

MEM Dental Technology Co., Ltd.

ORTHODONTICS

Product Catalog

About us

MEM is a trusted technology manufacturer specializing in medical and orthodontic products, proudly located in the Southern Tainan Science Park, Taiwan. Since the launch of our advanced facilities in 2008, we have been committed to developing and producing premium quality products at competitive prices for the global orthodontic market.

Our Advantages

At MEM, we uphold the highest quality standards through our expertise in advanced manufacturing technologies, including Metal Injection Molding (MIM), Ceramic Injection Molding (CIM), Plastic Injection Molding (PIM), Ceramic Direct Printing and Aligner Automation. This unique combination allows us to produce even the most design- complex medical devices.

Our in-house capabilities-from raw material formulation and injection molding to full-scale production-enable complete process control and product consistency. Backed by a dedicated R&D team that integrates creativity, technical expertise, and clinical insight, we deliver innovative and practical solutions for the medical and dental industries.

Our Mission

To deliver high-quality, innovative medical and orthodontic products, backed by exceptional customer support and a commitment to improving patient care worldwide.

CEO

Micheal Wei



align as alliance 



TECHNOLOGY



Advanced Automation System



MIM Technology (Metal Injection Molding)

We specialize in producing high-precision metal components using Metal Injection Molding (MIM) technology. We work with a variety of advanced materials, including stainless steel, titanium, and cobalt-chromium-molybdenum (CoCrMo) alloys, to serve the diverse needs of the medical, dental, and other precision-demanding industries.



CIM Technology (Ceramic Injection Molding)

Our expertise in Ceramic Injection Molding (CIM) enables the production of high-strength, biocompatible ceramic parts using advanced materials such as aluminum oxide and zirconium. These ceramics offer exceptional durability and aesthetics, making them ideal for medical and dental applications.



PIM Technology (Plastic Injection Molding)

We also offer advanced Plastic Injection Molding (PIM) capabilities, utilizing materials like thermoplastic polyurethane (TPU), polycarbonate (PC), and polyamide (PA). Our precision molding process supports the production of complex plastic components that meet strict performance and safety requirements.



Designing & Manufacturing

MEM Dental Company is your one-stop partner for the medical device industry.

We provide fully integrated solutions in-house, covering every stage of the process:

- Micro and macro molding design and manufacturing
- Raw material formulation
- Product design and rapid prototyping
- Trial manufacturing and quality assurance testing
- Scalable production from pilot runs to full mass manufacturing

With all capabilities under one roof, we ensure efficiency, consistency, and uncompromising quality from concept to completion.





Smart Molding. Maximum Savings.

At MEM Dental Company, we combine years of Micro MIM mold experience with cutting-edge design. Our interchangeable inserts eliminate unnecessary mold costs, giving you precision, efficiency, and value—all in one solution.

From Start to Finish, We've Got You Covered

Beyond mold design and production, MEM Dental Company offers a full range of secondary services—surface treatment, welding, assembly, and packaging—ensuring your products are finished, functional, and market-ready.

Global Standards. Proven Quality.

MEM is certified to international medical device standards, guaranteeing excellence at every stage. From design to production, our scientific know-how, technical strength, and certified processes deliver medical devices you can trust.

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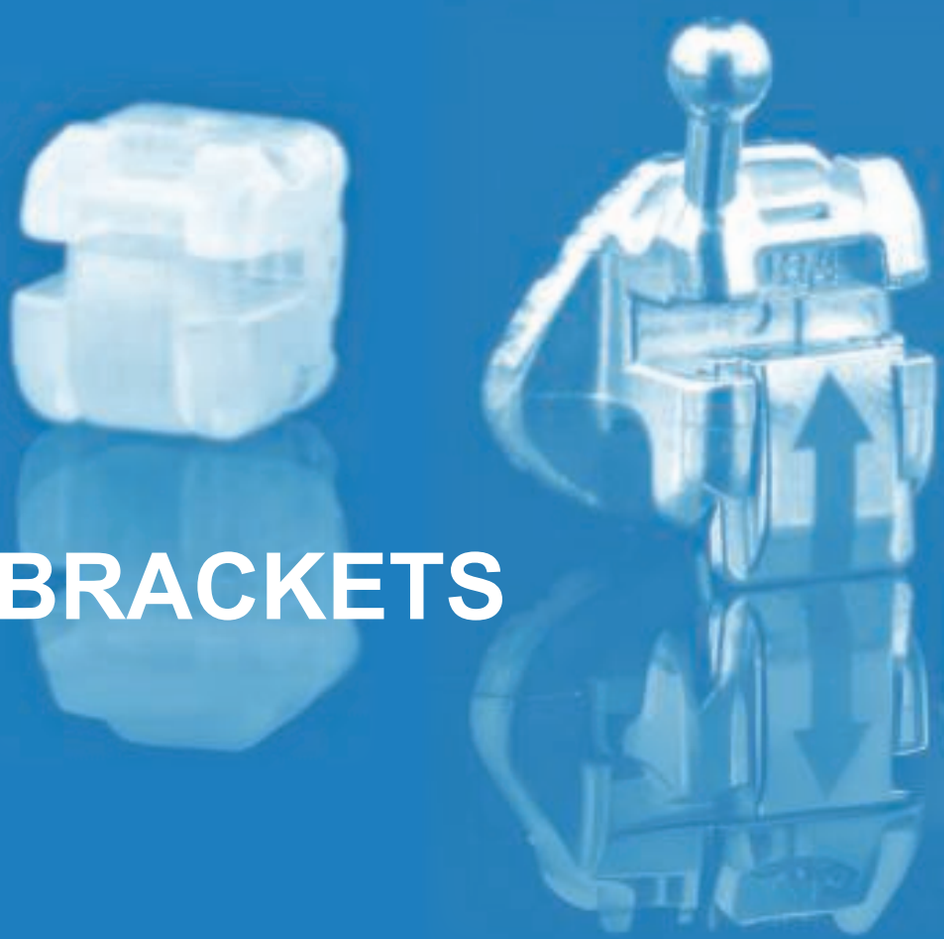
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BRACKETS



GENIUS™ SYSTEM™

Self-Ligating Passive System



GENIUS™ METAL



GENIUS 2™ METAL



GENIUS™ CRYSTAL

Genius Metal

Genius 2 Metal



- Slim Base
- Permenant Bracket Position ID Mark
- Better Rotation Control
- New Patented Locking Mechanism
- Shorter Hook
- Non Gingival Offset for Bicuspids

WHAT'S NEW?

Genius 2 Metal



Archwire Sequencing Genius Form

ALIGN Phase 1

- .014 ThermalUltra 8-16 weeks
- .018 ThermalUltra 8-16 weeks

LEVELING Phase 2

- .014x.025 ThermalUltra upper and .018x.018 ThermalUltra lower for 10-15 weeks. For the lower arch, an extra .014x.025 ThermalUltra may be necessary.
- .018x.025 ThermalUltra upper and lower and quality control at 6 weeks to rebond or go to next sequence. Maximum 6-8 weeks.

TORQUE Phase 3
ESTABLISHMENT PHASE

- If extra torque is necessary on anterior teeth, .019x.025 GENIUS Pre-Torqued with an extra 20° torque on anterior for 5-12 weeks.

WORKING PHASE Phase 4

- .019x.025 Beta Titanium with individualized arch form, (according to arch form given by the .018x.025 ThermalUltra). For targeted torque and alignement corrections. Ultimate finishing wire in class I cases without the need for A-P interarch elastics.
- .019x.025 Stainless Steel posted or non-posted, for A-P occlusal correction with interarch elastics. 5-8 weeks.

SPACE CLOSURE Phase 5

If necessary because of extractions

- .019x.025 Stainless Steel posted for low friction space closure with elastics modules or niti coil springs. 10-20 weeks.

DETAILING Phase 6
FINISHING PHASE

If necessary

- .019x.025 Beta Titanium with individualized arch form, (according to arch form given by the .018x.025 ThermalUltra or the .019x.025 Stainless Steel). Ultimate finishing wire for targeted torque and alignement corrections, with interarch intercuspidation elastics for ideal occlusion. 4-8 weeks.

GENIUS2METAL™

Self-Ligating Passive System



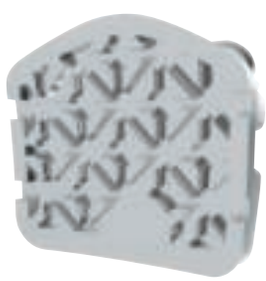


Genius™ Driver



Superior Bonding Base

- Compound Contoured Base provides excellent fit on tooth.
- Maze Base Design provides reliable bonding strength.
- Slimmer Base improves aesthetic.



Single Piece MIM Construction

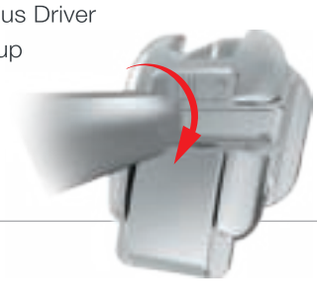
- Eliminates possible misalignment of bracket body and pad caused by manufacturing assembly tolerances.
- The effective prescription is conserved.



Patented Robust-Patient Friendly PSL Mechanism

Reciprocal Force Opening

- Easy to operate with Genius Driver
- Overcome calculus build up
- Optimal patient comfort



Ample Under Tiewing

- Easy engagement of chain or other auxiliaries







Reduce Slot Friction

- Archwire slot corners are designed with rounded edges.

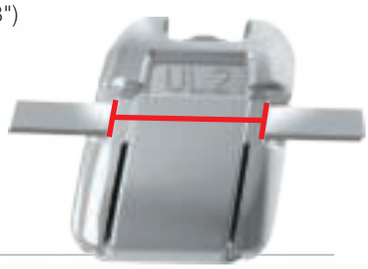
Patient Comfort

- Rounded edges and smooth polishing
- Low profile



Clinical Efficiency & Outstanding Result

- Precise Slot Dimension .0215"x.0265"(+/- 0.0008") to eliminate unwanted slot play.
- Maintain same wire coverage rate for better rotation control.



Medical Grade Material

- Cobalt Chromium Alloy used for implant
- High crorrosion resistance



Easy Identification

- Printed Visual Cues for bracket placement aids
- Permanenet Bracket Position Mark



Integrated Hooks on 3,4&5

- Shorter than Genius I
- No additional cost for hook



GENIUS2METAL™
Self-Ligating Passive System





GENIUS™ 2 TUBES

1st Molar: Self Ligating Bondable Tubes

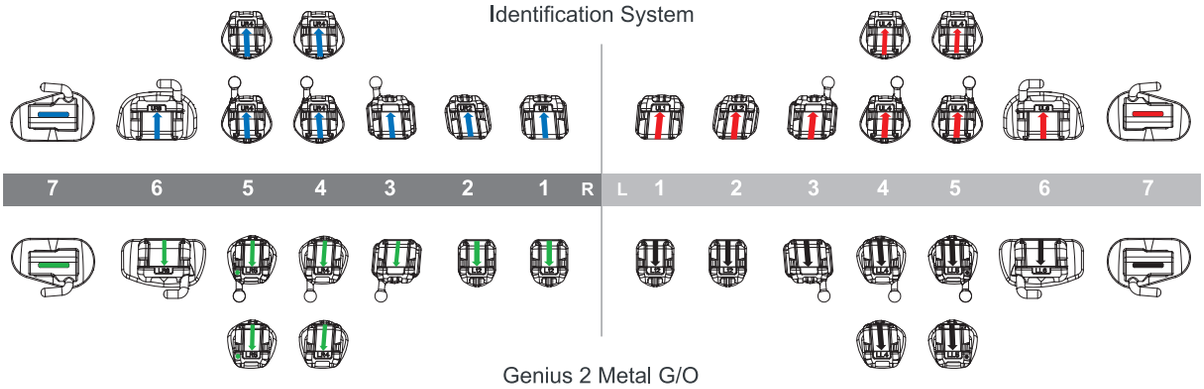




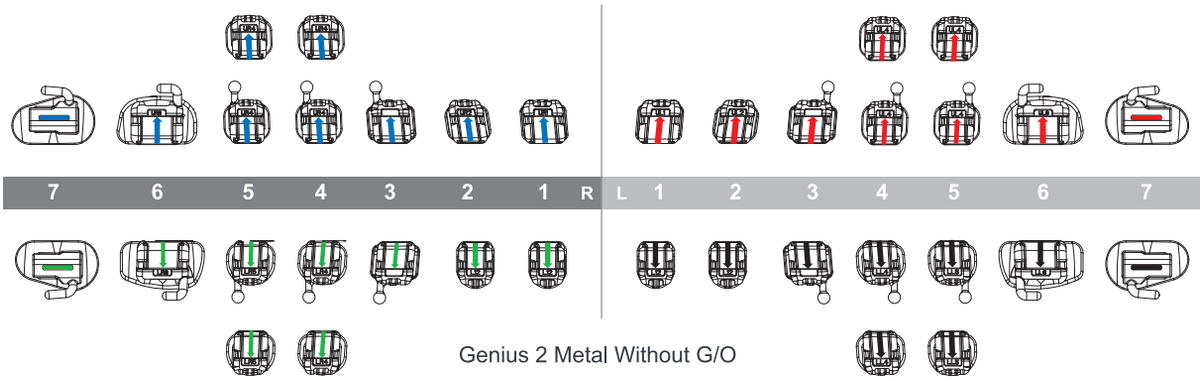
▲Maxillary Arch	Torq.	Ang.	Rot	Width	R/L	In out
1st Molar with hook	-17°	0°	+6°	4.3mm	R	0.9mm
1st Molar with hook	-17°	0°	+6°	4.3mm	L	0.9mm

▼Mandibular Arch	Torq.	Ang.	Rot	Width	R/L	In out
1st Molar with hook	-20°	+2°	+2°	4.3mm	R	0.9mm
1st Molar with hook	-20°	+2°	+2°	4.3mm	L	0.9mm

Identification System



Genius 2 Metal G/O



Genius 2 Metal Without G/O



Ni
NICKEL FREE

GENIUS™ 2 METAL

Material: Cobalt Chromium Alloy(F75 Nickel Free)

Prescription: Genius2 .022"

▲Maxillary Arch	Torq.	Ang.	Rot	Width	R/L	In out
Central	+14°	+5°		3.3mm	R/L	0.69mm
Lateral	+6°	+9°		2.8mm	R/L	0.89mm
Cuspid with hook	+6°	+5°		3.1mm	R/L	0.69mm
Bicuspid G/O	-7°	+2°		2.8mm	R/L	0.69mm
Bicuspid without G/O	-7°	+2°		2.8mm	R/L	0.69mm
Bicuspid with hook G/O	-7°	+2°		2.8mm	R/L	0.69mm
Bicuspid with hook without G/O	-7°	+2°		2.8mm	R/L	0.69mm
1st Molar with hook	-17°	0°	+6°	4.3mm	R/L	0.90mm
2nd Molar with hook	-18°	0°	+3°	3.2mm	R/L	0.90mm

