



ENDURING PERFORMANCE

**Beautifully Crafted**

## THE PURSUIT OF EXCELLENCE

At Modern Surgical Corporation, the mission is clear: we dedicate ourselves to outstanding craftsmanship through the pursuit of excellence and attention to fine detail. A century later, Hugo Friedman's unerring commitment to quality and innovation lives on at Modern Surgical Corporation. As a result, Modern Surgical Corporation instruments are indisputably the most skillfully created precision orthodontic instruments in the world.



Every instrument we create becomes, in essence, a critical extension of each practitioner's skill. To achieve this, we handcraft each instrument individually, assuring instruments of the highest quality, durability and performance available to the profession.

**PRODUCTION OF SUPERIOR PRECISION**  
 The process is demanding and complex — as many as 30 different operations may be needed to produce a single Modern Surgical Corporation Orthodontic instrument.

**LASER ENGRAVING**  
 Each instrument is laser engraved with the applicable wire sizes.

**IMMUNITY STEEL**  
 Modern Surgical Corporation uses only the highest-quality forged steel with an optimal blend of chromium and carbon. These elements, combined with exclusive Modern Surgical Corporation processing, assure the creation of an outstanding instrument that will be resistant to corrosion given pro per use and care.

**SATIN FINISH**  
 All Modern Surgical Corporation Orthodontic instruments are finished by hand to a satin luster; this non-glare surface keeps your instrument looking beautiful.

**ORBIT JOINT**  
 Keeps instrument tips aligned, ensuring proper functionality and frustration-free use.

**ERGONOMIC DESIGN**  
 The size, shape, handle length and weight are balanced for optimum comfort and confidence.

# ORTHO INSTRUMENTS

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# SLIM COLLECTION

less means more  
for your practice.

These eight instruments feature a 10% to 50% smaller working end than their original designs. Less instrumentation means more intraoral adaptation, maneuverability and patient comfort, especially for children or patients with smaller mouths.



**SLIM FLUSH CUT & HOLD  
DISTAL END CUTTER**

**678-113**  
 50% reduced working end enhances visibility and improves efficiency by eliminating the need for a cotton roll or piece of gauze to catch the cut portion.

**WIRE SIZE**  
 <= .012" x .021" x .025" / .30mm - .53mm x .64mm  
 U.S. Pat. 7,182,595



**SLIM BAND REMOVING PLIERS**

**678-503**  
 With a 21% thinner and more tapered working end compared to our original 678-207 model, the Slim Band Removing Pliers allow for easy accessibility helping limit patient discomfort.



**SLIM MICRO CUTTER**

**678-500**  
 The slender tip allows for easier access when removing elastics. The face of the cutter has been "scooped out" and reduced by 13% as compared to our original 678-110 to enhance visibility.

**WIRE SIZE**  
 <= .008" x .012"



**SLIM DIRECT BOND  
BRACKET TWEEZERS**

**678-504**  
 The 50% thinner working end as compared to our 678-212 give the practitioner a confident and more visible grasp when bringing the bracket to the patient's mouth. While the thinner back end of the instrument allows for an easy manipulation of the bracket's position, by a simple flip of the instrument, it allows for one versus two instruments to be used in bracket placement and manipulation.



**ULTRA SLIM WEINGART PLIERS**

**678-501**  
 As an extension of your hands, the serrated tips allow for better gripping & accessibility into tight spaces that are typically not possible with hands. These pliers help guide the archwire through buccal tubes and into brackets with ease with a 20% reduced working end as compared to our 678-201 model.

**WIRE SIZE**  
 <= .030"



**SLIM BUCCAL TUBE  
BONDER TWEEZERS**

**678-505**  
 The ultra slim working ends of these tweezers are ideal for proper and effective buccal tube bond placement by allowing the practitioner to hold the buccal tubes reversely when the buccal tubes are to be bonded.



**SLIM HAMMERHEAD NiTi PLIERS**

**678-502**  
 Reduce a multi-step process down to one step with these wire-forming pliers. Simply squeeze and you are done; no heat required. With a 10% thinner working end than our 678-327 model, these less intrusive pliers are designed for ultimate patient comfort. For NiTi wire only.

