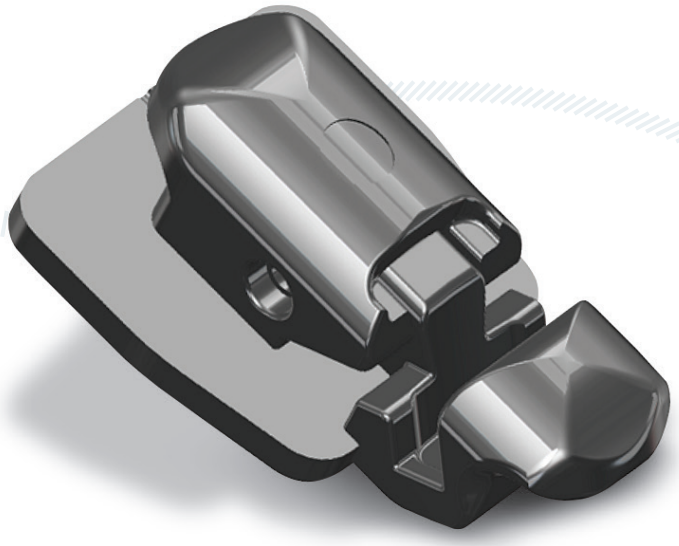
Ormco™ | AOA

Your Practice. Our Priority.

ALIAS™

LINGUAL STRAIGHTWIRE BRACKET SYSTEM

Designed with Drs. Kyoto Takemoto and Giuseppe Scuzzo



THE WORLD'S FIRST SELF-LIGATING SQUARE SLOT BRACKET

Simplicity | Efficiency | Comfort

INTRODUCING ALIAS, the world's first passive self-ligating square slot lingual bracket.

Developed through collaboration with world-renowned lingual leaders, Drs. Kyoto Takemoto and Giuseppe Scuzzo, Alias offers an aesthetic alternative to labial brackets or aligners, but with the efficiency of straight-wire mechanics. Alias' unique square slot allows for optimized movement and the small interbracket distances make the aligning stage easier. While also offering a bracket that is easier to bond, especially on small, malocclucded incisors, Alias encompasses the design features that make lingual orthodontics easier and more efficient.

ALIAS™
LINGUAL STRAIGHTWIRE BRACKET SYSTEM
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Virtually Invisible Alternative to Aligners

Aesthetic treatment that is practically undetectable.

Alias provides patients with a discreet treatment option that is virtually invisible and effortless for them.

With the increasing number of adults and teens seeking aesthetic options for orthodontic treatment, ALIAS Lingual Straight Wire offers the advantage of aesthetics without the compromise and compliance required with aligners. The combined efficiencies of Straight Wire and passive self-ligation allows you to achieve the results you want at a pace that keeps your patients smiling.