▼Mandibular Arch	Torq.	Ang.	Rot	Width	R/L	In out
Lower Anterior	-6°	0°		2.8mm	R/L	1.00mm
Cuspid with hook	+6°	+5°		3.1mm	R/L	0.69mm
1st Bicuspid G/O	-11°	+4°		2.8mm	R/L	0.69mm
1st Bicuspid without G/O	-11°	+4°		2.8mm	R/L	0.69mm
1st Bicuspid with hook G/O	-11°	+4°		2.8mm	R/L	0.69mm
1st Bicuspid with hook without G/O	-11°	+4°		2.8mm	R/L	0.69mm
2nd Bicuspid G/O	-16°	+2°		2.8mm	R/L	0.69mm
2nd Bicuspid without G/O	-16°	+2°		2.8mm	R/L	0.69mm
2nd Bicuspid with hook G/O	-16°	+2°		2.8mm	R/L	0.69mm
2nd Bicuspid with hook without G/O	-16°	+2°		2.8mm	R/L	0.69mm
1st Molar with hook	-20°	+2°	+2°	4.3mm	R/L	0.90mm
2st Molar with hook	-23°	0°	0°	3.2mm	R/L	0.90mm

GENIUS™ METAL

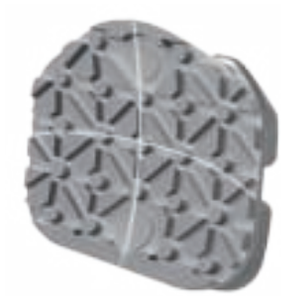
Self-Ligating Passive System





Base Design

- Reliable Bonding base design
- Well contour for easier placement
- Bicuspids with gingival offset base



Single Piece MIM Construction

- Precise prescription
- Prevent body and base separation



Genius™ Driver



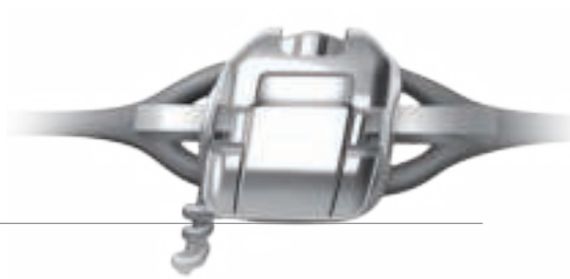
Opening/Closing Mechanism

- Open with Genius Driver for greater comfort
- Close with light finger pressure
- Audible click ensures closing



Tie Wing

- Ample under- tiewing area for easy engagement







Patients Comfort

- Smooth rounded edges



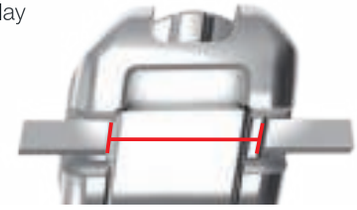
Bracket Profile

- Lowest in/out, improve patients comfort



Full Rotation Control

- Wire coverage increase
- Slot precision
- Prevent unwanted slot play



Reduce Friction

- Archwire slot with rounded corners



Center Scribe Line

- Assist to orient the bracket in the right place



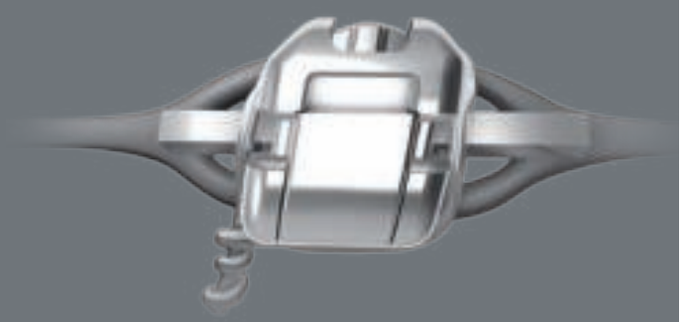
Hooks

- Fully-intergrated hooks for 3,4,5



GENIUS™ METAL

Self-Ligating Passive System





GENIUS™ TUBES

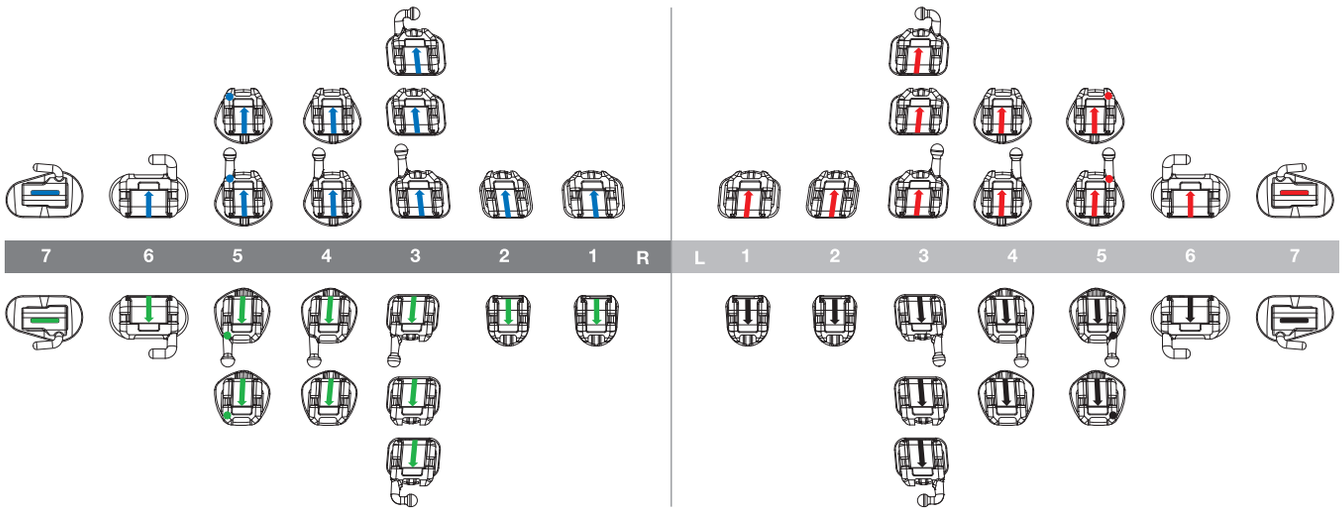
1st Molar: Self Ligating Bondable Tubes

▲Maxillary Arch	Torq.	Ang.	Rot.	Width	R/L	In out
1st Molar with hook	-17°	0°	+6°	4.3mm	R	0.9mm
1st Molar with hook	-17°	0°	+6°	4.3mm	L	0.9mm

▼Mandibular Arch	Torq.	Ang.	Rot.	Width	R/L	In out
1st Molar with hook	-20°	+2°	+2°	4.3mm	R	0.9mm
1st Molar with hook	-20°	+2°	+2°	4.3mm	L	0.9mm



Identification System







GENIUS™ METAL

Material: Cobalt Chromium Alloy(F75 Nickel Free)

Prescription: Genius .022"

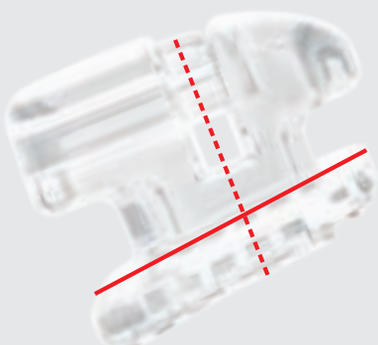
▲Maxillary Arch	Torq.	Ang.	Rot.	Width	R/L	In out
Central	+14°	+5°		3.3mm	R/L	0.6mm
Lateral	+6°	+9°		2.8mm	R/L	0.9mm
Cuspid with hook	+3°	+5°		3.1mm	R/L	0.6mm
Bicuspid G/O	-7°	+2°		2.8mm	R/L	0.6mm
Bicuspid with hook G/O	-7°	+2°		2.8mm	R/L	0.6mm
1st Molar with hook	-17°	0°	+6°	4.3mm	R/L	0.9mm
2nd Molar with hook	-18°	0°	+3°	3.2mm	R/L	0.9mm

▼Mandibular Arch	Torq.	Ang.	Rot.	Width	R/L	In out
Lower Anterior	-6°	0°		2.8mm	R/L	0.9mm
Cuspid with hook	+3°	+5°		3.1mm	R/L	0.6mm
1st Bicuspid G/O	-11°	+4°		2.8mm	R/L	0.6mm
1st Bicuspid with hook G/O	-11°	+4°		2.8mm	R/L	0.6mm
2nd Bicuspid G/O	-16°	+2°		2.8mm	R/L	0.6mm
2nd Bicuspid with hook G/O	-16°	+2°		2.8mm	R/L	0.6mm
1st Molar with hook	-20°	+2°	+2°	4.3mm	R/L	0.9mm
2st Molar with hook	-23°	0°	0°	3.2mm	R/L	0.9mm

GENIUS™ CRYSTAL™

Self-Ligating Passive System





Superior Base Design

- Reliability of 80 gauge mesh
- Well contour for easier placement
- Proprietary Base Texture process to increase bond reliability
- Easy debonding and clean up



Single Piece CIM Construction

- Precise Prescription
- Full aesthetic material without metal slot or metal clips

Reduce Friction

- Archwire slot are designed with rounded corners



Tie Wing

- Ample under-tiewing area for easy engagement



Full Torque & Rotation Control

- Slot precision
- Wire coverage increase
- Secured bracket gate assembly



Patient Comfort

- Bracket surface are designed with rounded edges.



Hooks

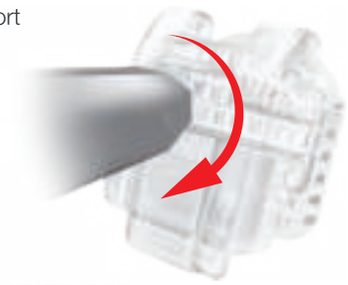
- Fully-integrated hooks for 3,4,5





Opening/Closing Mechanism

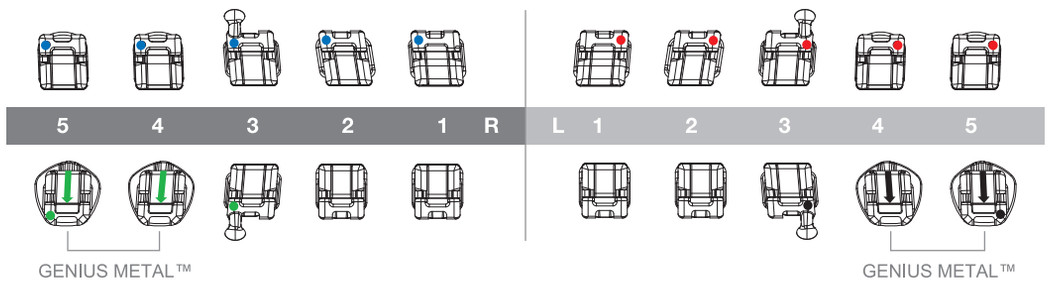
- Open with Genius Driver for greater comfort
- Close with light finger pressure
- Audible click ensures closings



Genius™ Driver



Identification System





GENIUS™ Crystal

Material: Alumina Oxide

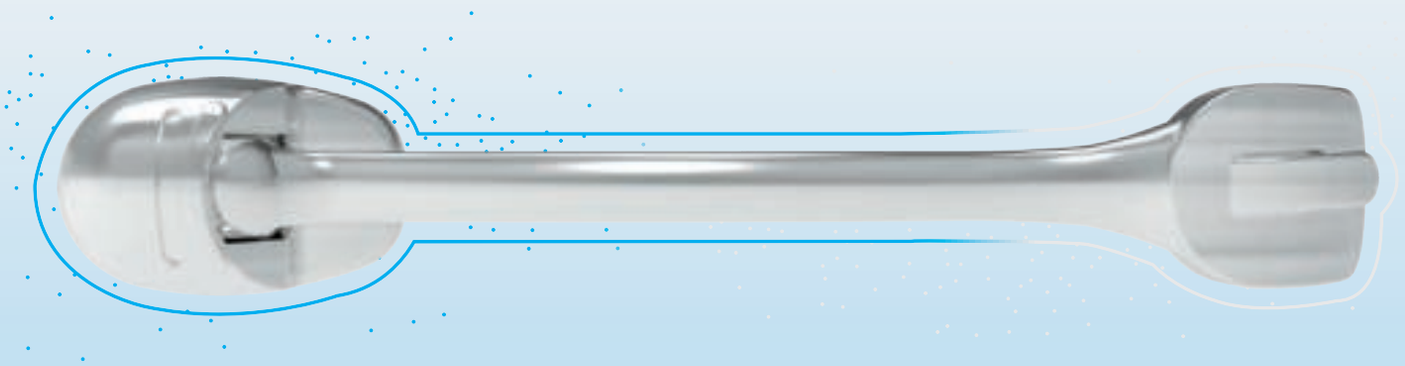
Prescription: Genius .022"

▲Maxillary Arch	Torq.	Ang.	Rot.	Width	R/L	In Out.
Central	+14°	+5°		3.5mm	R/L	0.9mm
Lateral	+6°	+9°		3.3mm	R/L	1.1mm
Cuspid with hook	+3°	+5°		3.4mm	R/L	0.65mm
Bicuspid	-7°	+2°		3.3mm	R/L	0.81mm
1st Molar with hook	-17°	0°	+6°	4.3mm	R/L	0.9mm

▼Mandibular Arch	Torq.	Ang.	Rot.	Width	R/L	In Out.
Anterior	-6°	0°		3.3mm	R/L	1mm
Cuspid with hook	+3°	+5°		3.4mm	R/L	0.65mm
1st Bicuspid (Genius Metal)	-11°	+4°		2.8mm	R/L	0.65mm
2st Bicuspid (Genius Metal)	-16°	+2°		2.8mm	R/L	0.65mm
1st Molar with hook	-20°	+2°	+2°	4.3mm	R/L	0.9mm

GENIUS BAR™

CLASS II CORRECTOR



SIZE

16 mm
18 mm
20 mm
23 mm
24 mm
25 mm
26 mm
27 mm

THE GENIUS BAR

Genius BAR is a universal Class II or III corrector. Genius BAR is made by MIM Technology in ASTM F75 (CoCrMo Alloy). The retentive base is made with high-frequency laser system for excellent bond strength. Genius BAR can be used with any orthodontic adhesive.

Genius BAR is available in six sizes, from size 16, 18, 20, 23, 24, 25, 26 and 27.

FEATURES:

- Rounded hook - provides easy placement of elastics and other attachments on the canine
- Free movement on molar - facilitates easy placement (in and out molar position)
- Consistent - provides consistent radius on all sizes
- Universal - designed to be used on either left and side sides
- Resistance - retentive base features laser-cut undercuts to increase bond strength

Genius BAR can be used alone or with other orthodontic aligners
Genius BAR can also be used for Class III malocclusion by placing it on the lower arch.