**NiTi WIRE SIZE**  
 <= .025"



**DISTAL CINCH BACK  
HAND INSTRUMENT**

**678-506**  
 Designed to bend up to .021" x .025" stainless steel archwire, the slender working ends help improve access and enhance visibility in the posterior region. Use this instrument to cinch back posterior stainless steel wire distal to the buccal tube.

**WIRE SIZE**  
 <= .021" x .025"

## Cutters

Schneider  
Fraises  
Taglierine  
Reztsy



# CUTTERS

### defined by precision.

With our diamond-honed cutting edges and orbit-formed joint, you will experience sharp and accurately-aligned cutting edges for every procedure, every time.

For each individual area of focus, we provide a specifically engineered cutter. To meet these stringent standards, all of our blades are hand-finished to maximize cutting performance for the appropriate wire size.



#### UNIVERSAL CUT & HOLD DISTAL END CUTTER

##### 678-101

When used intraorally it safely holds the cut portion to be discarded. Patient comfort is enhanced by the smooth, tapered tip.

**WIRE SIZE**  
<= .012" to .021" x .025" /  
.30mm - .53mm x .64 mm



#### UNIVERSAL CUT & HOLD DISTAL END CUTTER WITH LONG HANDLE

##### 678-101L

Same as 678-101, with long handle.

**WIRE SIZE**  
<= .012" to .021" x .025" /  
.30mm - .53mm x .64 mm



#### FLUSH CUT DISTAL END CUTTER, NO HOLD

##### 678-102

An exceptional universal cutter for all types of wires.

**WIRE SIZE**  
<= .021" x .025" / .53mm x .64mm

## Cutters

Schneider  
Fraises  
Taglierine  
Reztsy

## Orthodontics

Kieferorthopädie  
Orthodontie  
Ortodonzia  
Ortodontiya



#### HARD WIRE CUTTER, 15°

##### 678-103

15° offset tip enhances access in difficult areas. Designed to cut hard wires.

**WIRE SIZE**  
<= .022" x .028" / .56mm x .71mm



#### HARD WIRE CUTTER

##### 678-104

Designed to cut hard wires.

**WIRE SIZE**  
<= .022" x .028" / .56mm x .71mm



#### MULTI-USE CUTTER

##### 678-105

Designed to cut soft wire pins and ligature wires.

**WIRE SIZE**  
<= .015" / .38mm



#### MINI PIN & LIGATURE CUTTER

##### 678-106

Slim profile is a plus in difficult to access areas. Designed to cut soft wire pins and ligature wires.

**WIRE SIZE**  
<= .012" / .30mm



#### MICRO-MINI PIN & LIGATURE CUTTER

##### 678-107

Ultra slim profile is a plus in the most difficult to access areas. Designed to cut soft wire pins and ligature wires.

**WIRE SIZE**  
<= .012" / .30mm



#### MICRO-MINI PIN & LIGATURE CUTTER WITH LONG HANDLE

##### 678-107L

Same as 678-107, with long handle.

**WIRE SIZE**  
<= .012" / .30mm



#### MICRO-MINI PIN & LIGATURE CUTTER, 15°

##### 678-109

15° offset tip with ultra slim profile is a plus in the most difficult to access areas. Designed to cut soft wire pins and ligature wires.

**WIRE SIZE**  
<= .012" / .30mm



#### MICRO CUTTER

##### 678-110

Ligature cutter with reduced tip dimension. Designed to cut soft wire pins and ligature wires.

**WIRE SIZE**  
<= .012" / .30mm



#### FLUSH CUT & HOLD DISTAL END CUTTER

##### 678-111

Cuts and holds wire distally flush to the buccal tube while reducing debondings. Designed for all types of wires.

**WIRE SIZE**  
<= .020" / .51mm  
U.S. Pat. 7,182,595



#### SLIM FLUSH CUT & HOLD DISTAL END CUTTER

##### 678-113

Cuts and holds wire distally flush to the buccal tube while reducing debondings. Designed for all types of wires.

