Great Ortho

make Ortho Great again

ADITEK
ORTHODONTICS

PRODUCT CATALOG

ADITEK
ORTHODONTICS

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Great Ortho

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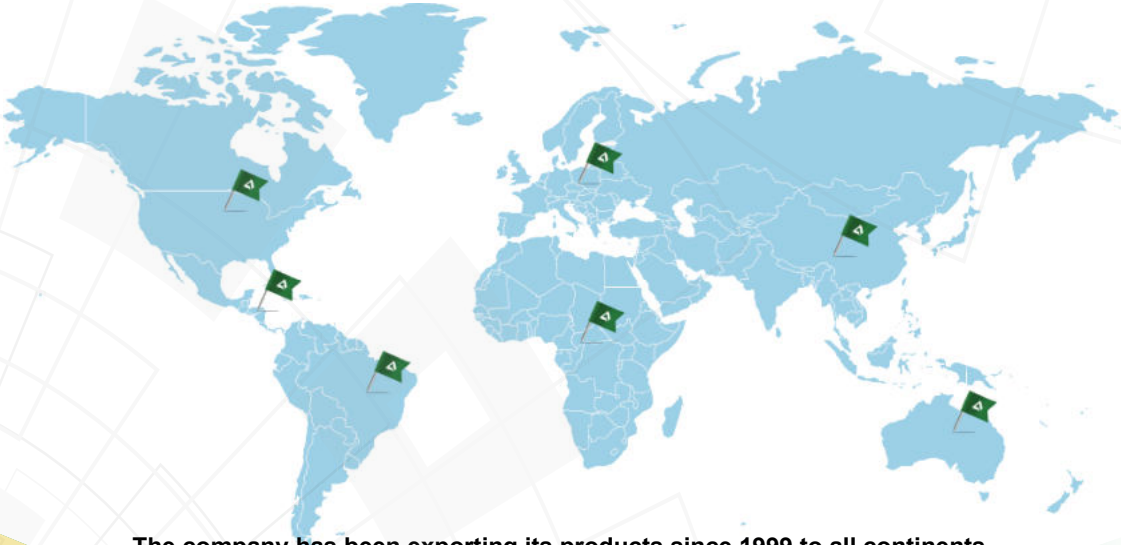
SINCE 1990

Since 1990 Aditek has innovated the world of orthodontic market with high-tech products and processes. Today the company is recognized as one of the leading orthodontic products manufacturer worldwide, exporting a significant part of its production to all continents.

Established in Cravinhos, São Paulo, Brazil, the company has 20.000 m^2 of state of the art manufacturing facility.

Aditek offers a complete range of orthodontic solutions. From brackets, archwires, bonds and buccal tubes, our products carry all international quality certifications standards based on GMO Anvisa, CE, ISO 13485 and FDA.

By prioritazing researches and product development of technically advanced products, Aditek has conquered the orthodontic market. From patented self-ligating bracket systems to digital orthodontics we have the precision engineered tools you need to achieve sucess. Recognition and trust acquired in more than 26 years of hard work and commitment are consequences of our goal: **to generate value for life quality development and innovative solutions in the health care business.**



The company has been exporting its products since 1999 to all continents.
Today, 50% of its production is destined for the foreign market.

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Innovating Smiles Since 1990

Technology, research and development

All the technological research work developed by Aditek throughout its existence, has made the company a reference center for universities around the world.

Always in tune with the international market, the company seeks constant renewal by investing part of its revenue into the acquisition of the latest generation equipment, manufactured in Germany, Switzerland and Italy.

All parts produced are inspected, ensuring the production of quality orthodontic material.

Aditek complies with strict quality standards.

FDA ISO 13485 CE 1304

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Innovating Smiles Since 1990

ADITEK was founded in 1990 by two orthodontists with the purpose to innovate the brazilian orthodontic market by supplying quality products to a fast pace growing specialty.

ADITEK was a pioneer in manufacturing several products in Brazil, such as:

- Nitinol orthodontic archwires in 1994.
- Stainless Steel preformed archwires in 1995.
- Stainless Steel looped archwires in 1995.
- 1st company to set up a tool shop to make moulds for injection molding in 1996.
- Micro cast buccal tubes and brackets in 1996.
- TMA looped archwires in 2000.
- One piece brackets in 2002.
- 1st company to offer the complete line of bracket prescriptions in 2004
- 1st company to apply for a self-ligating bracket patent in the USA in 2008.
- 1st company to launch a Passive self-ligating bracket system in 2008.
- 1st to launch an Interactive self-ligating bracket system in 2012.
- 1st to launch the self-ligating bracket Bi-Dimensional technique in 2013.
- 1st to launch an interactive Digital Platform for Orthodontics in 2014.
- EasyClip+ is the first winner in the Dentistry category of the Inova Saúde Award in 2016.