ADVANTAGES:

- Control on the molar - canine segment. The connection system, as been designed with tight tolerances to increase treatment effectiveness by minimizing undesired inter-arches or canine movements.
- Effectiveness - The position of the hook on the canine medial side increases the appliances effectiveness by increasing horizontal forces to vertical extrusion.
- Easy positioning - The mesiodistal and occluso-gingival positioning lines facilitate the positioning of the socket on the tooth (pls check if this is applicable to Genius BAR)
- Reduced treatment time - the use of Genius BAR improves the molar-canine relationship which speeds up the orthodontic treatment.
- Comfort - The smooth and low-profile design improves patient comfort and compliance during treatment.

HOW TO USE:

1. Measure the distance from the middle of the canine to middle of the molar buccal surface (or premolar, if needed).
2. Select the Genius BAR from the 6 available sizes.
3. Etch and apply bonding to the canine and molar areas.
4. Put adhesive to the canine and molar areas of the Genius BAR then attach to the surfaces of the teeth then cure.
5. Use suggested elastics from the canine hook to the lower hook of molar buccal tube (Class II) or upper hook of molar buccal tube (Class III).





FREE MOVEMENT



EPS Elite Performance Series



EPS is a single piece bracket made with MIM technology. MIM technology provides the most comfortable brackets with the most precise archwire slots, which gives EPS brackets the possibility to eliminate the treatment time and provide excellent outcome.



Tie Wing

- Ample under-tiewing area for easy engagement



Center Scribe Line

- Permanent visual reference for proper placement



Precise Slot Dimension – “BETTER RESULT”

- Slot Tolerance ±0.02 mm



Reduced Archwire Slot Friction

- C shape design on archwire slot corners



Innovative Pad Design

- Maze Base Design, secure bonding and simplified clean up
- Excellent bonding strength: 11~12Mpa
- Excellent anatomical contouring for easy placement
- Torque in Base for proper bonding



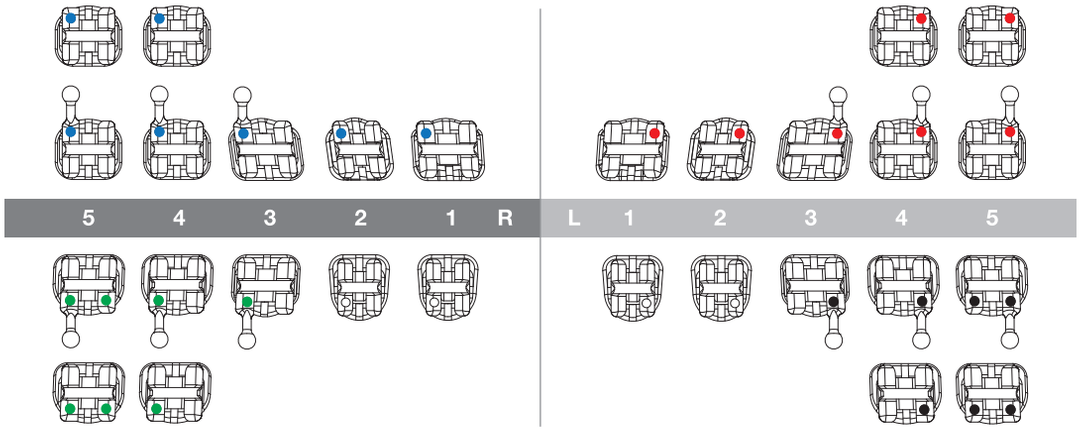
Single Piece 17-4 Stainless Steel MIM Construction

- Avoid separation between bracket body and pad
- Accurate prescription

Patient Comfort

- Bracket surface and corners are designed with rounded corners

Identification System





EPS

Elite Performance Series

Material: 17-4 PH Stainless Steel (630SS)

Prescription: McLaughlin, Bennett & Trevisi .022"/ .018"

▲Maxillary Arch	Torq.	Ang.	Width	R/L
Central	+17°	+4°	3.35mm	R / L
Lateral	+10°	+8°	2.67mm	R / L
Cuspid with hook	-7°	+8°	3.22mm	R / L
Bicuspid with hook	-7°	0°	2.97mm	R / L

▼Mandibular Arch	Torq.	Ang.	Width	R/L
Anterior	-6°	0°	2.46mm	R / L
Cuspid with hook	-6°	+3°	3.25mm	R / L
1st Bicuspid with hook	-12°	+2°	3.1mm	R / L
2st Bicuspid with hook	-17°	+2°	3.1mm	R / L



Heimas mini

Experience smallest



Experirnce Comfort:
Nano Polishing Technology

- Enhance surface smoothness
- Rounded edges provide patient's comfort
- Avoid food residue on bracket surface
- Reduce slot friction

Experirnce Nature:
Using Cobalt Chromium Alloy Material Provides,

- High corrosion resistance
- High biocompatibility
- Reduce friction

Experirnce Convenience:
Easy Opening &Closing

- Open with explorer and close with finger

Experirnce Efficiency:
Auxiliary Slots

- Allow two archwires at the same time for
- Superior finishing





Dumbbell-locking Mechanism

- Provide"Full Stop" during opening and closing
- Provide audible "Click"during opening &closing

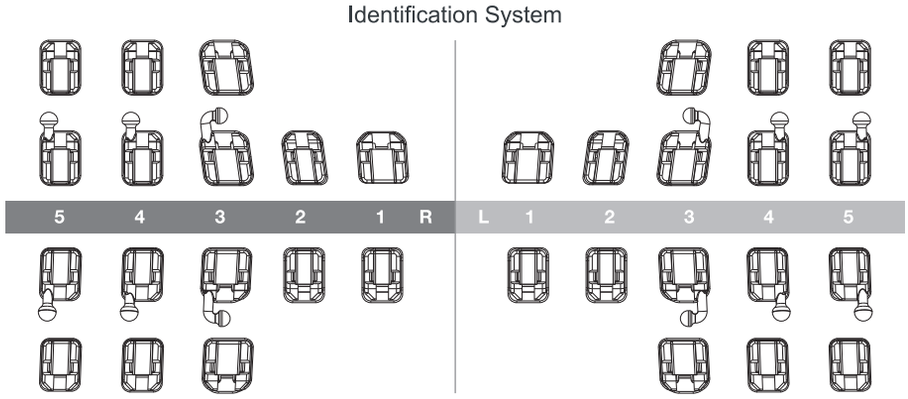


Unique Maze Base Design

- Securely bonding and simplified clean up
- Creates excellent bonding strength



Identification System



Heimas mini

Material: Cobalt Chromium Alloy(F75 Nickel Free)

Prescription: McLaughlin, Bennett & Trevisi .022"/ .018"

▲Maxillary Arch	Torq.	Ang.	Width	R/L
Central	+17°	+4°	2.5mm	R / L
Lateral	+10°	+8°	2.0mm	R / L
Cuspid with hook	-7°	+8°	2.5mm	R / L
Bicuspid with hook	-7°	0°	2.0mm	R / L

▼Mandibular Arch	Torq.	Ang.	Width	R/L
Anterior	-6°	0°	2.0mm	R / L
Cuspid with hook	-6°	+3°	2.5mm	R / L
1st Bicuspid with hook	-12°	+2°	2.0mm	R / L
2st Bicuspid with hook	-17°	+2°	2.0mm	R / L

Zeemas A



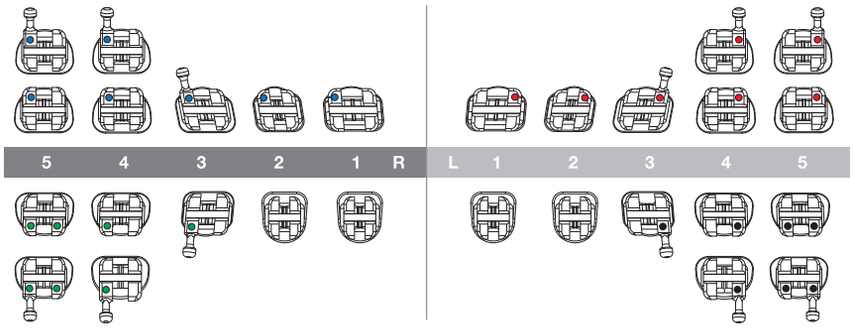
Classic Twin Bracket

- MIM One Piece Construction
- Low Profile
- Unique Maze Base Design





Identification System



Zeemas A

Material: 17-4 PH Stainless Steel (630SS)

Prescription: McLaughlin, Bennett & Trevisi .022"/ .018"

▲Maxillary Arch	Torq.	Ang.	Width	R/L
Central	+17°	+4°	3.6mm	R / L
Lateral	+10°	+8°	2.8mm	R / L
Cuspid with hook	-7°	+8°	3.2mm	R / L
Bicuspid with hook (w/o hook)	-7°	0°	3.2mm	R / L

▼Mandibular Arch	Torq.	Ang.	Width	R/L
Anterior	-6°	0°	2.4mm	R / L
Cuspid with hook	-6°	+3°	3.2mm	R / L
1st Bicuspid with hook (w/o hook)	-12°	+2°	3.2mm	R / L
2st Bicuspid with hook (w/o hook)	-17°	+2°	3.2mm	R / L

Material: 17-4 PH Stainless Steel (630SS)

Prescription: Roth .022"/ .018"

▲Maxillary Arch	Torq.	Ang.	Width	R/L
Central	+12°	+5°	3.6mm	R / L
Lateral	+8°	+9°	2.8mm	R / L
Cuspid with hook	0°	+11°	3.2mm	R / L
Bicuspid with hook (w/o hook)	-7°	0°	3.2mm	R / L

▼Mandibular Arch	Torq.	Ang.	Width	R/L
Anterior	0°	0°	2.4mm	R / L
Cuspid with hook	-11°	+5°	3.2mm	R / L
1st Bicuspid with hook (w/o hook)	-17°	0°	3.2mm	R / L
2st Bicuspid with hook (w/o hook)	-22°	0°	3.2mm	R / L

ADVANCED Zeemas C

Translucent Ceramic Brackets



Zeemas C Ceramic Bracket is a true twin tiewing clear bracket. This bracket design is patient-oriented with low profile and rounded corners to enhance patient comfort. By using advanced ceramic injection manufacturing process, Zeemas C brackets offer reliable strength and translucent colors that can blend with patient's natural tooth color.



Single Piece CIM Construction

- Precise Prescription
- Large Radius & Smooth Flat Surface on the tie wings for patient comfort
- Torque in Base



TRUE TWIN TIE WINGS



"BUTTERFLY" Tie Wing Design

- For easy engagement of power Os & Chain. Easy to catch the mesial or distal corners of the wings



Excellent Sliding Mechanics

- Generous Radius on the mesial and distal edges of the archwire slot improves sliding of the archwire and eliminates notching of the archwire



- Generous Radii along the archwire slot to eliminate any resistance to archwire sliding



Proprietary Base Design & Treatment

- Reliable Bond Strength
- The bond base curvature is optimized to proved a great fit to the tooth curvature. Improves bond reliability and makes bracket placement easier.

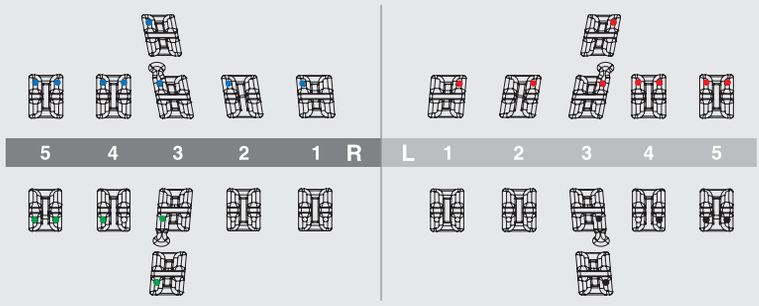


Angled Debonding Feature

- Angled debonding feature designed on the mesial & distal sides of the brackets bond base - allows the tip of the debonding instrument to access the adhesive bond line and make debonding easier.







Zeemas C

Material: Alumina Oxide

Prescription: Roth .022"/.018"

▲Maxillary Arch	Torq.	Ang.	Width	R/L
Central	+12°	+8°	3.18mm	R / L
Lateral	+5°	+9°	3.18mm	R / L
Cuspid with hook	-2°	+11°	3.05mm	R / L
Cuspid without hook	-2°	+11°	3.05mm	R / L
Bicuspid	-7°	0°	3.05mm	R / L

▼Mandibular Arch	Torq.	Ang.	Width	R/L
Anterior	-1°	0°	3.05mm	R / L
Cuspid with hook	-11°	+5°	3.00mm	R / L
Cuspid without hook	-11°	+5°	3.00mm	R / L
1st Bicuspid	-17°	0°	3.00mm	R / L
2st Bicuspid	-22°	0°	3.00mm	R / L

Prescription: Andrews .022"/.018"

▲Maxillary Arch	Torq.	Ang.	Width	R/L
Central	+7°	+5°	3.18mm	R / L
Lateral	+3°	+9°	3.18mm	R / L

Prescription: McLaughlin, Bennett & Trevisi .022"/.018"

▲Maxillary Arch	Torq.	Ang.	Width	R/L
Central	+17°	+4°	3.18mm	R / L
Lateral	+10°	+8°	3.18mm	R / L
Cuspid with hook	0°	+8°	3.05mm	R / L
Cuspid without hook	0°	+8°	3.05mm	R / L
Cuspid without hook	-7°	+8°	3.05mm	R / L
Bicuspid	-7°	0°	3.05mm	R / L

▼Mandibular Arch	Torq.	Ang.	Width	R/L
Anterior	-6°	0°	3.05mm	R / L
Cuspid with hook	0°	+3°	3.00mm	R / L
Cuspid without hook	0°	+3°	3.00mm	R / L
Cuspid without hook	-6°	+3°	3.00mm	R / L
1st Bicuspid	-12°	0°	3.00mm	R / L
2st Bicuspid	-17°	0°	3.00mm	R / L

ORIGAMI SL

.020 Square

-Passive Self-Ligating System-



Development Concept & Features:

We developed the ORIGAMI SL with the goal of creating a labial bracket that balances efficient treatment with patient comfort.

A key feature of this product is its square shaped bracket slot, which shares the same square geometry as the "Origami" (folding paper) that inspired its name. The square slot reduces "play" between the wire and the slot, creating an environment that is easier to control. Because the vertical and horizontal dimensions of the slot are identical, it is characterized by its ability to minimize play in both directions, even when using round wires.

Furthermore, with patient comfort and Light Continuous Force control in mind, we designed this as a small, low-profile self-ligating bracket. We are confident that the .020 Square slot concept will redefine orthodontic standards worldwide.



