

PRODUCT CATALOG 2015

Discover the adenta-world

25 years - around the globe
research - design - manufacturing - distribution





Welcome to adenta

Inspired by orthodontist...engineered by adenta

For over 25 years our main focus was to go where others believed was not possible. Our goal to provide you with orthodontic products that create new innovative breakthroughs could not be achieved alone. We listened and collaborated with orthodontists just like you. Our engineers and orthodontists worked side by side - dream appliances became reality - problems have been solved. The world of orthodontics now reaches new levels of control, precision, and efficiency, with truly orthodontist inspired products that you can rely on for optimum results.

1949 - founded by Mr. Wolfram Schendell, specialized in automobile and medical parts

1969 - introduced aeronautics

1989 - specialized in orthodontics | adenta Germany | www.adenta.com

1995 - established adenta USA | www.adentausa.com

2013 - established adenta Spain | www.adentaspain.com

Head Office - Established 1949

Wolfram Schendell
Founder
[1st Generation]



Claus Schendell
Owner & CEO
[2nd Generation]



Julia Schendell
Director Sales & Marketing
[3rd Generation]



USA Office - Established 1995

Lorraine Porto
President adenta USA





*The SMART INNOVATION symbol is awarded to our innovators from around the world, who work side-by-side with our engineers to make their dream appliances a reality. Together we explore smart solutions to old problems, increase precision, control, efficiency and invent new systems that makes you say:
...why didn't I think of that!*



Dr. Winfried Schütz

HYCON™ DEVICE

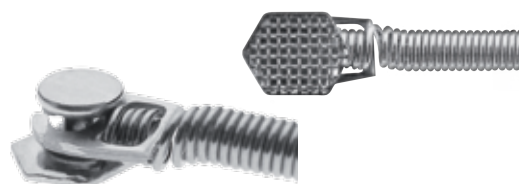
for fast precise space closure



Dr. Michael Schubert

EASY-WAY-COIL™

spring system for effective alignment of impacted teeth



Dr. Heinz Winsauer

FLEX DEVELOPER™

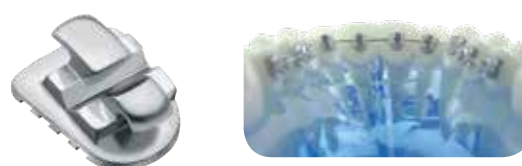
unbreakable Class II correction device



Dr. Hatto Loidl

JOY™

Low profile lingual bracket system





Prof. Dr. Martin Baxmann

BMT™

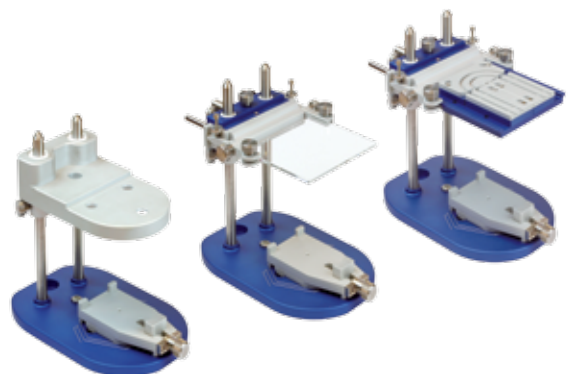
the new generation of Class II
correction



Dr. Pablo Echarri

LAB TEC™ SYSTEMS

Model Maker
Set-Up Model Maker
Occlusal Plane Reference
Surgical Model Accuracy Device
Accurate Bracket Positioner



THE ADENTA HERITAGE

adenta's story started with my Grandfather Wolfram Schendell, who started this company more than 60 years ago based just outside of Munich, Germany. We started out specializing in medical and technical parts, and over the years these innovative and precise techniques have been passed down from father to son and now from father to daughter. I strive to maintain the vision and morals my grandfather and father started out with - their ability to listen and learn from orthodontic innovators - their obsessive attention to precision and quality, and their ability to honor those in our community with secure, fruitful careers. The task of letting the world enjoy these smart precise products lies in my hands - New catalogs are packed with fresh new ideas - user friendly websites have been developed for our customers' convenience and new distributors have joined the adenta team,

to help spread the word fast and efficiently around the world. I take great pride in knowing that 3 generations built this company and I strive to walk in the steps of those before me. We are adenta, we as a family are

**BRINGING GERMAN
ENGINEERING
TO ORTHODONTICS**



Claus Schendell

Claus Schendell
Owner & CEO

Julia Schendell

Julia Schendell
Director of Sales & Marketing

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MIM

Molded Brackets the ordinary method

creating the
following clinical
DISADVANTAGES.

Affecting stability

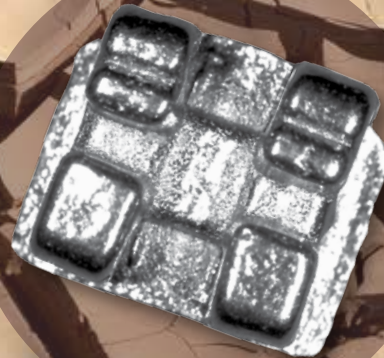
due to remaining
residuals of wax and
polymers in the
finished product

+/-20% slot size tolerance

due to the
difficult control of
the shrinking
process

Rough surfaces

facilitate the
accumulation of plaque
and development of
micro corrosion



**[You only have to look closer
to see the differences!]**

CNC

Milled Brackets
the extraordinary method

providing you with
numerous clinical
ADVANTAGES.