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VECTOR®

Bracket System

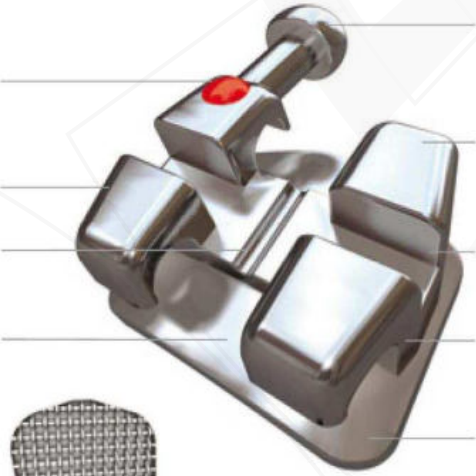
Identification System
By quadrant with a removable color coded dot and permanently by a recessed I.D. mark

Micro-Cast Bracket Body
For precise slot dimensions

Permanent Vertical Scribe Line
Facilitates more accurate bracket placement on the long axis

Ample Under Tie-Wing Area
The ideal profile for fast, easy, and secure ligation

As Much as 50% Higher Bond Strength
When compared to brackets with 100 gauge mesh pads[1]



Fully Integrated Ball Hooks
Facilitates easy and secure engagement of elastics
No extra charge for ball hooks

Manufactured From High Quality 17-4 Stainless Steel
Unsurpassed bracket body strength

Torque-In-Base Design
Delivers level slot line-up in final treatment phase

Palladium Alloy Brazing
For superior bracket-to-base bond strength

80 Gauge Foil Mesh Bonding Base
Ensures maximum bond strength

AVAILABLE IN ROTH AND MBT PRESCRIPTIONS

VECTOR®

Bracket System

The high grade of resistance and the use of the stainless surgery suspender 17-4 allows us to reduce the size of the brackets up to 30%. This eliminates the wall and the bigger parts of the pieces.

- Synchronized medium line with a long clinic axle.
- Treatment to facilitate placement.
- Permanent Identification Code Hook is fully integrated to the part.
- Rounded wings for the comfort of the patient.
- High quality coating will assure the perfect union of the pieces.
- Accuracy in the slot dimension and in-out movement Accurate space under the wings for the ligature and auxiliaries. - Torque in the base with compound radius for perfect tooth attachment

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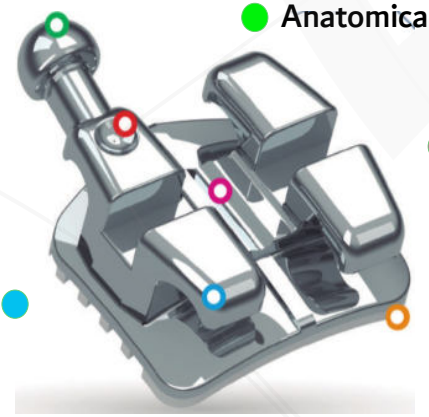
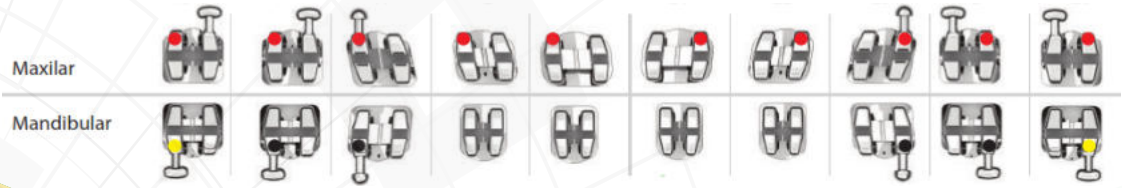
NEW VECTOR+

TECHNOLOGY OF PURE DESIGN



- Anatomically shaped hooks
- Permanent ID marking
- Permanent midline marking for accurate positioning
- Highly polished and rounded corners for patient comfort
- Single piece bracket body undercuts on the base for reliable adhesion



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NEW VECTOR+
TECHNOLOGY OF PURE DESIGN

MAIN FEATURES

Single piece bracket (mono-block). Manufactured in 17-4 ph surgical stainless steel by MIM process

- Lower pre-molar with offset in the base.
- Integral base: eliminate any possibility of separation between the base and slot, without loss of benefits of the original prescription.
- Compact design, slot with lower friction coefficient, eliminating 80 % of contact between the brackets and arch-wires, reducing the time for flatness and alignment with rotational control.
- Drawing developed by cad of latest generation.
- Harmony between the orthodontist function and comfort to the patient in all levels.