Developer:

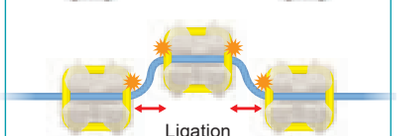
Dr. Kyoto Takemoto

Japan

Passive

Low friction. Less binding

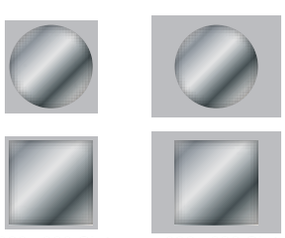






.020 Square

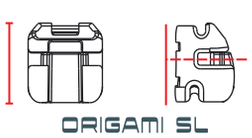
Light Force.
Tipping & Rotation control

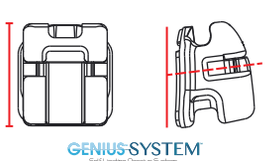




Esthetic

Small, Low profile

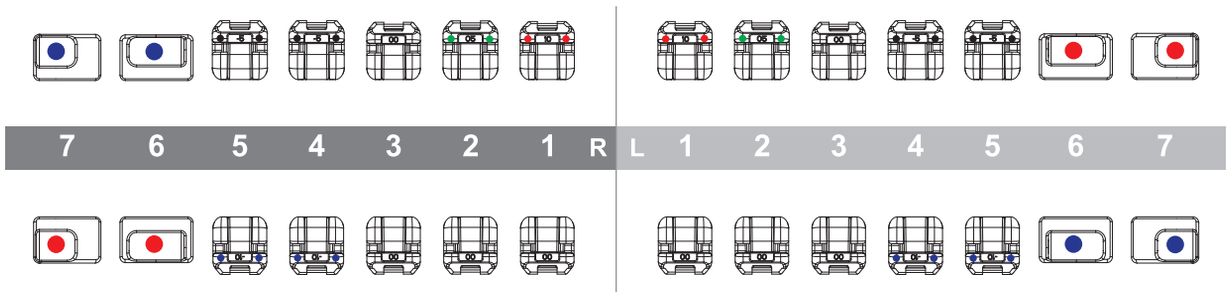








Identification System



Origami SL

Material: Alumina Oxide

Prescription: McLaughlin, Bennett & Trevisi .022"/ .018"

▲Maxillary Arch	Torq.	Ang.	Width	R/L
Central	+10°	0°	mm	R / L
Lateral	+5°	0°	mm	R / L
Cuspid	0°	0°	mm	R / L
1st Bicuspid	-5°	0°	mm	R / L
2st Bicuspid	-5°	0°	mm	R / L
1st Molar	-15°	0°	mm	R / L
2st Molar	-15°	0°	mm	R / L

▼Mandibular Arch	Torq.	Ang.	Width	R/L
Anterior	0°	0°	mm	R / L
Cuspid	0°	0°	mm	R / L
1st Bicuspid	-10°	0°	mm	R / L
2st Bicuspid	-10°	0°	mm	R / L
1st Molar	-15°	0°	mm	R / L
2st Molar	-15°	0°	mm	R / L



DIRECT PRINT CERAMIC TECHNOLOGY

For years, orthodontists have had to rely on pre-manufactured prescription brackets, limiting their ability to fully customize treatments. These standardized options often fail to align with a doctor's precise vision, leading to less-than-ideal results.

Now, with 3D Direct Print Ceramic Technology, customization reaches a whole new level. Orthodontists can design and create brackets tailored to their unique treatment philosophy-ensuring precision, efficiency, and optimal patient outcomes.

The Problem:

The Limitations of Pre-Manufactured Brackets

- Standard brackets force orthodontists to adapt their treatments to available prescriptions.
- One-size-fits-all approaches can lead to compromised results and longer treatment times.



The Solution:

Direct Print Ceramic Technology



- Truly Customized Brackets – Designed to match your exact treatment philosophy.
- Better Clinical Outcomes – Improved precision, comfort, and efficiency.
- Aesthetic & Durable – High-performance translucent ceramic for patient satisfaction.
- Efficiency Redefined – Reduce chair time and enhance workflow.

With direct print ceramic brackets, I can finally treat my patients with a truly customized approach-achieving results that align perfectly with my vision.

- Dr. Chen, Orthodontist



Ceramic Injection Molding	VS	3D Direct Print Ceramics
• At least 1.5 years • Slower due to mold making and post-processing	Development Length	• 6 months • Faster for prototypes and small batches
• High initial cost due to mold fabrication	Cost	• Lower initial cost
• Suitable for complex geometries	Production Speed	• Ideal for intricate and customized designs
• Good precision and repeatability • Tolerance +/- 0.02mm	Precision	• High Precision • Tolerance +/- 0.01mm
• Slower due to mold making and post-processing • 6 weeks leadtime	Complexity	• Faster for prototypes and small batches • 4 weeks leadtime
• Very limited changes can be made	Modification	• Easy to make any changes
• Best for mass production	Scalability	• Better for small runs and custom parts

How it Work



Design Your Prescription

Work with our engineer team to create your custom brackets.

Precision 3D Printing

Using cutting-edge ceramic printing technology.

Seamless Integration

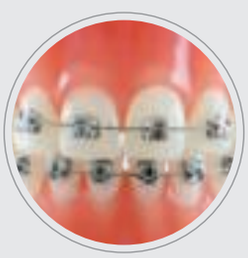
Brackets fit your treatment plan perfectly.



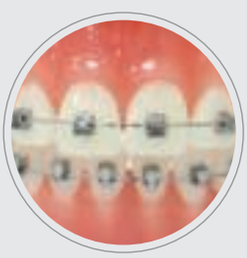
Orthodontic Typodont



GENIUS 2 METAL™



GENIUS METAL™



Heimas mini



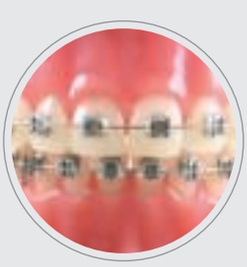
GENIUS Crystal™



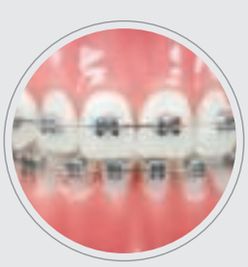
Zeemas C



Origami SL



EPS



Zeemas A



WIRE

QEST WIRE™

Choosing the best wire for the application

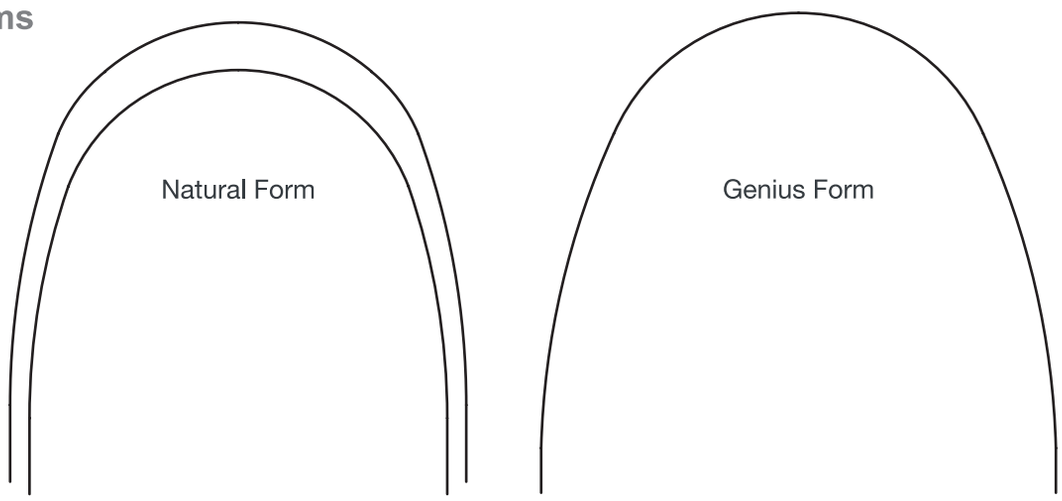
Quana
Nickel Titanium Wires

Ebba
Thermal Nickel Titanium Wires

Sera
Stainless Steel Wires

Tilda
Beta Titanium Wires

Arch Forms



Packaging

Bulk Pack, 10 pcs / pack



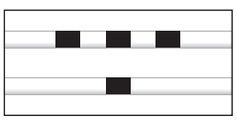
Clean Pack, 1pcs / bag, 10 pcs / box





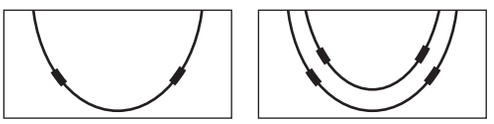
Identification

Centermark



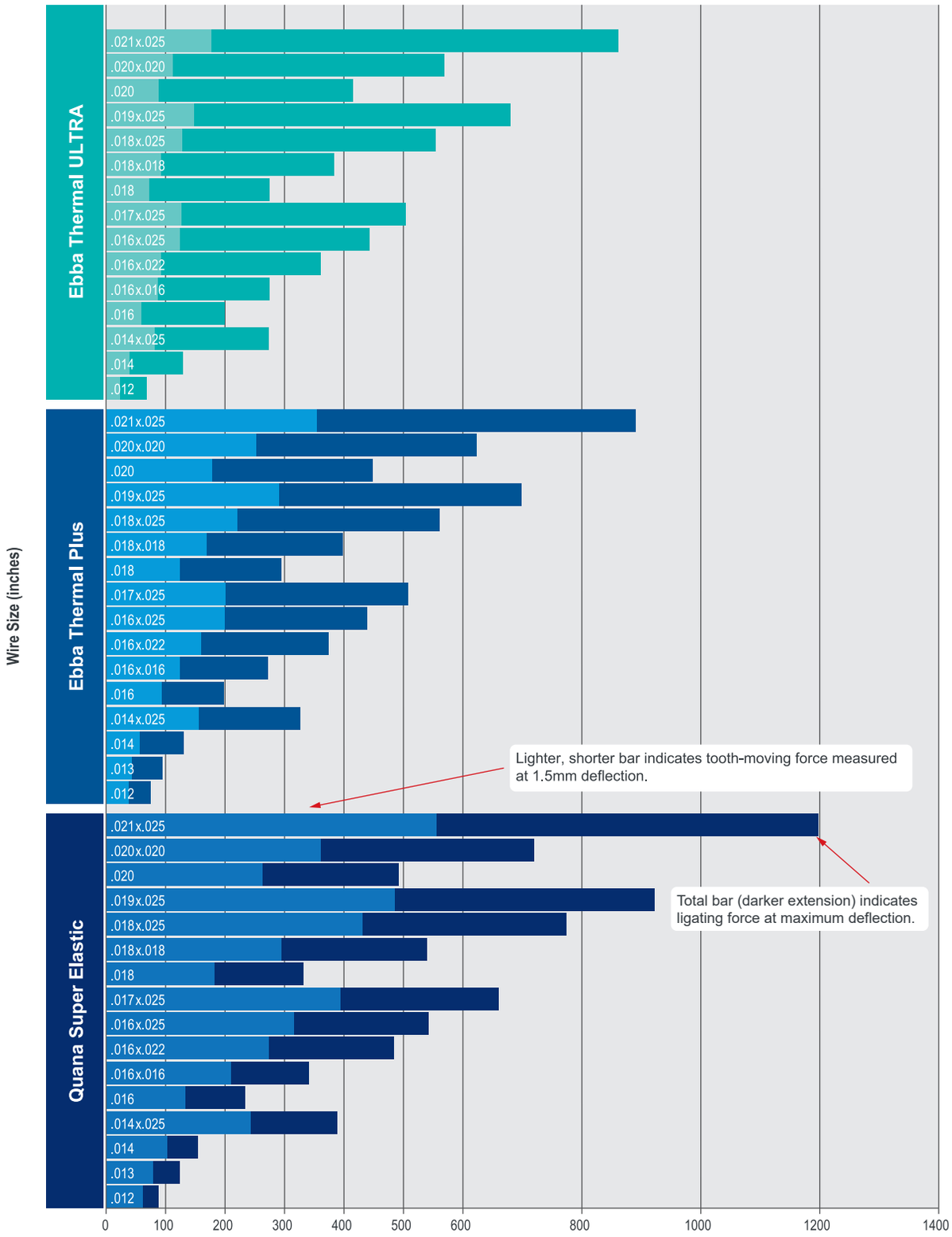
Triple lines denote upper arch.
Single line denotes lower arch.

Pre-Stopped



Most Nickel Titanium archwires are available pre-loaded with two lightly crimped tube stops.

MEM **Nickel Titanium Wire** Force Ratings



Testing done in accordance with ISO 15841:2006(E).

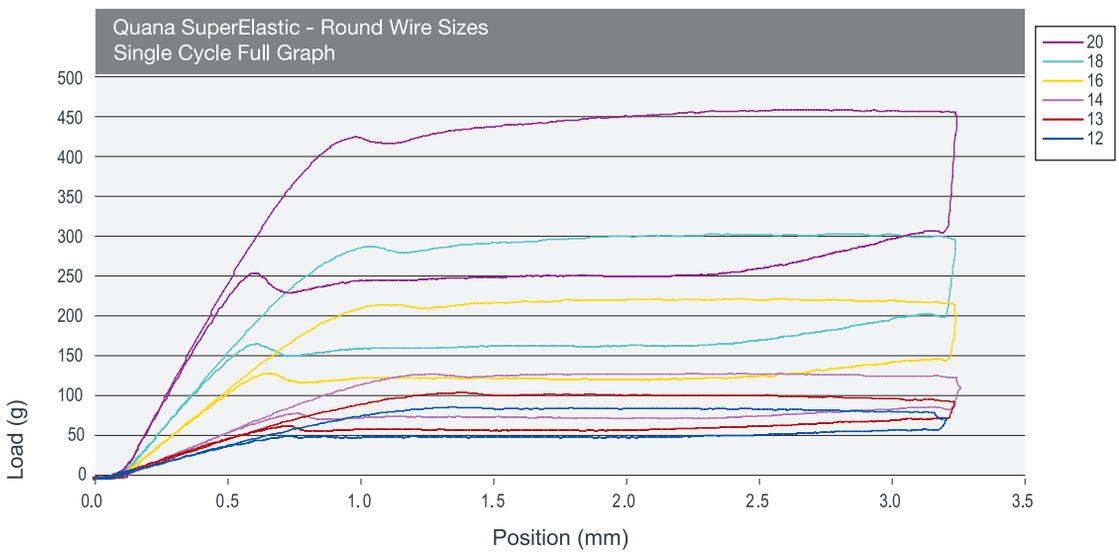
Quana Nickel Titanium Wires

SuperElastic NiTi Archwire

Natural Form / Genius Form					
Round	.012"	.014"	.016"	.018"	.020"
Square	.016"x.016"	.018"x.018"	.020"x.020"		
Rectangle	.014"x.025"	.016"x.022"	.016"x.025"	.017"x.025"	.018"x.025"
	.019"x.025"	.021"x.025"			


Centermarks


Pre-Stopped



RCS NiTi Archwire

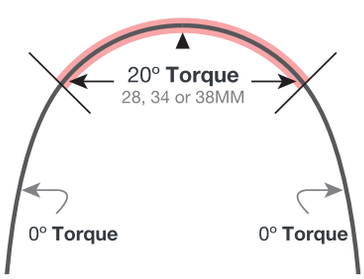
Natural Form					
Round	.014"	.016"	.018"	.020"	
Square	.016"x.016"	.018"x.018"	.020"x.020"		
Rectangle	.016"x.022"	.016"x.025"	.017"x.025"	.018"x.025"	.019"x.025"
	.021"x.025"				


Centermarks

Genius Pre-Torqued
Nickel Titanium Archwire

Wire Sizes		
Upper	.019"x.025" – Torque +/ -20° 34mm	.019"x.025" – Torque +/ -20°
	.017"x.025" – Torque +/ -20° 34mm	.017"x.025" – Torque +/ -20°
Lower	.019"x.025" – Torque +/ -20° 28mm	.017"x.025" – Torque +/ -20°

Packaging: 1 pcs / pack, 10 packs / box



- Provides 20° anterior torque.
- Three anterior torque segment widths available.
- Early introduction of torque in upper centrals and laterals.
- Provides uprighting torque in the lower anterior segment.
- Labial or lingual torque forces available by reversing wire orientation.
- Ideal for passive self-ligating bracket systems.
- Nickel Titanium provides lower forces compared to Stainless Steel alternatives, as well as shape memory benefits of better resiliency and longer activation range.