**WIRE SIZE**  
<= .012" to .021" x .025" /  
.30mm - .53mm x .64 mm  
U.S. Pat. 7,182,595



# UTILITY PLIERS

putting power and precision directly in your hands.

Strong, yet lightweight and perfectly balanced, the dimensions of these instruments are perfectly proportioned, they fit your grasp with unsurpassed ease. Designed to provide superior control with effortless versatility, Modern Surgical Corporation's Utility Pliers assure comfort to both you and your patients.



**WEINGART PLIERS**  
**678-201**  
 Versatile utility pliers with serrations. Tapered 32° angular design is convenient for placement and removal of archwires.



**SLIM WEINGART PLIERS**  
**678-202**  
 Slim, tapered 20° tips with serrations offer greater access and versatility.



**WEINGART PLIERS WITH LONG HANDLE**  
**678-201L**  
 Same as 678-201, with long handle.



**HOW PLIERS**  
**678-203**  
 How utility pliers have serrated tips. Useful for placement and removal of archwires, pins and other auxiliaries.



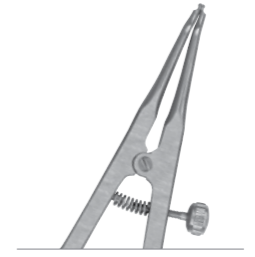
**HOW PLIERS, OFFSET**  
**678-204**  
 Similar to the straight How pliers, except tips are angled at 40° for accessing lingual and other hard to reach areas.



**POSTERIOR BAND REMOVING PLIERS, SHORT**  
**678-208**  
 The offset alignment of the tip and occlusal pad is well suited for band removal.



**BAND SEATING PLIERS**  
**678-205**  
 Serrated tips grip brackets to assist in placing bands.



**FORCE MODULE SEPARATING PLIERS**  
**678-210**  
 Used for placement of elastic separators.



**ADHESIVE REMOVING PLIERS**  
**678-206**  
 Reversible, replaceable blade is used to remove the bulk of composite material after debonding attachments.



**COON STYLE LIGATURE TYING PLIERS**  
**678-211**  
 Most popular pliers for tying stainless ligature wires.  
**WIRE SIZE**  
 <= .015" / .38mm

### Utility Pliers

Allzweckzange  
Pinces utilitaires  
Pinze utili  
Universal'nyye ploskogubtsy



### Wire Forming Pliers

Drahtformzange  
Pinces à former les fils  
Pinza per formare fili  
Shchipty dlya formovki provoloki

### Orthodontics

Kieferorthopädie  
Orthodontie  
Ortodonzia  
Ortodontiya



**POSTERIOR BAND REMOVING PLIERS, LONG**  
**678-207**  
The alignment of the tip and occlusal pad is well suited for posterior band removal.



**TIP BACK PLIERS**  
**678-216**  
Designed to bend down the distal extension of an archwire protruding past the buccal tube. A unique contra-angle design allows for easy access and bending wire intraorally. Available in long handle for easy reach to the posterior buccal tube.

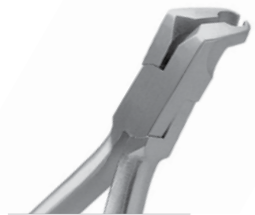
**WIRE SIZE**  
<= .022" x .025" / .53mm x .64mm



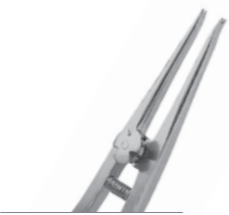
**BRACKET REMOVING PLIERS**  
**678-219**  
Works well for steel, ceramic and plastic brackets of all types.



**SLIM CROWN & BAND CONTOURING PLIERS**  
**678-221MC**  
Same as 678-221, with slimmer beak.



**ANGULATED BRACKET REMOVING PLIERS**  
**678-220L**  
High angle design in long handle is effective for removal of all bracket styles from anterior and posterior teeth.