AVAILABLE IN ROTH AND
MBT PRESCRIPTIONS

1 and 10 cases

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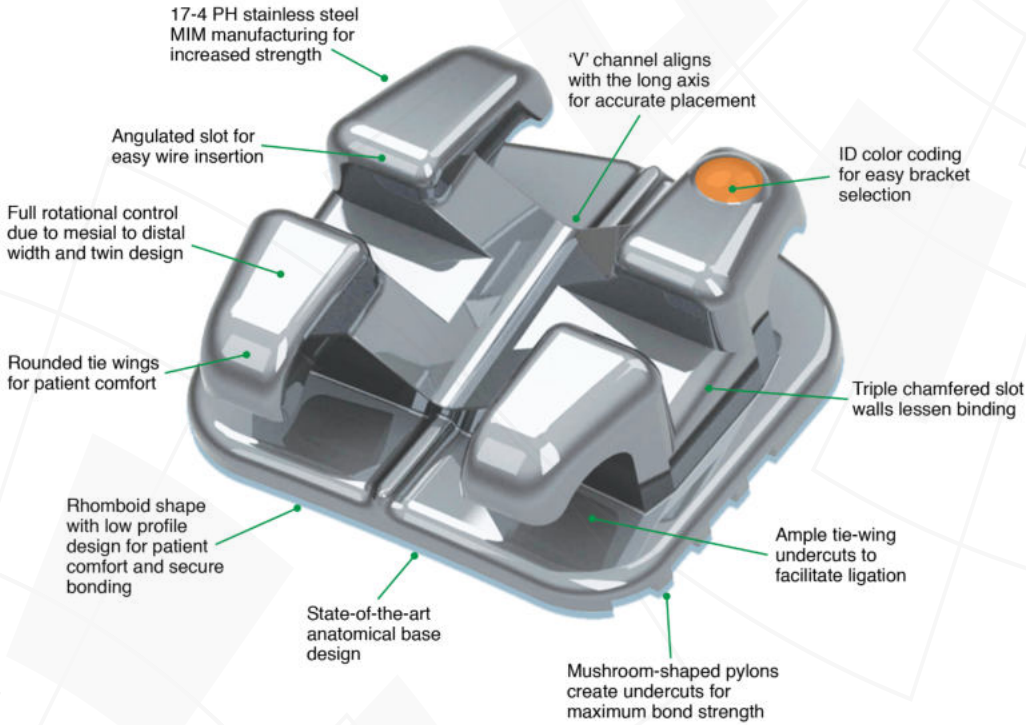
BioMax®

Bracket System



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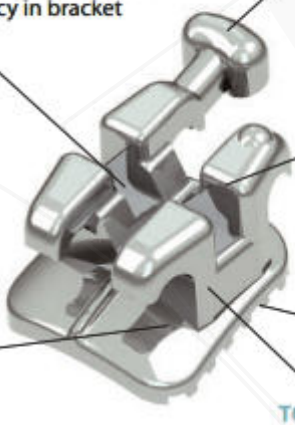
BioMax®

Bracket System

PERMANET MIDLINE
Aligned with the long axis of the clinical crown, for greater accuracy in bracket gluing.

INTEGRATED HOOK
in the piece with anatomical rounded format.



CHAMFERED SLOT
facilitating the archwire placement, eliminating corners in the lip surface, improving the comfort to the patient.

UNDER AREA IN THE EXPANDED WINGS
The incisal wall of the bracket is angled, facilitating the placement of multiple ligatures, bracing and auxiliary.

ANATOMICAL BASE
for better adaptation to the tooth.

TORQUE IN THE BASE
reduces the bracket profile height, improving the adaptation to the tooth and comfort to the patient It allows the alignment of the slot in the final phase of treatment, which minimizes and usually eliminates additional archwire adjustments.

MICRO BLASTED BASE
Maximizes mechanical retention, providing greater adhesion strength.

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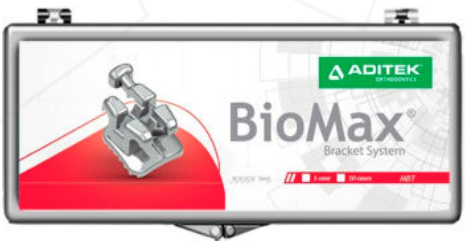
MAIN FEATURES

Single piece bracket (mono-block). Manufactured in 17-4 ph surgical stainless steel by MIM process

- Lower pre-molar with offset in the base.
- Integral base: eliminate any possibility of separation between the base and slot, without loss of benefits of the original prescription.
- Compact design, slot with lower friction coefficient, eliminating 80 % of contact between the brackets and arch-wires, reducing the time for flatness and alignment with rotational control.
- Allows to use nickel titanium rectangular arch-wires in initial stages of treatment, enabling the torque control.
- Drawing developed by cad of latest generation.
- Harmony between the orthodontist function and comfort to the patient in all levels.
- Mini twin size.

AVAILABLE IN ROTH AND
MBT PRESCRIPTIONS



1 and 10 cases

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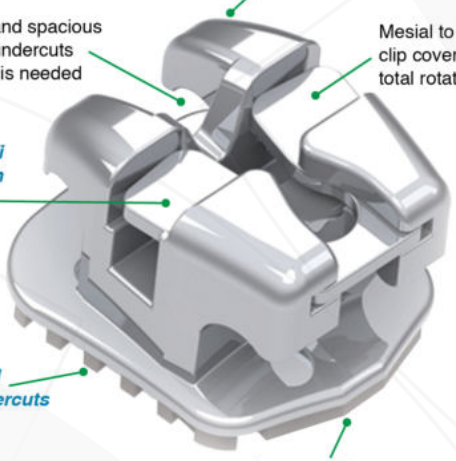
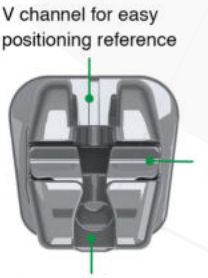
EasyClip+®

2nd Generation

Self-Ligating System

Passive / Interactive





- THE LOWEST PROFILE SELF-LIGATING IN THE MARKET
- SINTERED BRACKET WITH MIM TECHNOLOGY
- HIGH ADHESIVE RESISTANCE

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2nd Generation

Self-Ligating System

Passive / Interactive

FEATURES

- NON REMOVABLE NiTi CLIP
- No special tools to open and close the clip
- Anotomical base
- Total M-D slot width coverage by clip
- Total rotational control
- "V" channel for easy bonding positioning
- Made in single body by MIM Technology (Metal Injection Molding)
- Lowest profile on the market
- Highly polished and rounded corners for patient comfort
- Higher bond strenght with mushroom shape bonding base
- Available in .022 Slot in the prescriptions: Damon* Low, Damon* Standard, Damon* Super Torque, Roth and MBT
- Available in .018 Slot, Roth and MBT

*Damon is a registered of Ormco Corporation.