Ebba Thermal Nickel Titanium Wires

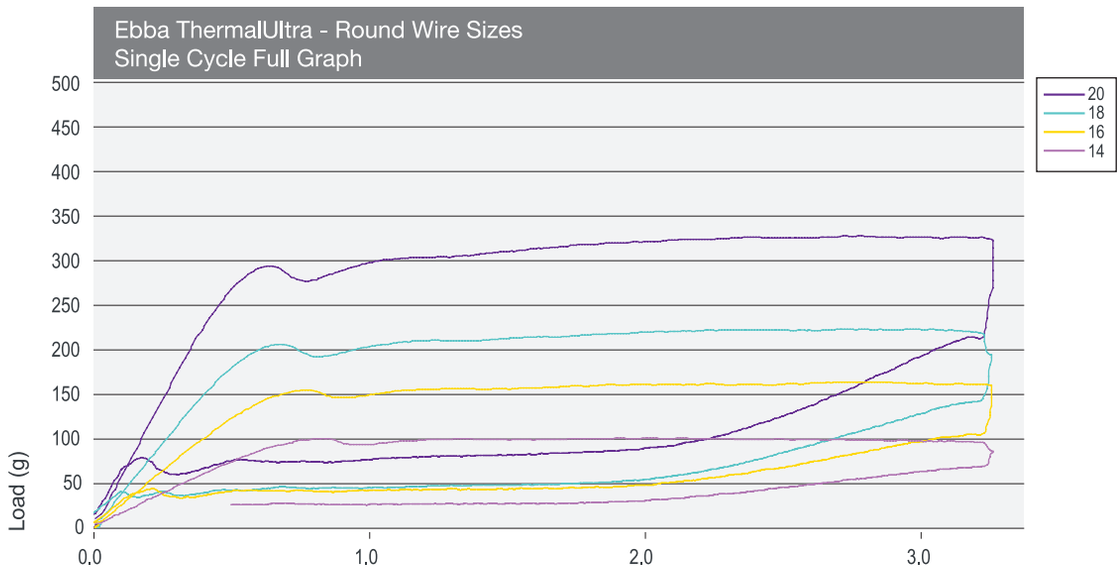
Thermal Ultra NiTi Archwire

Natural Form / Genius Form					
Round	.012"	.014"	.016"	.018"	.020"
Square	.016"x.016"	.018"x.018"	.020"x.020"		
Rectangle	.014"x.025"	.016"x.022"	.016"x.025"	.017"x.025"	.018"x.025"
	.019"x.025"	.021"x.025"			


Centermarks


Pre-Stopped

Light Force like Feather



Thermal Plus NiTi Archwire

Natural Form / Genius Form					
Round	.012"	.014"	.016"	.018"	.020"
Square	.016"x.016"	.018"x.018"			
Rectangle	.014"x.025"	.016"x.022"	.016"x.025"	.017"x.025"	.018"x.025"
	.019"x.025"				


Centermarks

Ebba Thermal Nickel Titanium Wires

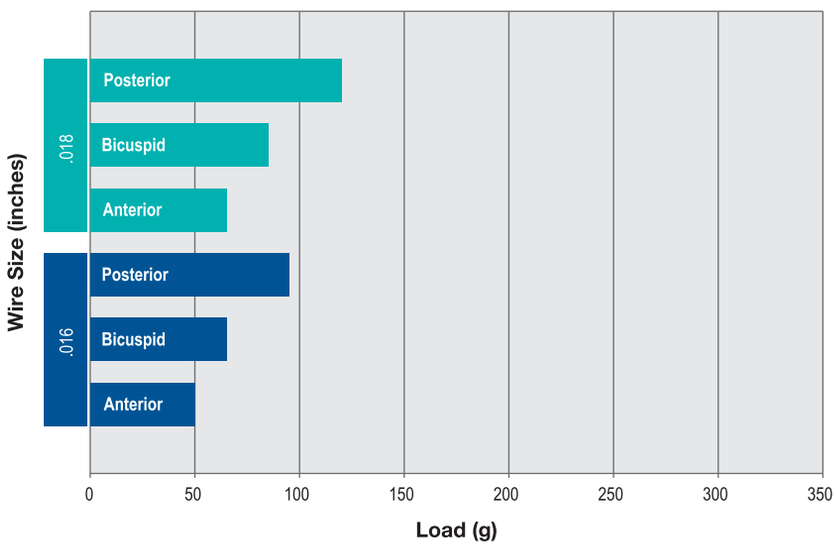
Thermal Three NiTi Archwire

Natural Form					
Round	.016"	.018"			
Square	.016"x.016"	.018"x.018"	.020"x.020"		
Rectangle	.016"x.022"	.017"x.025"	.018"x.025"	.019"x.025"	.021"x.025"

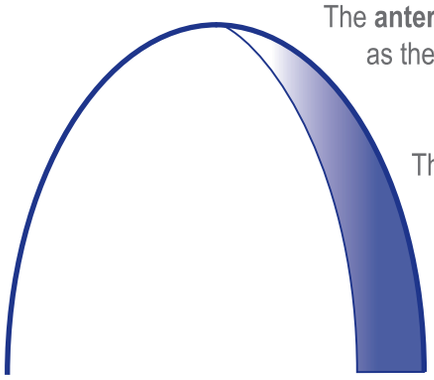


Centermarks

MEM **Thermal Three NiTi Wire** Force Ratings



Tooth-moving forces at 1.5mm deflection.
3-Point Bend Test performed on a 10mm wire span.
Wire tested in the Buccal-Lingual plane to allow for curvature of the archwire.



The **anterior region** has the **lowest heat-activated force,** as the anterior teeth have the lightest roots.

The **bicuspid region** has a **slightly greater heat-activated force** to move the larger rooted bicuspds.

The **posterior region** has the **greatest heat-activated force** of the archwier for moving the strong-rooted molars.

Sera Stainless Steel Wires

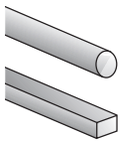
Stainless Steel Archwire

Natural Form / Genius Form					
Round	.012"	.014"	.016"	.018"	.020"
Square	.016"x.016"	.018"x.018"	.020"x.020"		
Rectangle	.016"x.022"	.016"x.025"	.017"x.025"	.018"x.025"	.019"x.025"
	.021"x.025"				



Centermarks

Stainless Steel Wire



Straight line					
Round	.012"	.014"	.016"	.018"	.020"
	.022"	.024"	.025"	.026"	.028"
	.030"	.032"	.036"	.040"	.045"
	.051"	.056"	.060"		
Square	.016"x.016"	.018"x.018"	.020"x.020"		
Rectangle	.016"x.022"	.016"x.025"	.017"x.025"	.018"x.025"	.019"x.025"
	.021"x.025"				

Packaging: 25 pcs / Tube

Length: 14"

3-Strand Flat Lingual Retainer

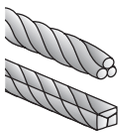


Straight line	
Rectangle	.010"x.028"

Packaging: 10 pcs / Tube

Length: 6"

3-Strand Stainless Steel Wire



Straight line				
Round	.0155"	.0175"	.0195"	.0215"
Square	.016"x.016"			
Rectangle	.016"x.022"	.017"x.025"	.018"x.025"	.019"x.025"

Packaging: 10 pcs / Tube

Length: 14"

Sera Stainless Steel Wires

6-Strand Stainless Steel Wire



Straight line					
Round	.0155"	.0175"	.0195"	.0215"	

Packaging: 10 pcs / Tube

Length: 14"

8-Braid Stainless Steel Wire



Straight line					
Square	.016"x.016"				
Rectangle	.016"x.022"	.017"x.025"	.018"x.025"	.019"x.025"	.021"x.025"

Packaging: 10 pcs / Tube

Length: 14"

Keyhole Looped Stainless Steel Archwire

Wire Sizes			
2- and 4-Loop	.016"x.022"	.017"x.025"	.019"x.025"
4-Loop only	.021"x.025"		

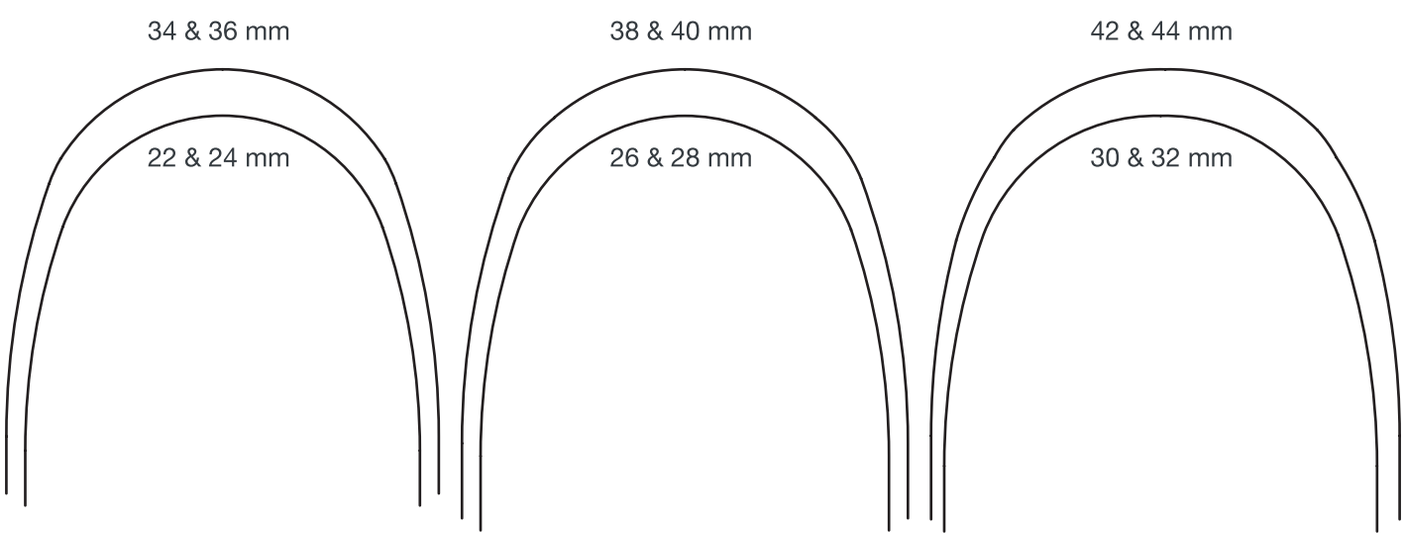
Anterior Loop Spacing for 2-and 4-Keyhole Loops

(measured from center of mesial loops): 22-44mm, in 2mm increments

Packaging: 10 pcs / pack

- Used in sliding mechanics for extraction space closure and in non-extraction Class II cases.
- Commonly used in combination with elastics or closed coil springs.

SS Keyhole Looped Arch Forms



Anterior Loop Spacing indicated within associated Arch Form.

Tilda Beta Titanium Wires

Beta Titanium Archwire

Natural Form / Genius Form					
Round	.016"	.018"			
Square	.018"x.018"				
Rectangle	.016"x.022"	.017"x.025"	.018"x.025"	.019"x.025"	.021"x.025"



Centermarks

Straight line					
Round	.016"	.018"	.027"	.032"	.036"
Square	.016"x.016"	.018"x.018"			
Rectangle	.016"x.022"	.017"x.025"	.018"x.025"	.019"x.025"	.021"x.025"

Packaging: 20 pcs / Tube

Length: 14"

Connecticut Intrusion Beta Titanium Archwire

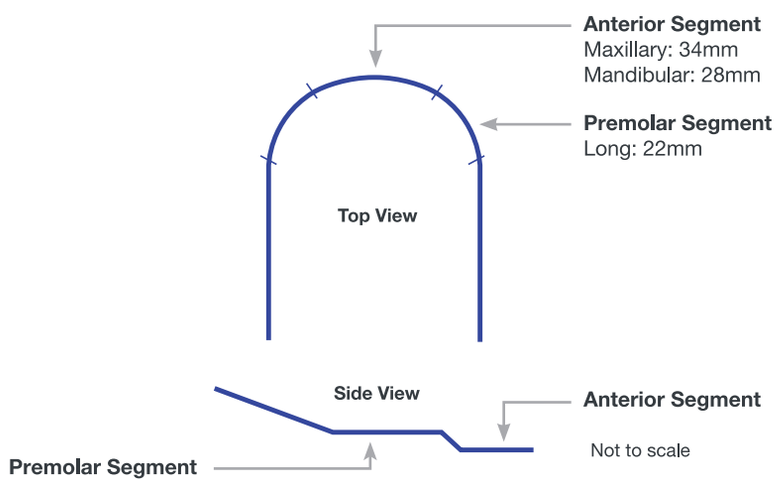
Connecticut Intrusion Arches is a great tool for providing absolute intrusion of anterior teeth, molar tipback, incisor flaring, leveling of anterior occlusal cants, and more!

Force can be adjusted by increasing or decreasing the bend at the posterior leg of the arch.