DESIGNED WITH DRS. KYOTO TAKEMOTO AND GIUSEPPE SCUZZO

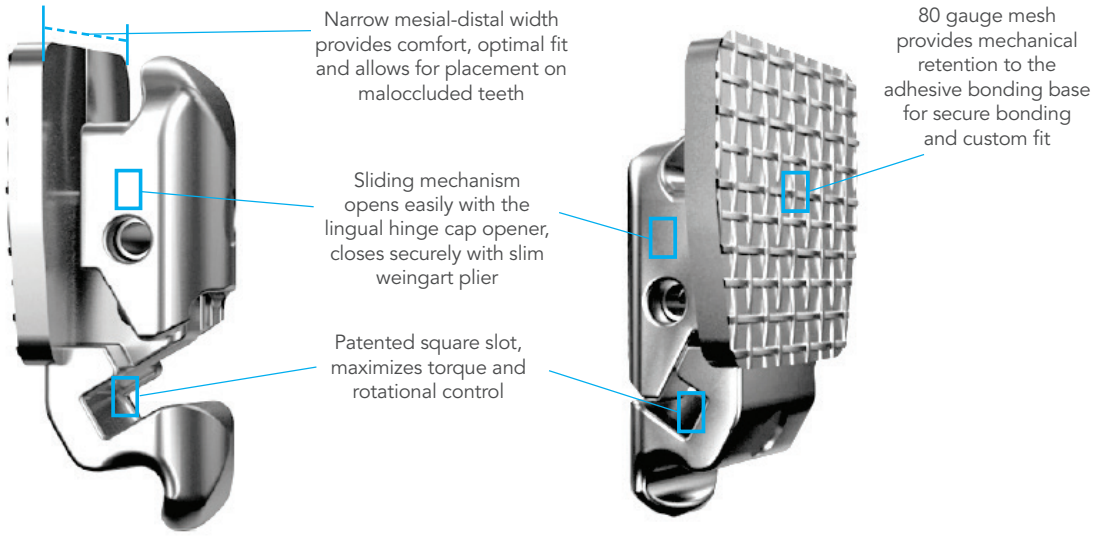
Dr. Kyoto Takemoto

Dr. Kyoto Takemoto graduated in 1979 from the Tokyo Dental College, with his specialty in Orthodontics in 1981 from Tokyo Medical-Dental University. As an EBO and WBLO diplomate, Dr. Takemoto is a world leader in lingual orthodontics, an active principle in multiple global lingual orthodontic societies and was the former president and the founding director of the World Board of Lingual Orthodontics and World Society of Lingual Orthodontics. He holds numerous global patents in lingual orthodontics and has pioneered the advancement of the Lingual Straight Wire method. In addition to his renowned research and teaching, Dr. Takemoto has a private practice in Japan, where he practices lingual orthodontics exclusively.

Dr. Giuseppe Scuzzo

Dr. Giuseppe Scuzzo graduated in medicine in 1983 from Rome University, specialized in dentistry in 1987, (Rome University,) and orthodontics at Ferrara University. He is adjunct professor in the lingual technique at Ferrara University and Compultense University, Madrid. Also an EBO and WBLO diplomate, Dr. Scuzzo holds several lingual bracket patents and was former president and founding director of the World Board of Lingual Orthodontics and the World Society of Lingual Orthodontics. Drs. Scuzzo and Takemoto have authored three international books on lingual orthodontics that have been translated into six languages for worldwide use. In addition to directing multiple international lingual programs, Dr. Scuzzo has a private practice limited to lingual orthodontics in Rome, Italy.

BRACKET FEATURES



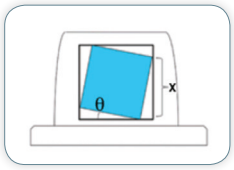
The Alias lingual bracket system was designed for patient comfort and clinical performance. Rounded contours and a low profile provide comfort, and the small bracket design ensures optimal fit and ease of placement.

Compare the size of Alias to other lingual brackets on the market*

*Innovation L is a registered trademark of Dentsply/GAC. Incognito is a trademarked product of 3M. eBrace is a product of Riton Biomaterial Co., Ltd. STb is a trademarked product of Ormco. Harmony is a product of American Orthodontics. Alias is a trademarked product of Ormco. Image courtesy of Drs. Takemoto and Scuzzo.

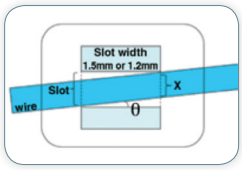
.018 X .018 SQUARE ARCHWIRE SLOT

The patented .018 x .018 square passive self-ligating slot and enhanced Straight Wire sliding mechanics improve torque and rotational control. Lingual brackets using the .018 x .025 slot have more play, thus less torque control, versus Alias.*



3rd-order play between square and rectangular slots and different sizes of archwires.

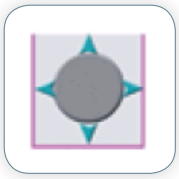
Square slot	.016" x .016" wire	.017" x .017" wire	.0175" x .0175" wire
.018" x .018"	~7–8° play	~3–4° play	~1–2° play
Rectangular slot	**.016" x .022" wire**	**.017" x .022" wire**	**.017" x .025" wire**
.018" x .025"	~5–6° play	~2–3° play	~2–3° play



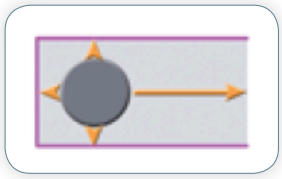
2nd-order play between STb SL Square Slot lingual brackets* with .018"x .018"square slots and different sizes of archwires.