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EasyClip+®

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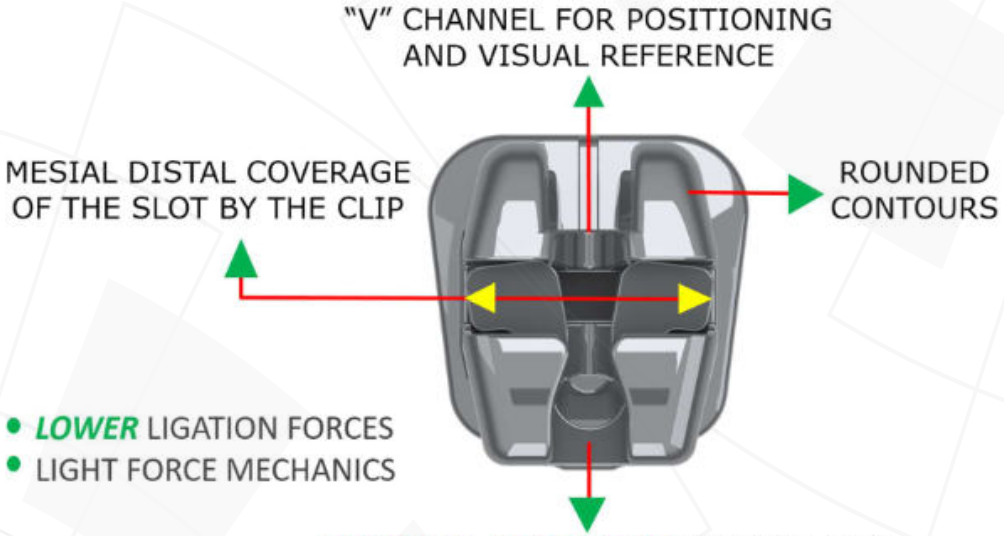
Self-Ligating System

Passive / Interactive

Intelligent design for maximum reliability and comfort

Value priced for practice profitability



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2nd Generation

Self-Ligating System

Passive / Interactive

EASY OPENING

1. Insert the instrument (explorer) into the clip hole, located below the slot.

2. To open the clip, turn the instrument gently 45° down. Also you can open the clip by pulling it (gently). Insert the instrument inside the clip hole and pull it vertically and parallel to the lower fins of the bracket.

SAFE LOCK

1. Place one of the tweezer tips on the upper fins of the brackets and place the other tip below the clip.

2. Press the tweezer vertically. The first "clic" unlocks the clip from the lower fin. The second "clic", stronger, will lock the clip between the fins, closing the slot.

FEATURES / BENEFITS

- Lowest profile on the market
- Thermal NiTi Clip / Planar design for easy opening and secure engagement
- Allows orthodontists full control from start to finish
- More comfortable for patients
- Reduces friction and improves sliding mechanics
- Fewer patient visits compared to traditional brackets
- Open mini twin design for easy positioning reference and maximum patient hygiene

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Self-Ligating System

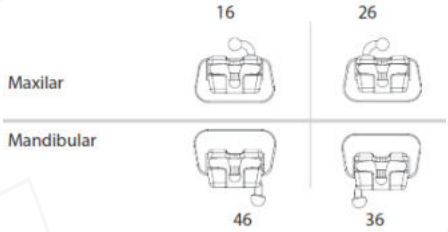
Passive / Interactive

ONE SYSTEM

Passive Self-Ligating Brackets • Archwires • Passive Self-Ligating Tubes

Self-Ligating Archwires System

Passive Self-Ligating Buccal Tubes



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Self-Ligating System

Passive / Interactive

EasyClip+ Versus the Competition

- Lowest SLB Profile when compared to Damon Q, Carriere, In-Ovation, and BioQuik.
- Unlike Damon Q and Carriere, our Bracket Gates cover the entire width of the slot.
- Lever action 'Instant Clip' makes changing archwires easy and efficient.
- Offers a complete archwire system with all options of material composition.
- Systems choices allow doctors to determine the degree of control needed.

Self Ligating Bracket System
US Patent 8,414,292
Dr. Lopes, Alexandre Gallo

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2nd Generation

Self-Ligating System

Passive / Interactive

Multiple Applications • Improved Clinical Management • Faster Results

KEY ADVANTAGES

- Innovative chairside system reduces time and costs associated with changing archwires and appliances
- Longer time intervals between visits
- Well-defined Archwire Sequencing Protocols
- A complete archwire system with 'Force Modules' specifically calibrated for Self-Ligating Brackets
- Physiologically and mechanically advantageous 'Light Forces'

What is in the box:

4 cases 5x5 EasyClip+ Self ligating brackets
1 C tweezer
1 Explorer
10 units 3 mm Stops
10 units 2 mm Stops
10 units Ball Hooks
4 Contour NiTi archwire sequences
8 Archwires total
.014, .018, .014x.025, .017x.025
(upper and lower Universal shape)

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Complete line of orthodontic tubes

- Micro cast in medical grade stainless steel 316L, with low nickel content.
- Torque-In-Base design for superior fit and greater contact surface area for improved retention.
- 80 Gauge Mesh Pad for improved adhesion.
- Smooth and rounded hooks for maximum patient comfort.
- Large funneled entrance with notch as guide for wire insertion.
- Lowest possible profile to optimize patient comfort without hindering the precision and control needed for case completion.
- Available as direct bond or weldable.
- Available in different types of mesh pad bases with compound radius to better adapt to the anatomy of the teeth.

