Pliers were in touch with water. The chemicals and minerals in the tap water are the reason for the discoloration.
- 3) You left your pliers too long in the ultrasonic cleaner. Also check the bending and cutting specifications. You might have been using your pliers to cut or bend a heavier wire than it's standards.
- 4) Excessive sterilization caused the polish and the lubricatns disappear. it might be the time to send them back for Quality Repair Service.

Orthodontalusa Corp Orthodontics Instruments

**Orthodontalusa Corp:** Orthodontic instruments carry a lifetime warranty against material defects and craftsmanship. Like all Orthodontic companies, "lifetime" references the life of the product. We guarantee your cutters for One years. This covers breakage, joint failure, and corrosion under normal use. Proper cleaning and maintenance is required. Failure to properly care for instruments, including cleaning and lubrication may void this warranty. Orthodontalusa Corp reserves the right to decide whether an instruments is to be repaired or replaced. Sharpening cutters and repairing minor tip damage is considered routine maintenance with normal use, and is not covered by warranty.

**Cleaning:**Remove cements and other bulk debris immediately after use. Clean instruments ultrasonically, using an enzymatic cleaning solution such as Enzymax. Change your ultrasonic solution daily. Clean and sterilize hinged instruments in the open position, Improper cleaning can lead to discoloration and oxidation. A good cleaning will lengthen the life of your instruments. Only use detergents and disinfectants that are suitable with medical and dental instruments and follow the manufacture's instructions is respect to concentration and time of exposure.

**Lubrication:** Lubricate instruments at least weekly prior to sterilization. Use only lubricants designed for precision hinged instruments such as instruments Lubricant Spray, 8oz. If you are using a dry heat sterilizer, be sure to use a lubricant that is compatible with the operating temperatures of your dry heat until such as high heat instruments lubricant, 8oz. Routinely lubricating instruments will lengthen the life of your instruments.

**Sharpenig:** Sharpen cutters regularly. How often depends on such factors as the frequency of use, types of applictions the cutter is being used in, etc. Rountinely inspects cutter to determine if sharpening is required. Sharp instruments cut more efficiently and regular sharpening will enhancen the life of your cutter.

**Sterilizing:** Sterilize hinged instruments in the open position, use steam autoclave, chemical vapor or dry heat units. The most efficient methods are steam autoclave and chemical vapor. **Orthodontalusa Corp** instruments are actually designed for use with steam autoclave. Steam autoclave will not dull cutters. Do not use cold sterilants, they can chemically attack your stainless steel instruments. Be sure your sterilizing units are clean and operating properly.

**Corrosion:** Your **Orthodontalusa Corp** instruments is very resistant to corrosion. You can prevent corrosion problems by following all manufacturers recommendations. Is it really corrosion? Accumulated debris can turn orange in color and be mistaken for rust, **Orthodontalusa Corp** can help you make this determination. Never Mix your new instruments with a corroded instruments. Oxidation can easily spread to new instruments. It is recommended that a corroded instrument be discarded.

Orthodontic Instruments  
Instrumentos ortodônticos



**OT-17-176**  
Beebee  
(Cur)

**OT-17-179**  
Mosquito Forceps  
(Cur)

**OT-17-180 A**  
Aluminum Height Gauge

**OT-17-178**  
Mosquito Forceps  
(Dir)

**OT-17-177**  
Universal

**OT-17-184T**  
THIN

**OT-17-184K**  
KOCHER

**OT-17-184B**  
HEAVY

Mathieu With TC  
14 cm



**OT-17-182**  
Bend Setter with  
Tin Insert 15 cm

**OT-17-184**  
Mathieu  
(TC & Without TC)  
14 cm

**OT-17-181**  
Mershon Band  
Pusher

**OT-17-183**  
Bend Pusher  
Plastic Handle

**OT-17-184 A**  
Mathieu  
(Without TC 14 cm)

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Estados Unidos  
(+1) 9545131673

E-mail :sales@orthodontalusa.com  
URL: www.orthodontalusa.com



# ORTHODONTICS