Upper Anterior	.016" x .016" wire	.017" x .017" wire	.0175" x .0175" wire
.018" x .018" (1.5mm wide)	~1–2° play	~0–1° play	~0–1° play
Lower Anterior	**.016" x .016" wire**	**.017" x .017" wire**	**.0175" x .0175" wire**
.018" x .018" (1.2mm wide)	~2–3° play	~1–2° play	~0–1° play

Square slot
.018" x .018" slot



Rectangular slot
.018" x .025" slot



With both round and square wires:
Tipping control: square slot = rectangular slot
Rotation control: square slot superior to rectangular slot

Alias square slot means maximum torque expression and rotational control.

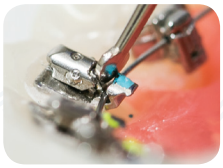
SPRING PIN ENHANCES OPENING AND CLOSING

Alias bracket's spring pin has been designed for easy opening during wire placement while also providing a snap-fit closure for secure wire ligation.

* G. Scuzzo, MD, DDS, K. Takemoto, DDS, PHD, Y. Takemoto, DDS, G. Scuzzo, DDS, L. Lombardo, DDS. "A New Self-Ligating Lingual Bracket with Square Slots", *Journal of Clinical Orthodontics*, Volume XLV, No. 12 (2011): 682 - 683.

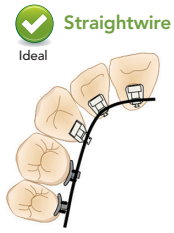
SIMPLICITY

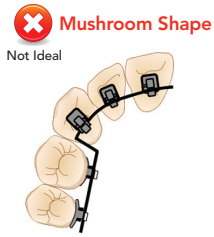
- **Easy open and close** - Self-ligating slide makes archwire changes faster and easier.
- **Custom indirect bonding setup** - AOA Lab creates custom setups,making bracket placement fast, simple and accurate.
- **Streamlined inventory** - Single-patient kits to suit preferences and treatments needs.



EFFICIENCY

- **Passive self-ligating mechanics** - Alias is designed to minimize friction while producing light, continuous orthodontic forces that allow the teeth to move more smoothly.
- **Enhanced sliding mechanics** - Straight Wire shape facilitates easier sliding.
- **Simplified finishing bends** - Lingual wire replicates the labial Straight Wire arch form, making wire bends intuitive.
- **Enhanced rotational and torque control** - Patented .018 x .018 square slot provides optimal control and results.





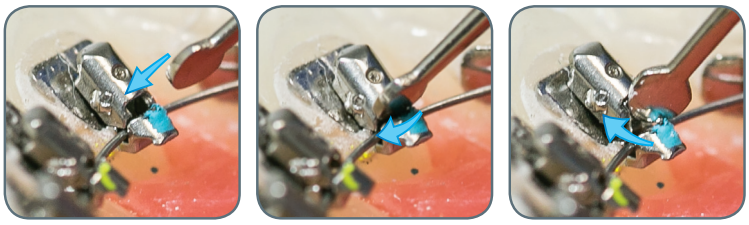
COMFORT

- **Enhanced patient comfort** - Designed with low bracket profiles and rounded contours.

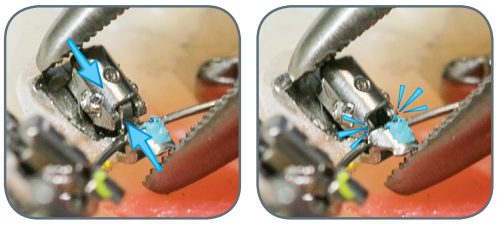
SIMPLIFIED WIRE CHANGES AND OPENING/CLOSING

The Lingual Hinge Cap Opener and Slim Weingart instruments facilitate easy and fast wire changes.