Anterior Segment Lengths:
34mm: Maxillary
28mm: Mandibular
Premolar Segment Lengths:
Long: 22mm

Wire Sizes		
Rectangle	.016"x.022"	.017"x.025"

Packaging: 10 pcs / pack



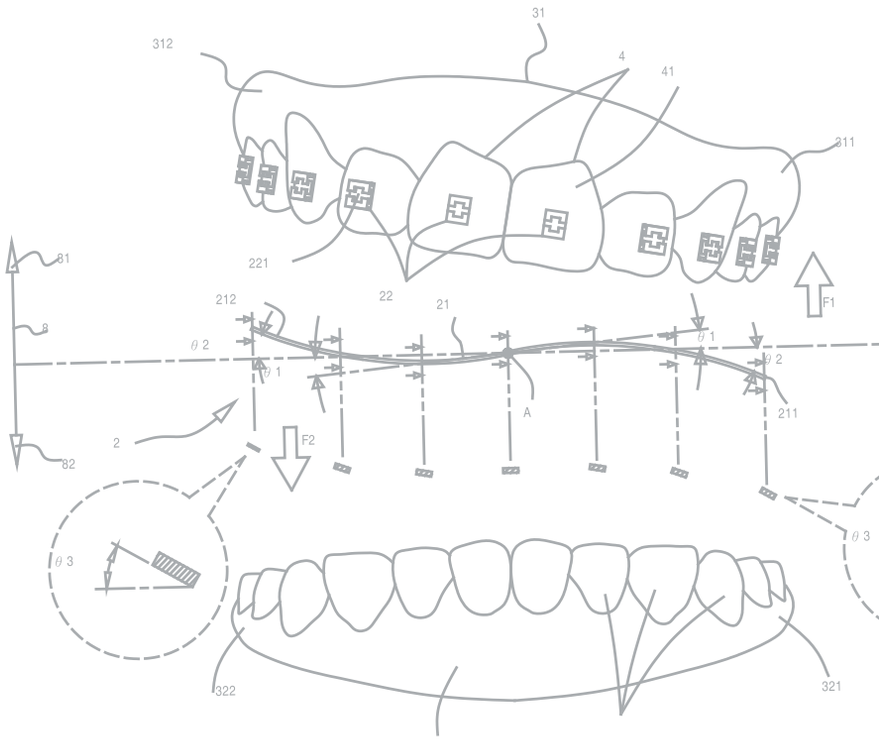
Yin – Yang archwire

For the correction of occlusal cant

Developed by

Dr. Eric Liou

Taiwan Patent No. 099215432 | US Patent No. 8485817B2



Instructions for use

1. The Yin-Yang archwire has 0.017 x 0.025 and 0.018 x 0.025 wire size series. The 0.017 x 0.025 wire size is for the 18-slot size brackets, and 0.018X0.025 is for the 22-slot size brackets. It should be placed from molar to molar in each tooth bracket just like a conventional archwire.

2. It has 60- and 100-degree up-and-down configurations. The 100-degree is for the correction of a cant in the beginning, and the 60-degree is to maintain the correction.

3. A transpalatal arch (TPA) or lingual holding arch (LHA) together with a Yin-Yang archwire are necessary for the correction of a posterior and anterior occlusal cant. TPA and LHA may be not necessary for a correction of anterior occlusal cant only.

4. It has two orientations. A right side up occlusal cant should be corrected by an Yin-Yang archwire with a right side down and left side up orientation at the anterior. A left side up occlusal cant should be corrected by an Yin-Yang archwire with a left side down and right side up orientation at the anterior.

Type

Right Down Left Up



Right Up Left Down

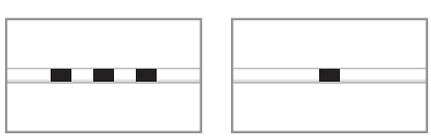


Size

Packaging: 5 pcs / box

○ .017" x .025" 60° ○ .018" x .025" 60°

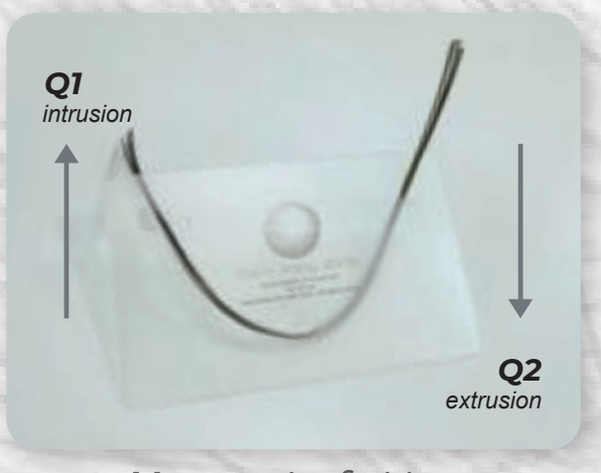
○ .017" x .025" 100° ○ .018" x .025" 100°



Upper Lower

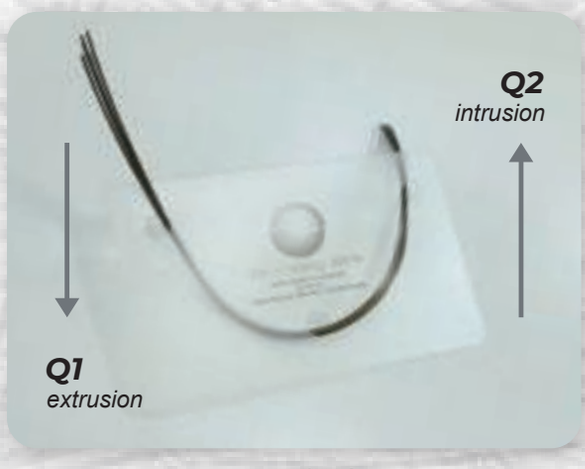
Yin – Yang archwire

for Occlusal Canting



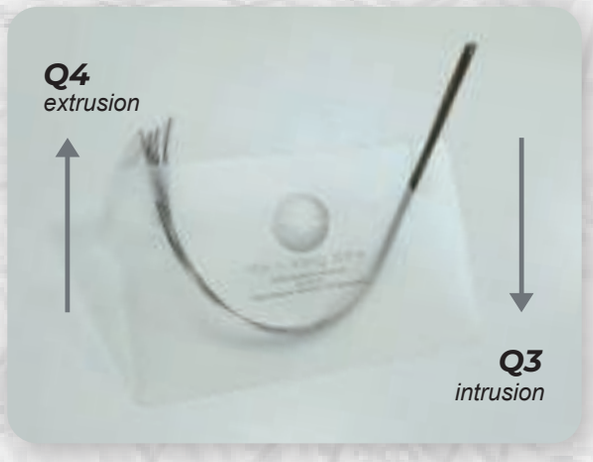
Upper *Left Up*

(Q1 Intrusion, Q2 Extrusion)



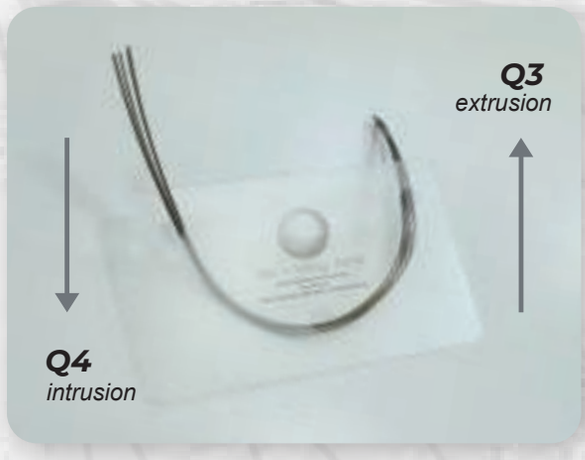
Upper *Right Up*

(Q1 Extrusion, Q2 Intrusion)



Lower *Left Up*

(Q4 Extrusion, Q3 Intrusion)



Lower *Right Up*

(Q4 Intrusion, Q3 Extrusion)

NiTi Open Coil Spring

- Length: 7"
- Force: Medium(200g)
- Packaging: 3pcs / tube



SS Open Coil Spring

- Spring Size: .010"x.030"/.010"x.036"
- Packaging: 40" / spool





SS Closed Coil Spring

- Spring Size: .010"x.030"
- Packaging: 40" / spool



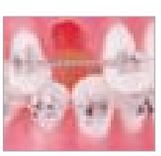


NiTi Open Coil Spring

- **7" Length**
  Light - .010"x.030"
  Medium - .012"x.030"
  Heavy - .014"x.036"
  Packaging: 3 springs / tube

- **15" Spool**
  Light - .010"x.030"
  Medium - .012"x.030"
  Packaging: 15" / spool





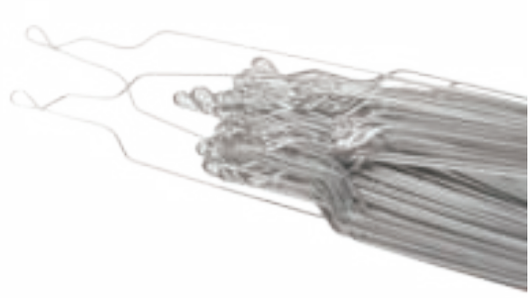
Stainless Steel Preformed Ligature Ties

- Size: .010"/.012"
- Packaging: 1000 pcs / tube



Kobayashi Ties

- Size: .010"/.012"/.014"
- Packaging: 100 pcs / tube



Preformed Shorty Ligature Ties Twist End

- Size: .010"
- Packing: 500 pcs / pack



Stainless Steel Spooled Ligature Wire

- Size: .008"/.009"/.010"/.012"
- Packaging: 1lbs / per sool

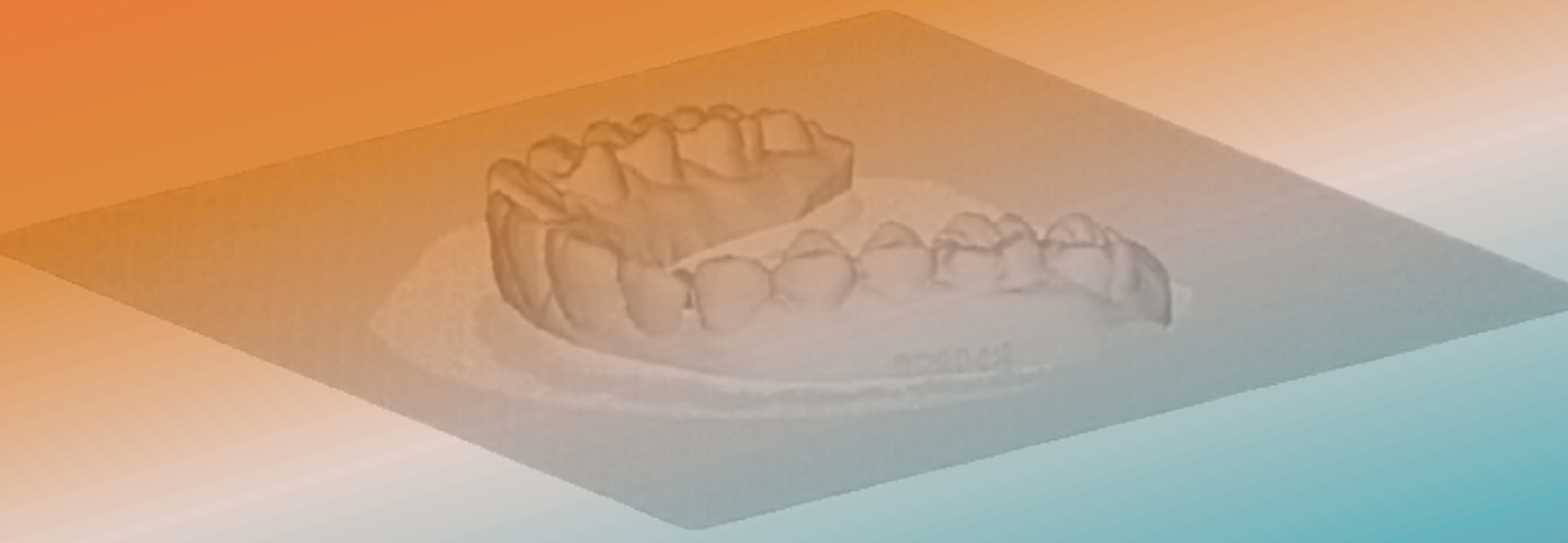


Crimpable Split Stops

- Material: 304SS
- Packaging: 10 strips / pack



CUSTOMIZED DEVICE

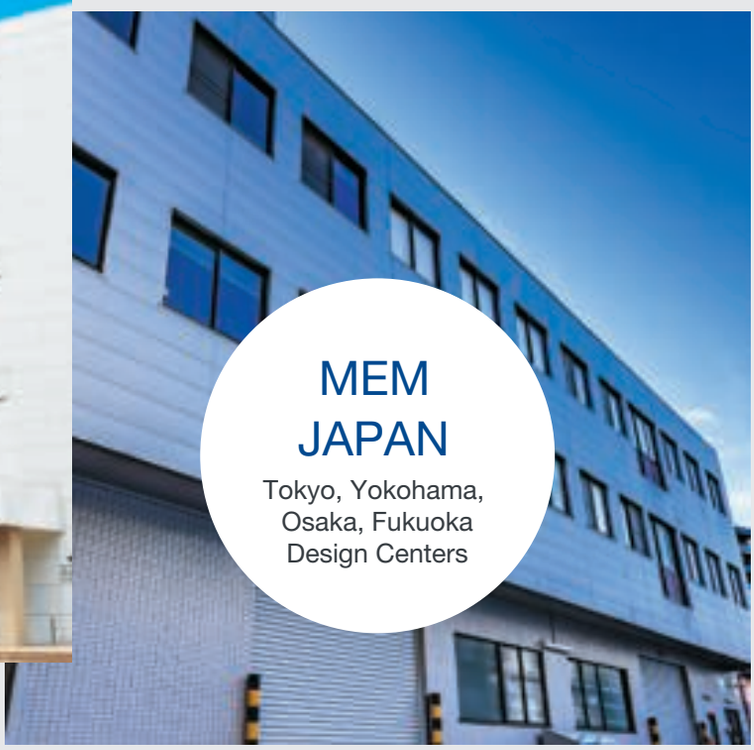


Creating perfect smiles is your expertise.
We provide you with a more efficient and precise way to achieve it.
Your premier partner for personal branding.

planB
Plan Better Now



MEM
TAIWAN
Taiwan Headquarters
Taipei Design Center



MEM
JAPAN
Tokyo, Yokohama,
Osaka, Fukuoka
Design Centers

ONE TEAM

We offer a one-stop service from product design to manufacturing.





DIGITAL
DESIGN



MANUFACTURER



All Product

Clear Aligner System



Sport Guards



Digital Indirect Bonding



and Customized Design

MEM has a team of digital tooth alignment technicians in both Taiwan and Japan.

Based on the doctor's treatment plan, we conduct software analysis and simulate tooth movement throughout the orthodontic process.

Our production process adheres to the highest medical device manufacturing and quality standards, ensuring precision at every stage.