BONDABLE BASES

ANATOMIC
5mm x 3mm

LONG
7mm x 2,8mm

SMALL
4,3mm x 3mm

BIG FOOT
8mm x 3,5mm

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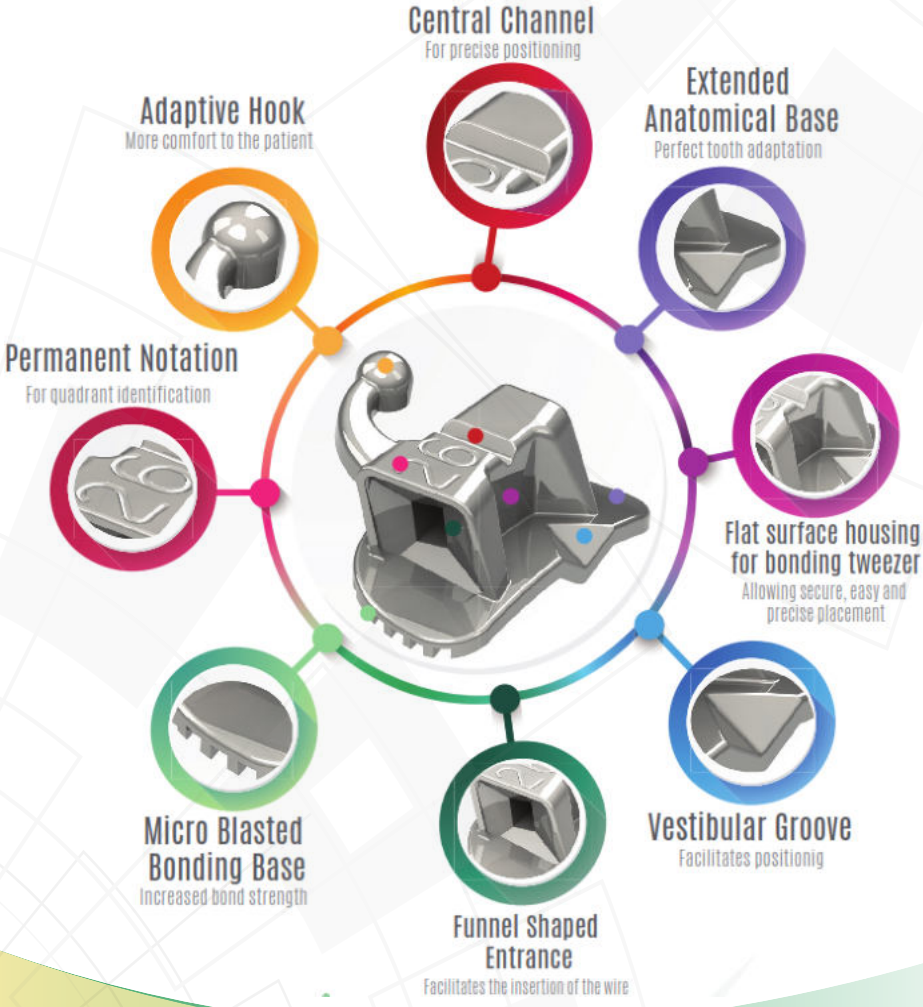
BioComfort® TUBE

Comfort and Design Applied to the metal

Advanced bonding base with optimum fit.



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Innovative Design

Greater comfort with rounded edges and hooks.

BioComfort®
TUBE
Comfort and Design Applied to the metal

Innovative **TECHNOLOGY** and **DESIGN**
EASY insertion of the archwires.

Upper and lower vestibular groove

True shape of upper and lower molar vestibular grooves to avoid occlusal interference and facilitate optimal positioning of the tube on the tooth surface.

Exclusive geometry of bonding base

Larger surface with **perfect adaptation**, increasing bonding strength.

Reliable bonding: single piece tube body design.