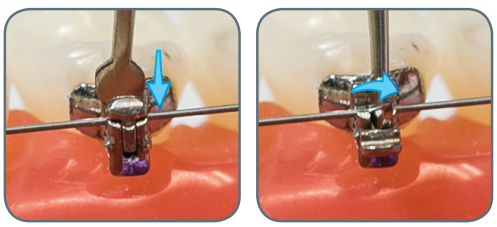
ANTERIOR | OPEN



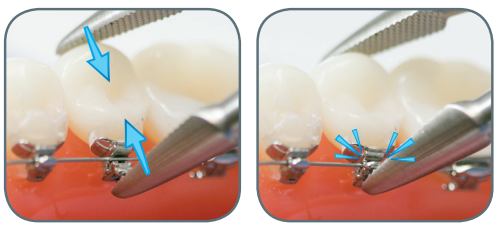
ANTERIOR | CLOSE



POSTERIOR | OPEN



POSTERIOR | CLOSE



GENERAL PROTOCOLS AND **ARCHWIRE SEQUENCE** PROVIDED BY DRS. TAKEMOTO AND SCUZZO*

OPEN COIL SPRINGS To resolve rotations when teeth are too crowded and bracket placement isn't possible, place an open coil spring 1.3x – 1.4x the interbracket distance to help open the space.

BUCCAL ATTACHMENTS A variety of clear buccal attachments may be used to enhance buccal leveling, using inter-maxillary elastics, and for creating space.

BITE TURBOS/BITE BLOCKS As with labial treatment, the patient's bite may create a bracket to tooth interference. With lingual treatment, it is common after initial bonding for the lower anterior edge to contact the upper anterior bracket(s). Temporary resin fillings (bite turbos/bite blocks) should be placed to prevent this.

WIRE SEQUENCE

NON-EXTRACTION CASES

Initial Leveling	
Archwire	**Objective**
.013 CuNiTi	For severe crowing
Option: .014 CuNiTi	For moderate crowding

Completing Leveling and Rotational Control	
Archwire	**Objective**
.016 CuNiTi	Complete leveling and alignment including rotation correction; partial arch form stabilization
.016 x .016 CuNiTi	Initial torque leveling and arch form stabilization

Torque and Arch Form Control	
Archwire	**Objective**
.018 x .018 CuNiTi	Complete torque leveling and arch form stabilization

Finishing or Detailing	
Archwire	**Objective**
.0175 x .0175 TMA	If necessary for torque refinements and/or final detailing
Option: .016 TMA	Final detailing
.018 x .018 SS	Control width of both U&L arches in cases with initial width discrepancy

EXTRACTION CASES

Initial Leveling	
Archwire	**Objective**
.013 CuNiTi	For severe crowing
Option: .014 CuNiTi	For moderate crowding

Completing Leveling and Rotational Control	
Archwire	**Objective**
.016 CuNiTi	Complete leveling and alignment including rotation correction; partial arch form stabilization
.016 x .016 CuNiTi	Initial torque leveling and arch form stabilization

Torque and Arch Form Control	
Archwire	**Objective**
.018 x .018 CuNiTi	Complete torque leveling and arch form stabilization
.0175 x .0175 TMA	Torque establishment

Space Closure
017x .017 SS or .018x.018 SS (if full torque control is needed with reduced posterior wire size for sliding)
Option: .016x.016 SS (if there is no need for torque control)

Finishing or Detailing	
Archwire	**Objective**
.0175 x .0175 TMA	If necessary for torque refinements and/or final detailing
Option: .016 TMA	Final detailing
.018 x .018 SS	Control width of both U&L arches in cases with initial width discrepancy

Note: .018 x .018 archwires may fit snuggly due to normal manufacturing tolerances.

* These are general protocols provided by Drs. Takemoto and Scuzzo, who also recommend providing a detailed and highly individualized treatment plan. Ormco is a medical device manufacturer and does not dispense clinical advice.

SINGLE PATIENT KITS AND ARCHWIRE PACKS

Order single patient kits and packs of archwires through Ormco.
Contact your Ormco representative at **800.854.1741**.

Ormco™

SINGLE PATIENT KIT

	Part Number
Single Patient Kit, Upper/Lower 7-7	740-0430

ARCHWIRES – PACKS OF 10

Initial Leveling	Part Number
.013 CuNiTi: for severe crowding	
Straight Wire CuNiTi .013 Dia Sm Pk10	204-2101
Straight Wire CuNiTi .013 Dia Med Pk10	204-2102
Straight Wire CuNiTi .013 Dia Lg Pk10	204-2103
014 CuNiTi: for moderate crowding	
Straight Wire CuNiTi .014 Dia Sm Pk10	204-2131
Straight Wire CuNiTi .014 Dia Med Pk10	204-2132
Straight Wire CuNiTi .014 Dia Lg Pk10	204-2133