Digital Workflow



Oral Scan ▶ Data Integration ▶ Treatment Planning ▶ Customized Production



MEM Clear Aligner System

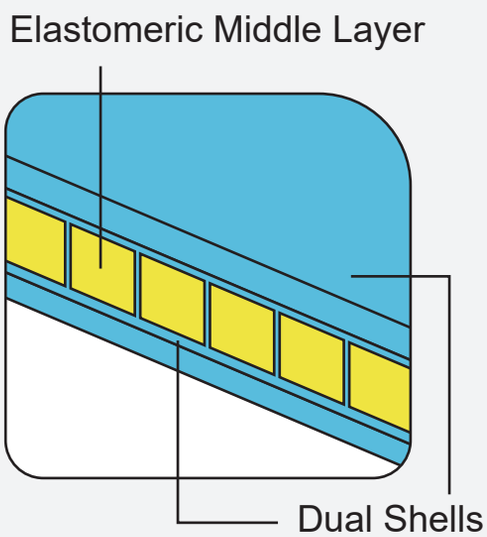
A Trusted Taiwanese Manufacturer You Can Rely On

Ensuring Traceability from Raw Materials to Finished Products



The Doctor Leads. We Support.

Removable orthodontic treatment requires a professional team effort: The doctor oversees the patient's treatment plan, while MEM handles digital tooth alignment design and manufacturing, delivering high-quality local medical services.



Crafted from flexible, high-elasticity, and crack-resistant materials, our aligners combine durability with a superior manufacturing process-bringing the invisible magic of orthodontic treatment to life.



MEM Clear Aligner System

Choose Superior Materials

1 *Triple-Layer Composite Material*

We utilize a three-layer plastic structure that delivers consistent orthodontic force.

This advanced material features a rigid outer layer for stability, a flexible middle layer for elasticity, and a soft inner layer that reduces initial pressure by 40%, minimizing discomfort.

The durable outer layer enhances tooth movement stability by 150%, while the unique design improves tooth translation and rotation. Additionally, the elastic layer absorbs excess force, increasing overall durability.

- Durable dual outer layers securely grip the teeth while minimizing wear.
- A flexible, elastic inner layer delivers consistent force, gently guiding teeth into place.
- BPA - free, phthalate-free, gluten-free, and latex-free, ensuring the highest safety standards in orthodontic thermoplastics.

2 *Smart Memory Material*

Our innovative smart memory material precisely retains its shape and effortlessly returns to its original form when exposed to warm water.

Engineered for durability, it withstands biting forces while providing consistent, gentle pressure to guide tooth movement-enhancing both effectiveness and comfort throughout treatment.

Why MEM ?

Diverse Material Options

Choose from two advanced materials to ensure the perfect solution for every patient.

Effortless Communication

Our comprehensive platform makes onboarding a breeze, allowing you to start immediately.

Tailored Output

Opt for digital models alone or complete aligner production - without any quantity restrictions.



MEM Digital Indirect Bonding

Integrate digital tooth alignment to craft a precise treatment plan before orthodontic treatment begins.

Ensure accurate positioning for a seamless and efficient bonding process.

Experience the Difference
Elevate Orthodontic Treatment with MEM!

Bonding Time **Treatment Outcomes**

Patient Comfort **Placement Precision**



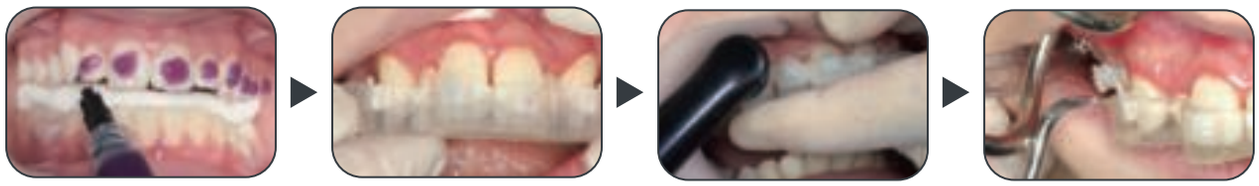
More precise than ever - effortless and seamless. Secure, stable, and perfectly bonded.

Traditional bonding requires attaching brackets one by one, a tedious process that keeps your mouth open for 40 to 60 minutes, causing discomfort and fatigue.

With MEM's Digital IDB technology, brackets are pre - positioned on a custom - fit tray designed to match your unique tooth structure. This allows the doctor to bond them all at once with exceptional precision, cutting bonding time by up to 50%.

Less chair time means less discomfort and a smoother experience, giving you the added benefit of a faster, more efficient orthodontic journey.

Clinical Procedure





スポーツマウスガードは次のステージへ

winpro

Sports Mouthguard

Bulit to Win. Made to Protect.



Smart design, patented protection - push your limits!

The Winpro Sports Mouthguard is built for ultimate comfort and performance.

Eliminating the bulkiness, gagging, and breathing issues common with traditional mouthguards.

Its patented design enhances protection while maximizing athletic performance, so you can move freely, play harder, and stay confident.





Wing-Shaped Design

Contours to the gums for a seamless fit and slimmer profile-less bulk, more comfort.



Box-Shaped Design

Covers only where needed to reduce bulk around molars for a lighter, better fit.



Sleek Design

Thinner where possible, stronger where needed for a sleeker, more comfortable mouthguard.



Lingual Arch Design

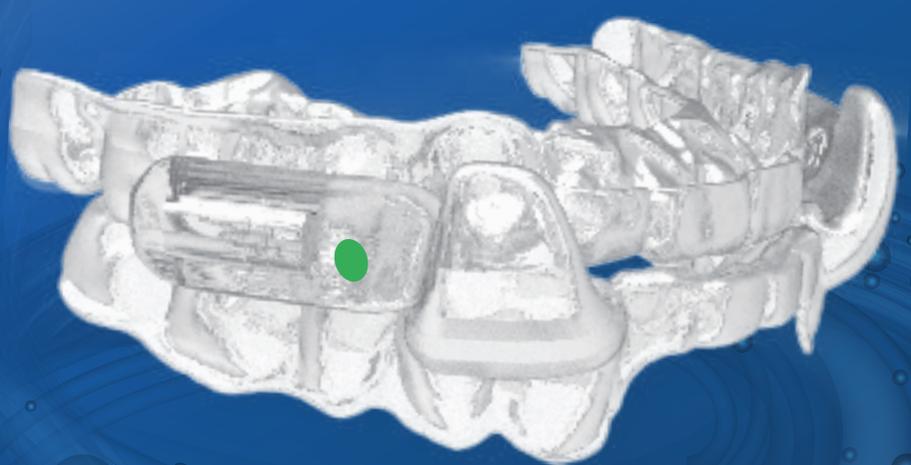
Shorter palatal coverage allows more space for the tongue, speech, and breathing.



- Prevents Injuries
- Absorbs Impact
- Protects Teeth
- Improves Focus
- Enhances Performance
- Reduces Risk of Concussions

Backed by test results, Winpro Sports Mouthguard helps athletes boost explosive power, increase jump height, and improve muscle strength.

With superior protection and performance, Winpro lets you train harder, compete stronger, and play with confidence.



Qjnk

- Silent Retainer -

Two-Piece Structure

- Upper and lower arches designed separately for better comfort.
- Shark fin on the lower arch aligns precisely with the upper buccal slide-lock.
- Ensures correct jaw positioning while allowing natural movement.
- Patent pending.

Medical-Grade Resin

- Made with shape-memory medical polymer.
- Returns to original form with hot water for a perfect fit every time.





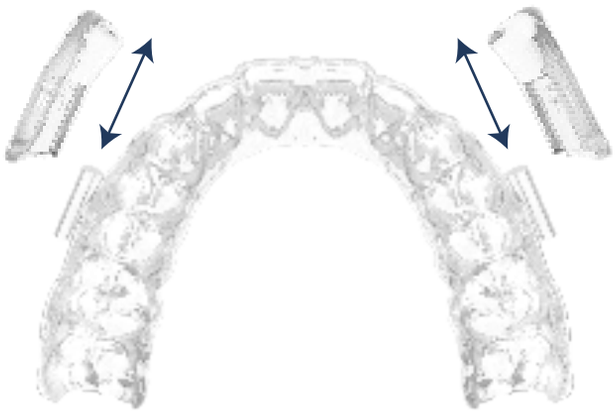
Ultra-Thin Design

Only 0.8 mm thick.
Lighter and easier to wear all day.



Lightweight Shark Fin Design

Strong yet minimal for everyday comfort.



New Slide-Lock System

- No special tools needed.
- Improves airflow and nighttime comfort.

Simple. Fast. Precise.



Intraoral scanning ▶ Digital design ▶ 3D printing with biomedical materials ▶ Rapid delivery ▶ Premium quality



BUCCAL TUBES & ATTACHMENTS

Easy Clip Hook & Stop

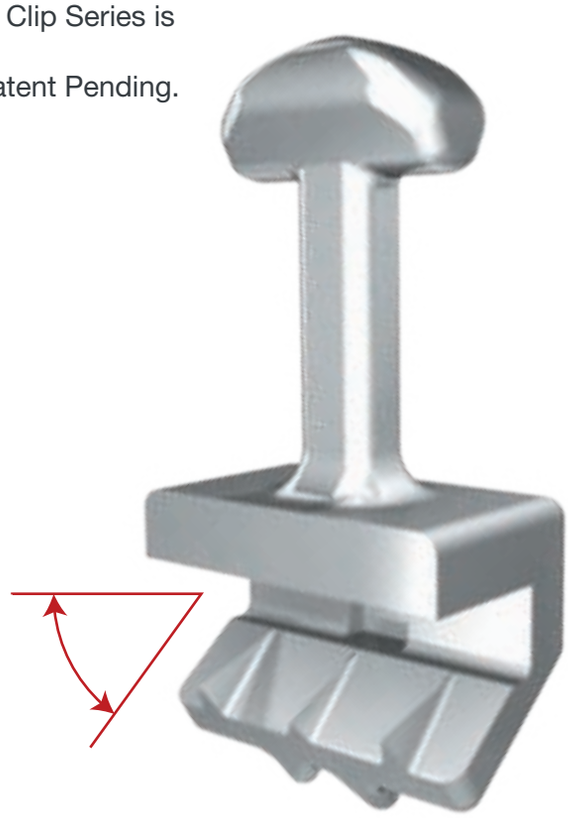
No Deformation in the NiTi or Stainless Steel Archwire

Comparing with hooks and stops in the market, MEM Easy Clip Series is stronger with precise dimension and detail.
Moreover, it provides a gentle force and a constant grip. Patent Pending.


Gentle Force Design


Quick Placement Design


Easy Positioning



Features

- V-notch design prevents rotation
- Smooth rounded edges improve patient comfort
- Big wide mouth allows quick and simple placement on an archwire
- Force-saving design reduces force required during placement
- Physically processed inner surface locks onto the archwire and prevents hooks and stops from sliding
- Micro Metal Injection Molding (MIM) for high dimensional accuracy and nano polishing for a super smooth surface

Easy Clip Hook & Stop

Packaging: 10 pcs / pack


Curved Hook (Left/ Right)


Ball Hook


Mushroom Hook


Stop

Easy Clip Hook Plier

MEM 802

Designed for MEM Easy Clip Hooks & Stop.
The slotted tip holds auxiliaries secure to provide 100% positive crimping.

Handle Length
130mm



▶ POINT









Buccal Tube

TUBA Buccal Tube

Bondable

1st molar
Slot: .018/.022
Prescription: Roth / McLaughlin, Bennet & Trevisi
Packaging: 10 pcs / pack

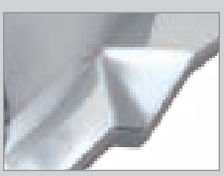


MEM's **TUBA** Buccal Tube is smaller than other buccal tubes in the market today.

Positioning guides, and color coded indents simplify treatment and reduce valuable chair time.


Funneled Entrance


Color Coded


Easy Positioning

Single Non-Convertible Tubes

Weldable Bondable

1st molar
2nd molar
Slot: .018/.022
Prescription: Roth / McLaughlin, Bennet & Trevisi / Edgewise
Packaging: 10 pcs / pack


1st molar


2nd molar

Single Convertible Tubes

Weldable Bondable

1st molar
Slot: .018/.022
Prescription: Roth / McLaughlin, Bennet & Trevisi / Edgewise
Packaging: 10 pcs / pack



Combination Convertible Tubes

Weldable | Bondable

1st molar
Slot: .018/.022
Prescription: Roth / McLaughlin, Bennet & Trevisi / Edgewise
Packaging: 10 pcs / pack



Double Rectangular Convertible Tubes

Weldable | Bondable

1st molar
Slot: .018/.022
Prescription: Roth / McLaughlin, Bennet & Trevisi / Edgewise
Packaging: 10 pcs / pack



Triple Convertible Tubes

Weldable

1st molar
Slot: .018/.022
Prescription: Roth / McLaughlin, Bennet & Trevisi / Edgewise
Packaging: 10 pcs / pack



Welding Service

		Torque	Distal Offset
Roth	Upper	-14°	10°
	Lower	-25°	4°
Edgewise	Upper	0°	0°
	Lower	0°	0°
McLaughlin, Bennet & Trevisi	Upper	-14°	10°
	Lower	-20°	0°
	Lower (2nd molar)	-10°	0°

Band

MOLA molar band

Packaging: 10 pcs / pack

U Series	Perimeter (mm)	
Size	Upper	Lower
28	27.5	28.0
28+	28.0	28.5
29	28.5	29.0
29+	29.0	29.5
30	29.5	30.0
30+	30.0	30.5
31	30.5	31.0
31+	31.0	31.5
32	31.5	32.0
32+	32.0	32.5
33	32.5	33.0
33+	33.0	33.5
34	33.5	34.0
34+	34.0	34.5
35	34.5	35.0
35+	35.0	35.5
36	35.5	36.0
36+	36.0	36.5
37	36.5	37.0
37+	37.0	37.5
38	37.5	38.0
38+	38.0	38.5
39	38.5	39.0
39+	39.0	39.5
40	39.5	40.0
40+	40.0	40.5
41	40.5	41.0
41+	41.0	41.5
42	41.5	42.0
42+	42.0	42.5
43	42.5	43.0
43+	43.0	43.5
44	43.5	44.0

G Series	Perimeter (mm)	
Size	Upper	Lower
1	29.75	29.75
2	30.50	30.50
3	31.25	31.25
4	31.75	31.75
5	32.25	32.25
6	32.75	32.75
7	33.50	33.40
8	34.00	33.90
9	34.50	34.30
10	34.90	34.70
11	35.30	35.10
12	35.70	35.40
13	36.10	35.75
14	36.50	36.10
15	36.90	36.40
16	37.30	36.80
17	37.70	37.20
18	38.10	37.60
19	38.40	38.00
20	38.70	38.40
21	39.10	38.80
22	39.50	39.20
23	39.90	39.60
24	40.30	40.00
25	40.70	40.40
26	41.10	40.80
27	41.50	41.20
28	41.90	41.75
29	42.30	42.50
30	42.70	43.25
31	43.10	44.00
32	43.50	44.50