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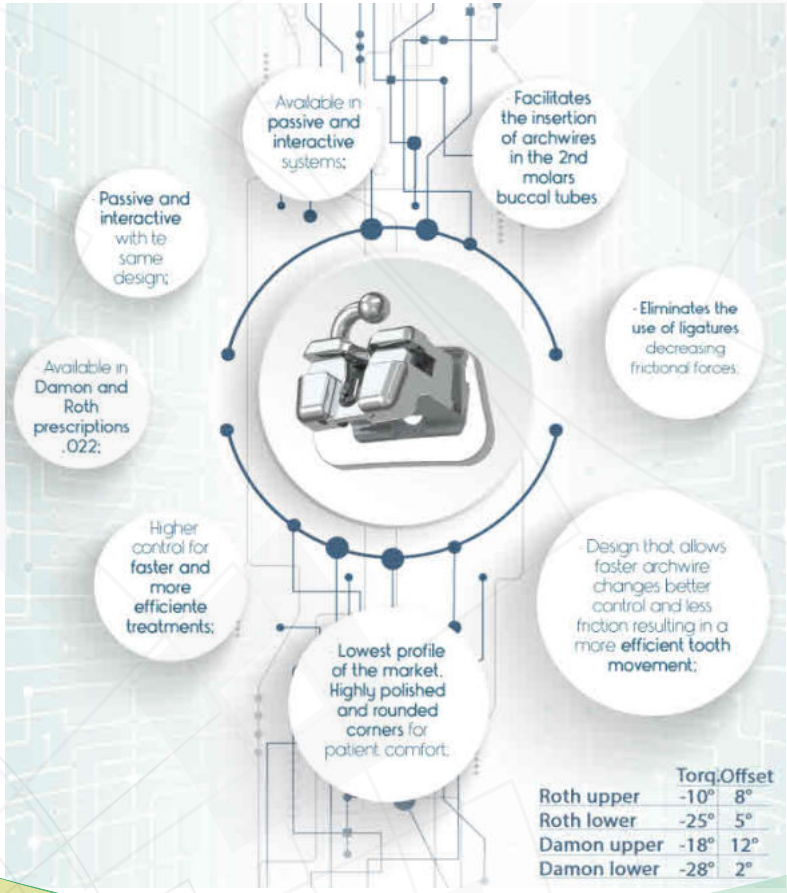
Self ligating buccal tube.

PASSIVE

INTERACTIVE



	Torq.	Offset
Roth upper	-10°	8°
Roth lower	-25°	5°
Damon upper	-18°	12°
Damon lower	-28°	2°

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MOLAR BANDS

PRECISE ANATOMICAL FORMAT
for perfect adaptation to the tooth on the upper quadrants, inferior left and right

INTERIOR OF MICRO BLASTED BANDS
to improve the retention

DIFFERENTIAL VESTIBULAR AND LINGUAL HEIGHT
to facilitate the tubes and auxiliary welding

LASER MARKING IN ALL BANDS

Laser marking bands with stable format allowing several tests.
Anatomical format facilitates the adaptation and micro blasted interior provides a precise adaptation.

- Anatomical contour
- Surgical stainless steel
- External mirrored extern finishing and micro blasted interior
- Balance between hardness and malleability
- Available in 32 sizes

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MOLAR BANDS

The bands are easy to manage which allows for easy and precise positioning. The Vector bands' anatomic design conforms to the patient's tooth after placement. The bands' upper final treatment preserves the integrity of the tooth's enamel. These bands come in a large range of sizes allowing the orthodontist to choose the correct band. The occlusal and gingival edges are free of sharp edges, so the tooth will not be damaged. The internal surface of the bands is etched for easy bonding to the tooth. The external surface of the band is well polished and smooth, which eliminates the possibility of plaque. Each band is laser marked with the size and quadrant, which makes them easy to identify. **The bands run from size 28 to 44.**

- Anatomical contour for better adaptation to teeth
- Surgical Stainless Steels
- Anatomical format facilitate the adaption and micro blasted interior provide a precise adaption
- Polished outer surface preventing plaque retention
- Laser ID marking bands whit stable format allowing various tests.
- Mirrored extern finishing and micro blasted interiorBalance between hardness and malleability

Great Ortho

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Complete line of orthodontic archwires

- NiTi, Stainless Steel and Titanium Molybdenum
- Highly polished surface finish archwires with brightness, elasticity and resistance
- Cuper NiTi with biologically consistent forces
- Available with BioSlide low friction surface

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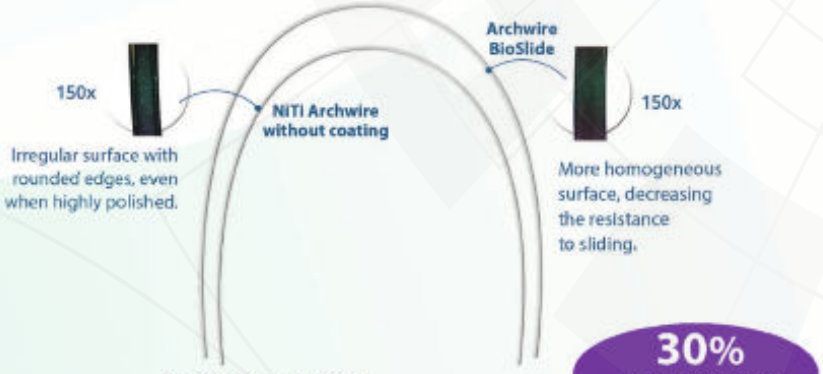
BioSlide

Lower friction archwire with special coating



Available materials:

- NiTi SE
- Thermal NiTi
- Thermal Contour NiTi
- Thermal Cuper NiTi

30% LESS FRICTION

Lower friction equates to faster results!

Our BioSlide Nickel titanium wire produces 30% less friction between bracket and wire than traditional Nickel Titanium Wire! The ultra-smooth, hard black surface allows your customers to get to the finishing stage sooner by provides better sliding mechanics in early and mid-stage treatment. The shiny, black surface is nearly indistinguishable from regular NiTi in the mouth. Zero Friction Nickel Titanium wire is the choice for a Doctor's Superelastic needs.