**STEINER TYING PLIERS**  
**678-222**  
Ideal for tying stainless steel ligature wire.

**WIRE SIZE**  
<= .015" / .38mm



**CROWN & BAND CONTOURING PLIERS**  
**678-221**  
Designed for fitting of stainless steel crowns.



**BAND CRIMPING PLIERS**  
**678-225**  
Thin tips allow for easy access into molar and bicuspid bands.



**SLIM CROWN & BAND CONTOURING PLIERS**  
**678-221M**  
Same as 678-221, with slimmer beak.



**BAND CRIMPING PLIERS WITH SPRING**  
**678-225M**  
Thin tips allow for easy access into molar and bicuspid bands.

# WIRE FORMING PLIERS

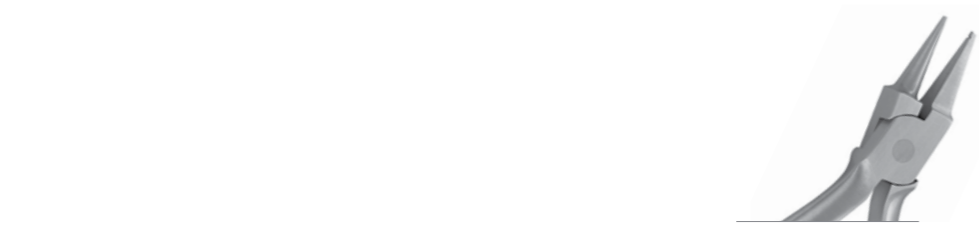
wire forming is more than a skill, it is an art.

These instruments perform as natural extensions of your professional artistry. Our impeccably smooth finished tips allow you to bend the wire without risk of damage. Whether you are shaping stainless steel or nickel titanium, Modern Surgical Corporation has a hand-finished, precision instrument to help bring your brilliant workmanship to life.



## Wire Forming Pliers

Drahtformzange  
Pincés à former les fils  
Pinza per formare fili  
Shchiptsy dlya formovki provoloki



### LIGHT WIRE BIRD BEAK WITH GROOVE

**678-305**

A longer cone than a standard bird beak is useful for forming precise loops in light wire. The groove allows for locating and duplicating loops.

**WIRE SIZE**  
<= .020" / .51mm



### JARABAK PLIERS

**678-301**  
Versatile light wire bending pliers. Grooves assist with precise bending and closing of loops. Serrated surface grips wires.

**WIRE SIZE**  
<= .020" / .51mm



### THREE JAW PLIERS

**678-302**  
Useful for contouring and bending wire.

**WIRE SIZE**  
<= .030" / .76mm



### OMEGA LOOP FORMING PLIERS

**678-303**  
Graduated cone is designed to form precise omega loops: .045", .060" and .075".

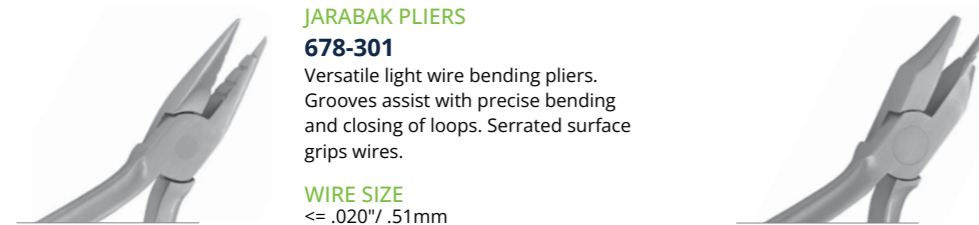
**WIRE SIZE**  
<= .022" x .025" / .53mm x .64mm