Completing Leveling and Rotational Control	Part Number
.016 CuNiTi	
Straight Wire CuNiTi .016 Dia Sm Pk10	204-2111
Straight Wire CuNiTi .016 Dia Med Pk10	204-2112
Straight Wire CuNiTi .016 Dia Lg Pk10	204-2113
016 x 016 CuNiTi	
Straight Wire CuNiTi .016 X .016 Sm Pk10	204-2121
Straight Wire CuNiTi .016 X .016 Med Pk10	204-2122
Straight Wire CuNiTi .016 X .016 Lg Pk10	204-2123

Torque and Arch Form Control	Part Number
.018 x .018 CuNiTi	
Straight Wire CuNiTi .018 X .018 Sm Pk10	204-2141
Straight Wire CuNiTi .018 X .018 Med Pk10	204-2142
Straight Wire CuNiTi .018 X .018 Lg Pk10	204-2143

Finishing or Detailing	Part Number
.0175 x .0175 TMA	
Straight Wire TMA .0175 X .0175 Sm Pk10	204-2211
Straight Wire TMA .0175 X .0175 Med Pk10	204-2212
Straight Wire TMA .0175 X .0175 Lg Pk10	204-2213
.016 x .016 SS	
Straight Wire SST .016 X .016 Sm Pk10	204-2321
Straight Wire SST .016 X .016 Med Pk10	204-2322
Straight Wire SST .016 X .016 Lg Pk10	204-2323

Space Closure for Extraction Cases	Part Number
.017 x .017 SST	
Straight Wire SST .017 X .017 Sm Pk10	204-2331
Straight Wire SST .017 X .017 Med Pk10	204-2332
Straight Wire SST .017 X .017 Lg Pk10	204-2333
.018 x .018 SST	
Straight Wire SST .018 X .018 Sm Pk10	204-2301
Straight Wire SST .018 X .018 Med Pk10	204-2302
Straight Wire SST .018 X .018 Lg Pk10	204-2303

Instruments	Part Number
Slim Weingart Plier	803-0601
Lingual Hinge-cap Opener	802-1001

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LINGUAL STRAIGHTWIRE BRACKET SYSTEM
Designed with Drs. Kyoto Takemoto and Giuseppe Scuzzo

ALL INCLUSIVE PATIENT KITS WITH INDIRECT BONDING SETUP*

AOA Lab

AOA Lab can prepare your ALIAS patient set up for easy and convenient indirect bonding (IDB). Bracket placement accuracy is optimized with our C.L.A.S.S system which follows your RX, and incorporates a custom composite base, which ensures the bracket base perfectly matches each tooth's anatomy. Our experienced technicians use the Straight Wire template and the highest quality adhesive products to prepare the tray for placement in your office on bonding day.

- Decrease bonding time and improve bracket placement[1]
- Full 7X7 U/L available
- Full assortment of ALIAS brackets and wires on hand at AOA
- Soft tray holds brackets with a rigid outer tray to ensure stability and easy placement

INDIRECT BONDING QUICK GUIDE

1)	Prep patient as normal
2)	Prep bracket bases in IDB tray with Enlight LV (or similar)
3)	Etch, Rinse, Dry teeth
4)	Apply Ortho Solo (or similar) to enamel
5)	Cure if desired, following manufacturer's adhesive recommendation
6)	Place tray and cure each bracket per manufacturer's instructions (rec. 10 sec)
7)	Remove tray, cure each bracket again (rec. 10 sec)

[1]John. H. Hickham, D. M. (1993). Predictable Indirect Bonding. Journal of Clinical Orthodontics, 215-218.

CURRENT AOA CUSTOMERS:

- Download the Lingual Straight Wire prescription form at **aoaaccess.com/downloads**.
- **Physical models:**
  – Send the Rx form, and PVS impression to AOA Lab.
- **Digital models:**
  – When sending an impression from an approved scan file, ensure patient's name and scanner type is included on the Rx. Then simply submit your prescription form following the protocol of your scanner.

CONTACT YOUR SALES REPRESENTATIVE TO ORDER TODAY! 800.854.1741

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070-5035 Rev.A