- Reduce sliding friction by 30%.
- Our highest force NiTi wire offering.
- Excellent resiliency.
- The ultra-smooth, hard black surface is an integral part of the NiTi wire. No coating to chip or flake.
- Similar in appearance to regular NiTi wires when in the mouth.

More economical than other friction-reducing arch wires on the market.
Available in Natural form and Damon Form.

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CUPER NITI

The archwire system for extraordinary results

- Transition temperature: 27ºC and 35º C
- Available in the following formats: Small Damon, Medium and Universal
- Manufactured with exclusive raw material imported from Japan

Copper Ni-Ti wires consist of nickel, titanium, copper and chromium.
The addition of copper to the alloy enhances the thermal-reactive properties of the wire. Our Copper Ni-Ti 35ºC. The higher temperature transition (TTR), the lower the relative forces obtained by the wire. The Copper Ni-Ti series will offer the force of choice and the wire size that will establish the case and treatment modality.

- Unloading (spring back) properties facilitate tooth movement.
- Due to the lower hysteresis of Copper Ni-Ti, the loading forces are smaller than their nickel titanium counterparts, making wire engagement in the bracket slot easier.
- A unique unloading profile applies continuous forces, even at very small deflections.
- More resistant to permanent deformation than other nickel-titanium wires.
- Batch-to-batch consistency, with a very precise temperature range, ensures true heat activation and consistent, predictable results.
- Easy to engage.

Copper Ni-Ti

The surface finish of the wires is smoother to maximize sliding characteristics.

35ºC Copper Ni-Ti

With its TTR close-to-mouth temperature, is soft at room temperature to facilitate engagement.
It falls within a very efficient force range when used in the larger round or all rectangular sizes.

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Thermal Nickel Titanium

Lowest forces, heat-activated.

A heat-activated (thermal) wire specifically designed for consistent A performance and low tooth-moving forces. Thermal NiTi wire provides outstanding resiliency and exhibits true thermal performance. Soft at room temperature and in the Doctor's hand. Thermal NiTi allows for easy ligation. Outstanding shape integrity.

- Square and Rectangle wire sizes provide low consistent tooth moving forces to address torque control early in treatment.
- Specially designed wire for consistent A performance.
- Soft at room temperature, very easy to ligate.
- Great resiliency.
- Slightly lower forces.
- Ideal for significant crowding cases.
- Gentle forces provide for greater patient comfort.
- Very responsive to chilling.

Superelastic Nickel Titanium

High flexibility and resiliency!

Along with low-friction, Superelastic (SE) wire rounds out the austenitic Nickel Titanium wire line. The moderate, consistent forces exhibited by SE wire provide a great avenue for early to mid-stage treatment. It provides slightly less force than our and is fully austenitic at room temperature. Due to its high flexibility and resilience, Superelastic wire recovers beautifully from bends and deformation of angles up to 45 grade and even up to 75 grade in some cases!

- Square and Rectangle wires offer ability to simultaneously level and add torque and rotation earlier in treatment.
- Moderate, consistent force over a long activation period.
- Excellent resiliency - A of 7.2 - 15.6 C.
- Responsive to chilling.
- Highly flexible.
- More efficient than Stainless Steel.
- Greater patient comfort than with Stainless Steel wires.

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T.M.A. (Titanium Molybdenum Aditek)

TMA wire is becoming **the wire of choice for mid-through finishing stages of treatment**. This **nickel-free wire** offers **twice the elastic movement of stainless steel, while maintaining like formability**. With lower bend force levels than stainless steel, it provides more comfort for the patient as well as ease of use by the clinician.
Its formability is ideal for chairside placement of loops and bends for space closure, tipping, or focused tooth movement. Lengths are perfect for fabrication of auxiliary arches, retainer and palatal appliances, as well as devices requiring intricate bends or loops.

- A far more efficient wire than stainless steel, with twice the tooth-moving distance at the same force level!
- Ni-free! Eliminates nickel-sensitivity concerns during later stage use of larger wires and longer time periods.
- More patient friendly: Bend Force values between NiTi and SS.
- Excellent cold-forming properties – comparable with SS.

Aesthetic Teflon Coated

Introducing a new polymer coated Tooth-Colored wire system. Manufactured in both NiTi and Stainless Steel extremely durable and does not change the dimension of the wire. Wire sequencing can remain unchanged since force values and performance is the same as non-coated wires.

Tooth-colored arch wire is ink midline (black upper, red lower) for symmetrical identification. After arch wire placement, rub midline gently with a cotton swab dipped in isopropyl alcohol - this will remove the majority of ink.

- No dimensional change.
- Durability - flake resistant.
- Full dimensional expression of wire properties.