### BIRD BEAK PLIERS

**678-304**  
Versatile loop forming pliers for round wires.

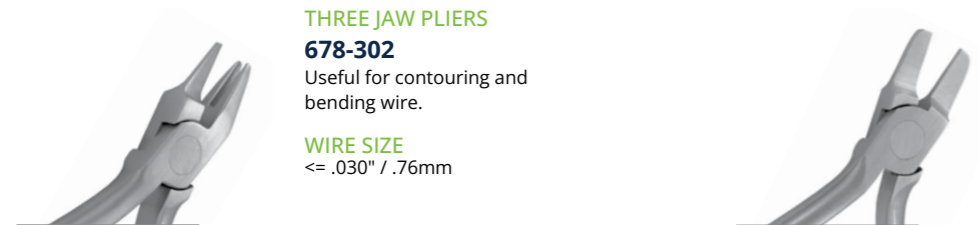
**WIRE SIZE**  
<= .030" / .76mm



### TWEED LOOP FORMING PLIERS

**678-306**  
Loop forming pliers with .045", .060" and .075" diameters for creating bull and helical loops in wires.

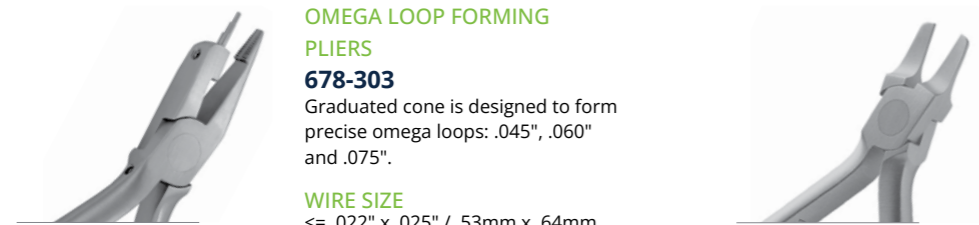
**WIRE SIZE**  
<= .022" x .025" / .53mm x .64mm



### ARCH BENDING PLIERS

**678-307**  
Designed for placing first, second and third order bends, .050" blade width.

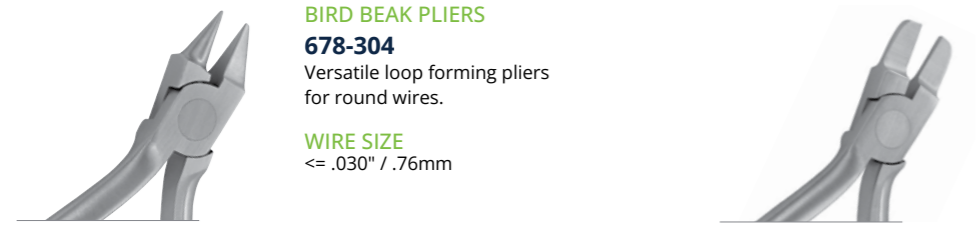
**WIRE SIZE**  
<= .022" x .025" / .53mm x .64mm



### TWEED PLIERS, SLIM

**678-307S**  
Designed for placing first, second and third order bends, .025" blade width.

**WIRE SIZE**  
<= .022" x .025" / .53mm x .64mm



### RECTANGULAR ARCH BENDING PLIERS

**678-308**  
Designed for placing first, second and third order bends, .070" blade width.

**WIRE SIZE**  
<= .022" x .025" / .53mm x .64mm

## Wire Forming Pliers

Drahtformzange  
Pincés à former les fils  
Pinza per formare fili  
Shchiptsy dlya formovki provoloki

## Orthodontics

Kieferorthopädie  
Orthodontie  
Ortodonzia  
Ortodontiya



### GENERAL CONTOURING PLIERS

**678-315**

Tapered, serrated pliers for ease of contouring archwires.

**WIRE SIZE**  
<= .021" x .025" / .53mm x .64mm



### LINGUAL ARCH FORMING PLIERS

**678-309**

Designed to create double back and triple back bends in .030" and .036" lingual arch wires.

**WIRE SIZE**  
<= .036" / .91mm



### MARCOTTE LOOPING PLIERS

**678-316**

For precise forming of helical loops and T loops. No right angles. Prevents stress fracture of wires.

**WIRE SIZE**  
<= .022" x .025" / .53mm x .64mm



### HOLLOW CHOP CONTOURING PLIERS

**678-310**

Perfect for subtle contouring of arch wires.

**WIRE SIZE**  
<= .030" / .76mm



### HOLLOW CHOP PLIERS

**678-317**

Same as 678-310, with reduced radius.