Molar Cleat

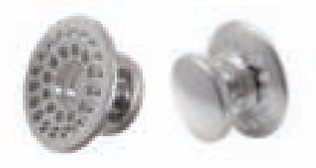
Packaging: 10 pcs / pack



Lingual Button

Packaging: 10 pcs / pack





Lingual Eyelets

Packaging: 10 pcs / pack

Direct Bond Eyelet



Rectangular



Round

Traction Hook



Rectangular



Round

Lingual Sheaths

Packaging: 10 pcs / pack



Weldable Lingual Cleat

Packaging: 10 pcs / pack



Lingual Sheaths with Mesial Ball Hook

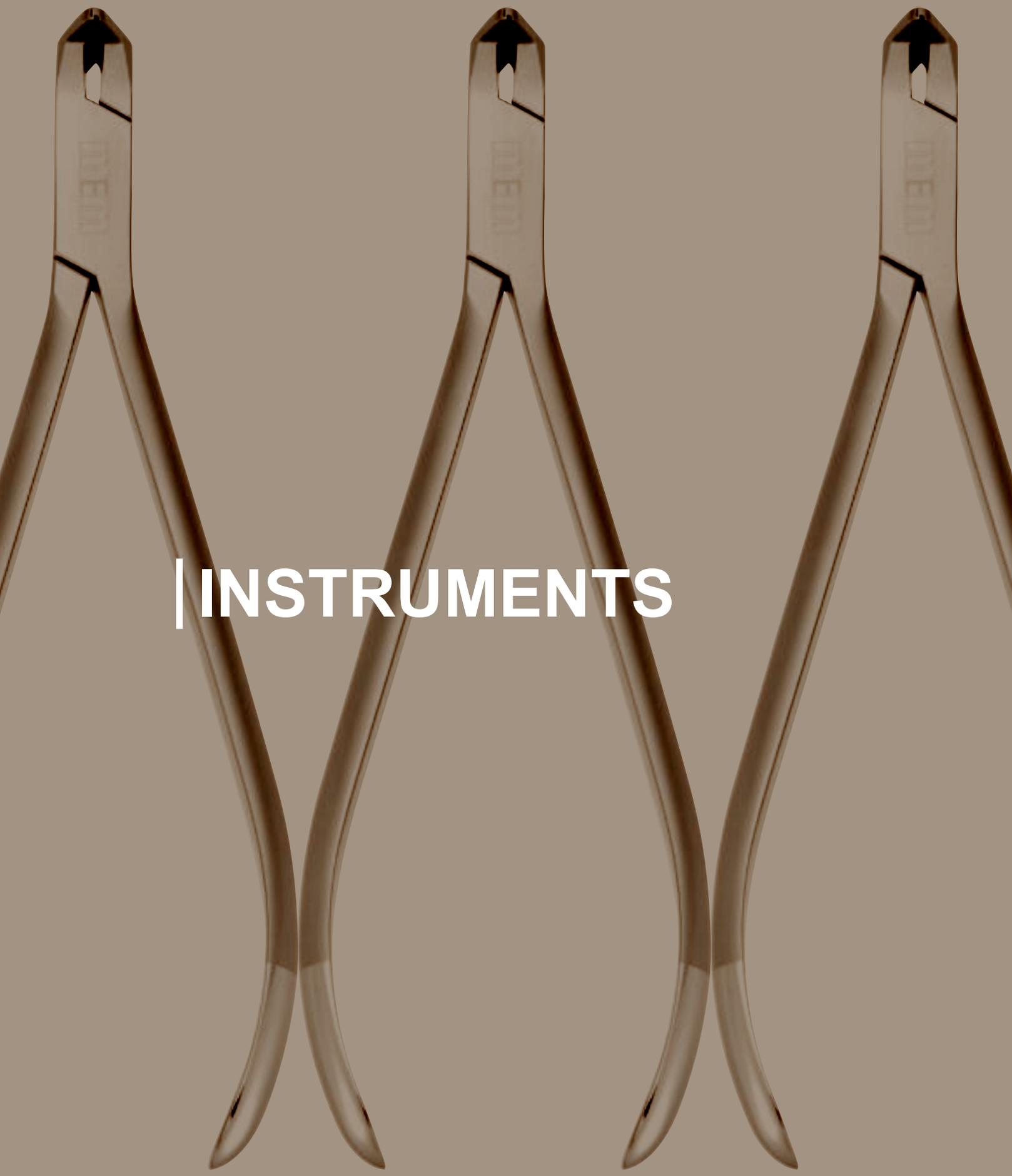
Packaging: 10 pcs / pack



Bondable Lingual Cleat

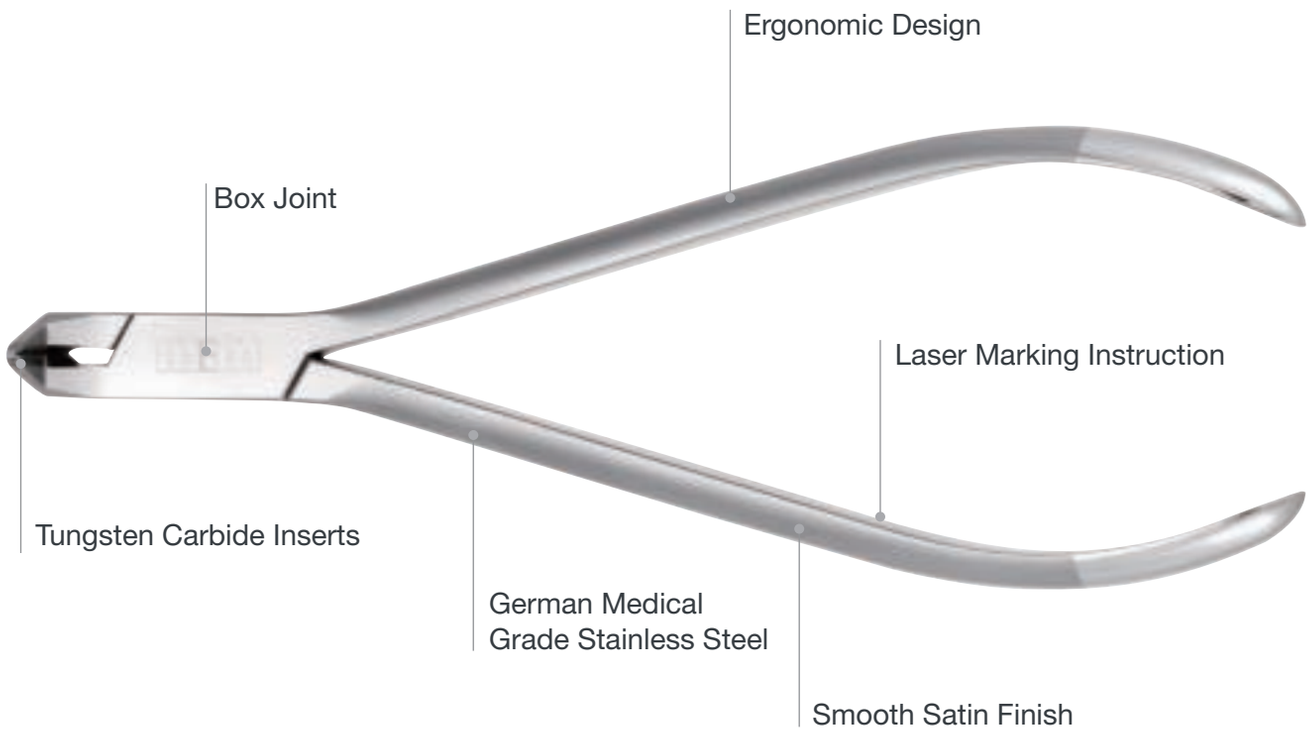
Packaging: 10 pcs / pack





INSTRUMENTS

CUTTER & PLIER



Features

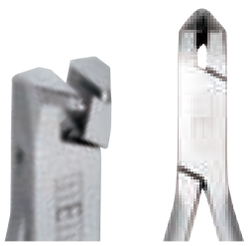
- Box joint hinges for durability and reliability.
- Smooth satin finish for a non-glare luster.
- Tungsten carbide inserts stay sharp without becoming brittle or discolored.
- Ergonomic design ensures maximum comfort and safety.
- Easy to clean - stands up to all sterilization methods.



CUTTER & PLIER
Cutting Instruments

MEM601
Distal End Safety Hold Cutter with T.C.

This instrument cuts wires close to the buccal tube and safely holds the distal end.



max.	min.	Handle Length
.022"x.025"	.014"	150mm

MEM602
Flush Cut Distal End Safety Hold Cutter with T.C.

This flush cut feature of this instrument allows the archwire to be cut flush with the end of the buccal tube eliminating the possibility of patient discomfort resulting from archwire protrusion.



max.	min.	Handle Length
.022"x.025"	.016"	130mm

MEM603
Mini Flush Cut Distal End Safety Hold Cutter with T.C.

This flush cut feature of this instrument allows the archwire to be cut flush with the end of the buccal tube eliminating the possibility of patient discomfort resulting from archwire protrusion.



max.	min.	Handle Length
.016"x.022"	.012"	130mm

MEM610
Ligature Cutter

This small narrow and sharp pointed tips allow easy access to the most difficult areas.



max.	Handle Length
.012"	120mm

MEM611
Pin Ligature Cutter 7 Degree Angle

Standard cutter with 7° angled tips to allow easy access and better visibility in difficult areas.



max.	Handle Length
.020"	130mm

MEM612
Ligature cutter with long handle

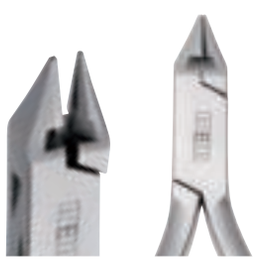
This small narrow and sharp pointed tips allow easy access to the most difficult areas.



max.	Handle Length
.012"	140mm

MEM620
Light Wire Plier with Cutter

This popular loop forming and bending plier with precise round and square tips bends archwires from .012˝ to .020˝.
Cutter at base of beaks cots archwires from .014˝ to .020˝.



max.	Handle Length
.020"	130mm



Wire Bending

MEM625
Bird Beak Plier

This popular loop forming and bending plier with precise round and square tips bends archwires up to .028".



max.	Handle Length
.028"	130mm

MEM805
Weingart Utility Plier with T.C.

Matching serrated tips hold wires firmly at a convenient working angle.
Carefully tapered beaks fit easily between brackets.



max.	Handle Length
.020"	140mm

MEM806
Small Weingart Utility Plier with T.C.

Matching serrated tips hold wires firmly at a convenient working angle.
Carefully tapered beaks fit easily between brackets and are rounded for safety and comfort.



max.	Handle Length
.028"	145mm

MEM811
Tweed Arch Forming Plier

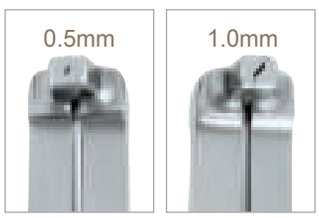
Designed for torquing and bending square or rectangular wires.



max.	Handle Length
.028"	130mm

MEM809/MEM810
Step Pliers

Double-sided offset beak permits bayonet bends on wires up to .021" x .025"



MEM809 MEM810

max.	Handle Length
.021"x.025"	140mm



MEM813
Three Jaw Plier

Precision aligned tips are gently rounded for consisent contouring and bending without damaging the archwire.



max.	Handle Length
.040"	125mm

MEM815
Hollow Chop Plier

Convex/Concave tips enable adjustment of all types of loops.



max.	Handle Length
.031"	140mm

MEM812
Tweed Loop Forming Plier

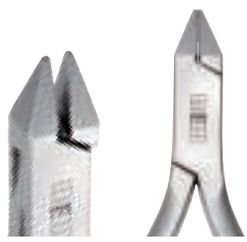
Ideal for making consistent uniform loops.
The tip has three sections of 1.2mm, 1.8mm and 2.0mm with matt finish to prevent wire slippage.



max.	Handle Length
.020"	135mm

MEM816
Adam Plier

Designed for torquing and bending square or rectangular wires.



max.	Handle Length
.028"	125mm

Wire Bending

MEM817
Adam Plier with T.C.

Tungsten Carbide inserts providing longevity and wear resistance. Excellent for holding wire whilst in use.

max.	Handle Length
.040"	140mm



MEM818
Young Plier

Ideal for making consistent uniform loops. The tip has three sections of 1.5mm, 2.8mm and 4.0mm with matt finish to prevent wire slippage.

max.	Handle Length
.028"	135mm



MEM819
Nance Loop Forming Pliers

Four steps allow precision forming of 3.0-6.0mm loops.

max.	Handle Length
.028"	130mm



MEM820
V Bend Pliers

Places a V-Bend in archwires, including nickel titanium, to prevent the archwire from traveling.

max.	Handle Length
.021"x.025"	130mm





MEM833
Distal Cinch Back Plier

The serrated tips of this cinch back hold the wire securely while bending the wire 90°distal to the buccal tube, avoiding patient discomfort.

max.	Handle Length
.018"	155mm





MEM861
Smaha

Fine tips but strong enough for inserting archwires. Excellent for placing elastomeric ligatures.

Handle Length
140mm





MEM862
Mathieu Needle Holder with T.C.

Sturdy, rounded tips designed for twisting ligature wire. Tungsten Carbide tips.

Handle Length
140mm





MEM873/MEM874
Torquing Plier Set

The torquing plier set allow the accurate placement of torque to square/rectangular archwire. Both male and female parts have hard wearing Tungsten Tips.

max.	Handle Length
.022"x.025"	125mm



MEM873 MEM874



Utility Pliers

MEM801
Crimpable Hook Plier

Designed for surgical ball hooks and auxiliaries.
The slotted tip holds auxiliaries secure to provide for positive crimping.

Handle Length
135mm



MEM802
Easy Clip Plier

Designed for MEM Easy Clip Hooks & Stop.
The slotted tip holds auxiliaries secure to provide 100% positive crimping.

Handle Length
130mm



MEM821
Direct Bond Remover (Straight)

Sharp tips wedge between the edges of the bracket base and tooth surface to remove direct bond brackets safely and comfortably.

Handle Length
135mm



MEM822
Direct Bond Remover (Angled)

Same design as MEM821 except the 60˚ angle allows easier access in difficult to reach posterior brackets.

Handle Length
135mm



MEM825
How Utility Plier (Straight)

A versatile utility plier with a long tapered tips. The 3/32" diameter tips are serrated to prevent slippage.
The tips are rounded for patient comfort and safety.

max.	Handle Length
.028"	145mm



MEM826
How Utility Plier (Angled)

This strong but fine tipped utility plier allows excellent access in difficult to reach areas.

max.	Handle Length
.028"	140mm



MEM828
Posterior Band Remover Plier

The plastic pad rests on the occlusal surface of the molar which places the removing tip in the perfect position to catch the gingival edge of the band.

Handle Length
140mm



MEM831
Adhesive Removing Plier

Vinyl tube rests on the occlusal surface of the tooth ensuring no discomfort to the patient while the sharp metal tip removes adhesive from the labial surface with ease.

Handle Length
140mm



MEM311

Ligature Director & Explorer



Length
177mm

MEM312

Band Pusher & Explorer



Length
175mm

NOTES

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