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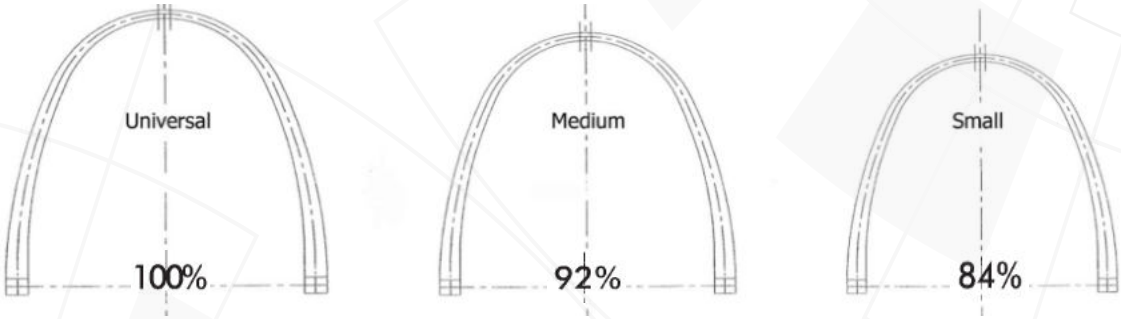
Complete line of archwires for self-ligating system

Contour NiTi / Copper NiTi / Stainless Steel / Titanium Molybdenum Damon Form*



Contour Thermal Nitinol 35° Self Ligating

The Contour NiTi arch wire system was specially calibrated in a force module to accommodate the use of self-ligating passive brackets.

For better clinic results and the efficiency of the movements in the different stages of the arch sequence, the Contour NiTi Arch wires represent an important key component of the Easy Clip+ System.

The combination of the different formats, materials and force module is going to stimulate the biological response.

A minimum force will create an uninterrupted vascular supply in the periodontal area during the teeth movements.

The patience comfort and safety are guaranteed.

*Damon is a registered trademark of Ormco Corporation

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Stainless Steel Wire

Stainless-Steel products are made of medical grade stainless materials.
They have smooth surfaces, accurate forms and consistent forces to provide precise torque control.
Stainless Steel wire offerings include multiple strand options, which provide more flexibility and lighter forces.

Solid Wire

Round, Square and Rectangular arch wire are formed from high quality, high-luster Type SS wire.
Tight controls ensure consistent shape and flatness.
High tensile strength and high modulus of elasticity.

Coax (3 Strand)

These 3 Strand wires are made of equal sized Type SS wires into a single fine wire to provide moderate tooth-moving forces.
Stainless Steel 3 Strand wires are best for initial alignment and the finishing stages of treatment. Coax offers low to moderate forces and relatively good resiliency. Appropriate for use in early or late treatment.
This wire has a short activation time, as forces drop quickly as teeth move. They have a bright surface finish, moderate resiliency and are measurably better than Solid Stainless-Steel wire.

Braided

8-Braid wires are eight fine, equal-sized wires braided tightly. These wires are made of high quality Type SS wire and are available in square and rectangular sizes.
8-Braid Stainless Steel arch wires combine high resiliency and low tooth-moving forces. Best used for early and late treatment stages. Rectangular wires can be used for added torque control. These wires do not fray when cut and are great for aligning and for finishing.
Eight equal-sized Type SS braided into a tight matrix and rolled to the popular rectangular sizes to provide gentle tooth-moving forces for finishing stages. In general, these offer the lightest force of the Stainless-Steel wires.

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Retraction Arch Wires Stainless Steel

Key-Hole Loop and T-Looped are made Medical grade Stainless Steel wire consistent, gentle forces throughout treatment.

- Bendable. Smooth, polished surface.
- Less force and larger activation range.
- Gradual force decay.
- Treatment benefits include: space closure, control of root position of posterior teeth.
- Pre-formed loops and consistent force reduce chair time.
- Provides anterior intrusion/retraction.
- Anterior Loop spacing is measured from the center of loops.

Stainless Steel T-Looped 2 Loops

These arch-wires can provide multipurpose treatment and can achieve many intraoral objectives.

Stainless Steel Keyhole 2 and 4 Loops

These arch-wires can provide multipurpose treatment and can achieve many intraoral objectives.

The accurate placement and consistent shape of T-Looped and Keyhole Loops ensure your customers' great results!

Medical grade Stainless Steel wire. Bright, smooth, flat surfaces.

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.

Anterior Loop spacing is measured from the center of mesial loops and is available in 2 mm increments.

Reverse Curve of Spee

Available in NiTi Superelastic, RCS are carefully finished to ensure that the wire slides easily though the bracket slot and applies continuous force for ideal movement.

RCS can be used for bite correction or, with springs and elastomeric, for retraction. RCS wires provide light to moderate, constant forces.

These wires are flexible and exhibit excellent resiliency. The gentle forces remain consistent throughout placement and are noticeably more comfortable for the patient. The superb flexibility reduces the chance of debonding brackets.

The moderate radius exerts ideal force for correction of severe curve of spee cases.

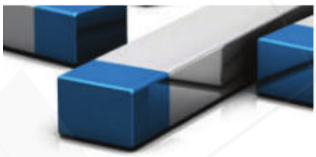
- **Bite opening or closing.**
- **Initial leveling and aligning.**
- **Arch consolidation and expansion.**
- **Deep and open bite correction.**
- **Retraction of flared, protruding incisors.**

Elgiloy

Elgiloy is initially the softest of the tempers. It can be welded with low heat, and soldered without embrittling.

Elgiloy is recommended when the wire to be used is over .020" (0.508 mm) or when the wire requires considerable bending, welding or soldering.

Excellent for edgewise arches, lingual arches, retainers and removable.



Standard Face bows

In bright stainless steel.

Universal size.

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Great Ortho

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