**WIRE SIZE**  
<= .030" / .76mm



### O'BRIEN PLIERS

**678-311**

For precise forming of small helical loops and intraoral tip back bends.

**WIRE SIZE**  
<= .020" / .51mm



### LIGHT WIRE BIRD BEAK

**678-318**

A longer cone than a standard bird beak is useful for forming precise loops in light wire.

**WIRE SIZE**  
<= .020" / .51mm



### MINI THREE JAW PLIERS

**678-312**

Tips are rounded for ease of contouring light wire.

**WIRE SIZE**  
<= .030" / .76mm



### NANCE LOOP FORMING PLIERS

**678-319**

For precise forming of loops in four lengths: 3, 4, 5 and 6 mm. Groove at base aids in closing loops.

**WIRE SIZE**  
<= .022" / .53mm

### Wire Forming Pliers

Drahtformzange  
Pinces à former les fils  
Pinza per formare fili  
Shchiptyy dlya formovki provoloki



### Hand Instruments

Handinstrumente  
Instruments à main  
Strumenti manuali  
Ruchnyye instrumenty

### Orthodontics

Kieferorthopädie  
Orthodontie  
Ortodonzia  
Ortodontiya



**ADAMS PLIERS**  
**678-320**  
Excellent precise right angle bends and appliance application.  
**WIRE SIZE**  
<= .040" / 1.01mm



**OLD STYLE LOOP PLIERS**  
**678-324**  
Provides optimum accuracy and precision in forming and closing loops with one cylindrical three-step beak and one triangular beak.  
**WIRE SIZE**  
<= .022" x .025" / .53mm x .64mm



**V-STOP PLIERS**  
**678-321**  
Places V bend in archwires, including nickel titanium, to prevent archwire from traveling.  
**WIRE SIZE**  
<= .022" x .025" / .53mm x .64mm



**BIRD BEAK WITH CUTTER**  
**678-325**  
Smooth bending surfaces for a range of loop sizes while providing a sharp blade for cutting.  
**WIRE SIZE**  
<= .022" x .025" / .53mm x .64mm



**NiTi THREE JAW PLIERS**  
**678-322**  
Designed for forming and contouring of all archwire, especially for NiTi.  
**WIRE SIZE**  
<= .020" / .51mm



**LONG TAPERED BIRD BEAK PLIERS**  
**678-326**  
Bends a variety of smooth loops.  
**WIRE SIZE**  
<= .022" x .025" / .53mm x .64mm



**OPTICAL PLIERS**  
**678-323**  
Excellent for forming helical closing loops and arch adjustments.  
**WIRE SIZE**  
<= .022" x .025" / .53mm x .64mm

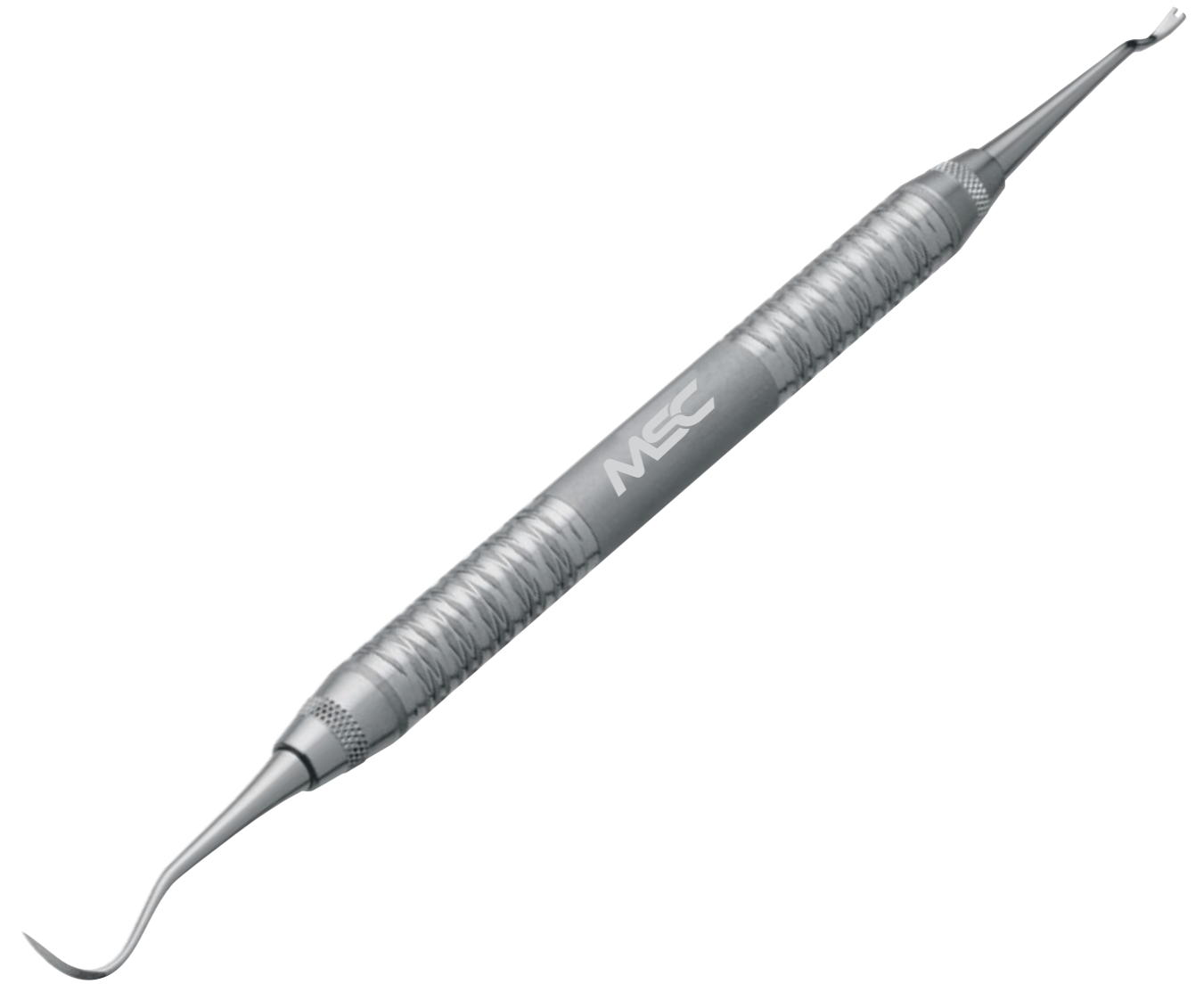


**HAMMERHEAD NiTi TIE-BACK PLIERS**  
**678-327**  
Multi-use NiTi bender, no heat.  
**WIRE SIZE**  
<= .025" / .63mm

# HAND INSTRUMENTS

icons for the industry.

All of our Orthodontic hand instruments are available in a variety of ergonomic handle sizes to accommodate your personal preference. Finely tuned to achieve accurate weight, balance and tip alignment, Modern Surgical Corporation produces only the highest caliber tips and handles, in the manner of precision and excellence you demand.





**Hand Instruments**

Handinstrumente  
Instruments à main  
Strumenti manuali  
Ruchnyye instrumenty



**Hand Instruments**

Handinstrumente  
Instruments à main  
Strumenti manuali  
Ruchnyye instrumenty

**Orthodontics**

Kieferorthopädie  
Orthodontie  
Ortodonzia  
Ortodontiya



AOT BRACKET LIGATOR  
**678-903**



SMALL PLUGGER/  
PICKER  
**678-907**



DULL SCALER  
**678-911**



DIRECT BOND BRACKET  
HOLDER  
**678-212**



SCALER/BAND PUSHER  
**678-904**



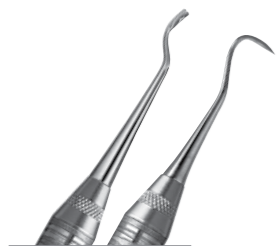
LIGATURE DIRECTOR/  
BAND PUSHER  
**678-908**



LIGATURE DIRECTOR/  
BAND PUSHER  
**678-912**



SLIM DIRECT BOND  
BRACKET HOLDER  
**678-212M**



LIGATURE DIRECTOR/  
SCALER  
**678-905**



LARGE PLUGGER/  
PICKER  
**678-909**



DULL SCALER  
**678-913**



BAND PUSHER  
**BP300**  
Aids in placement and  
burnishing of band.



DULL SCALER/BAND  
PUSHER  
**678-906**



DULL SCALER  
**678-910**



SCALER/PICKER  
**678-914**



BAND PUSHER WITH  
SHORT TIP  
**BP300S**  
Same as BP300 except the  
working end is shorter.



PICKER/LIGATURE  
DIRECTOR  
**678-916**



BAND PUSHER/SCALER  
**BPS1**  
Versatile instrument for band  
placement and cleanup  
of band cement.



**BAND PUSHER/SCALER  
 BPS2**  
 Same as BPS1 except the working end of the band pusher is shorter.



**LIGATURE DIRECTOR/  
 TUCKER  
 LDT**



**FILLION EXPLORER/  
 LIGATURE DIRECTOR  
 FE/LD**  
 Ideal for placing and removing elastic ligatures with lingual brackets.



**PLUGGER/LIGATURE  
 PICKER  
 PLPK**



**LIGATURE DIRECTOR  
 LD1**



**LINGUAL TORQUING KEY  
 TK018**  
 Designed for proper wire placement and improved torque expression in an .018" slot lingual system.



**LIGATURE DIRECTOR  
 LDG2**



**STRAIGHT .020"  
 APPLICATOR  
 TK020S**



**LIGATURE DIRECTOR/  
 PLUGGER  
 LDP**



**SINGLE END  
 LIGATURE DIRECTOR  
 WBI-M/R**

# MATHIEUS, SCISSORS & HEMOSTATS

forged from Immunity Steel.

Created with the same meticulous attention to detail as our pliers, Modern Surgical Corporation hinged instruments are also forged from Immunity Steel, making them resistant to rust and corrosion.



### Mathieu, Scissors & Hemostats

Mathieu, Scheren und Hämostatika  
Mathieu, Ciseaux & Hémostats  
Mathieu, Forbici ed emostatiche  
Mat'yes, nozhnitsy i krovoostanavlivayushchiye zazhimy



### Ortho Accessories

Ortho-Zubehör  
Accessoires orthopédiques  
Accessori orto  
Orto aksessuary

### Orthodontics

Kieferorthopädie  
Orthodontie  
Ortodonzia  
Ortodontiya



CROWN & GOLD  
SCISSORS CURVED  
SCGC



CROWN & GOLD  
SCISSORS STRAIGHT  
SCGS



CROWN & GOLD  
SCISSORS PEDO  
SCGCP



HALSTED-MOSQUITO  
HEMOSTAT  
H4



WIRE-CUTTING SCISSORS  
WCS  
Serrated blade; notch for soft wire-cutting.



ORTHO MATHIEU,  
NARROW TIP PLIERS  
678-330  
Slimmer tip makes this ideal for gripping and placing elastic auxiliaries.



ORTHO MATHIEU,  
WIDE TIP PLIERS  
678-331  
With wider, stronger tips.



ORTHO MATHIEU,  
PERMA SHARP  
678-332  
Thin tips made with Carbide inserts.

# ORTHO ACCESSORIES



### REPLACEMENT PARTS

Replacement blade for 678-206  
Quantity: 1  
**678-001**

Replacement blade for 678-303  
Quantity: 1  
**678-002**

Silicone Insert for 678-111  
Quantity: 3  
**678-011**

Silicone Insert for 678-113  
Quantity: 3  
**678-013**

1/4" Replacement pads for 678-207, 678-208  
Quantity: 6  
**678-014**

1/4" Replacement pad for 678-206  
Quantity: 6  
**678-014A**

1/8" Replacement set screw for 678-303  
Quantity: 1  
**678-018**

3/16" Replacement pad for 678-207, 678-208  
Quantity: 6  
**678-036**



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