HighEnd stability

custom-cuts made
from pure solid
stainless steel

Dimensional
tolerances in a
thousandths of an inch
achieve a slot accuracy
smaller than a human
hair with outstanding
bonding strength and
less failure rates

Absolute smooth
satin finish
prevents accumulation
of plaque and
eliminates
micro-corrosion



**Seeing is
believing.**

MADE IN GERMANY.

FLAIR SLT™ Bracket - the softer side of braces

FLAIR SLT™ The almighty non-locking flexible clip - fulfilling all the requirements for optimal ligation for the ultimate in control, efficiency and results.

Ensure full bracket engagement of the archwire

A flexible spring clip gently and without loss of power pushes the arch wire to the slot base. This type of efficiency ensures effective rotation and torque control allowing earlier archwire changes and less visit frequency

Quick and easy to use

No complicated instrument is needed to operate the spring clip, it requires very little force to open or close, our doctors report fast archwire changes, and this simple operation requires a minimal learning curve for doctors and staff

Easy identification

Permanent laser marking

Secure robust ligation

Secure, reliable ligation that can withstand the rigors of full orthodontic treatment, and provides the power for efficient tooth movement

Be comfortable for the patient

Very little force is needed to open and close the self-ligating clip and during treatment the clip gently pushes the archwire into the slot. Patients enjoy this softer touch during and after archwire changes

Assists in good oral hygiene

No hooks and a streamline design reduces the accumulation of plaque as the entire bracket can be used as a hook

Reducing undesirable forces

Passive with round wires producing nearly frictionless movement and active with wires starting at .016x.016 (1,2,3) and .016x.022 (4,5) puts you in control of treatment, creating efficiency and reducing undesirable, unpredictable and uncontrolled frictional forces

INTERESTING FACT

No need to learn a new archwire sequence with the FLAIR SLT™. Continue to use your own archwire sequence that you know to be successful for your patients.

The market is full of self-ligating brackets...so what makes this bracket different, and more successful than other self-ligating systems? The FLAIR SLT™ is the only non-locking flexible self-ligating clip available - all our clinical studies over the years lead us to this revolutionary conclusion, it was time to put our engineers to the challenge, difficult to engineer and manufacture but an absolute necessity to take self-ligation to the next level.



“ The FLAIR SLT™ flexible clip creates the ideal situation to produce the required criteria for ideal metabolism for efficient tooth movement. I experience fast, reliable and efficient tooth movement using lighter wires. Before this system, I would need to see my patients every 4 - 6 weeks for ligature changes to maintain steady progression, now I only see my patients every 8 weeks as this system has no loss of power. This reduction in chair-time and visits can save me and patients a total of 12 visits over the entire course of treatment, producing a significant improvement to my bottom line. I fondly call this bracket system, the Autobahn of treatment. ”

Dr. Loidl, Berlin, Germany



Bringing German Engineering to Orthodontics



Locking self-ligating clips vs. Flexible non-locking self-ligating clip - the challenge was on!

Locking self-ligating clips dominate the self-ligation market, however, over the past number of years research and clinical experiences have revealed a number of undesirable effects.....The challenge was to understand why this locking design was creating these undesirable effects and how should we design a clip to eliminate them.

DESIGN CHALLENGE - Understanding why locking clips create undesirable effects

Unacceptable forces

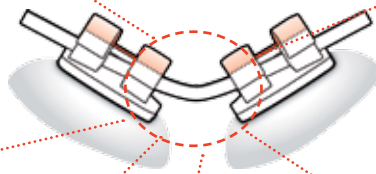
The need to force the arch wire to the bottom of the bracket slot just to close/lock the clip can create strong unacceptable forces. The ideal metabolic state is lost, treatment slows down and unhealthy damaging pressure could possibly be produced

Pain

Patients report pain and discomfort and require emergency visits after wire changes

Breakage and de-bonding issues

Clips can be easily damaged due to the necessity to push the archwire to the bottom of the slot to close the clip. This creates unacceptable force and can easily break clips and de-bond brackets



Increase in binding and notching

Wire deflection is increased as the clips hold the wire locked under a rigid wall. This angle permits the wire to touch and press against the locked clip, producing the undesired situation for binding, that ultimately creates a notched archwire

Undesired friction

When forces and angles are inappropriate for that stage of treatment, undesirable friction occurs. Tooth movement is uncontrolled, unpredictable and now force must be increased to overcome this friction for tooth movement

DESIGN SUCCESS - Understanding why a non-locking flexible clip eliminates undesirable effects

The ability to flex like an elastomeric and respond to the actual tooth position, produces the ideal metabolic state for safe and efficient tooth movement.

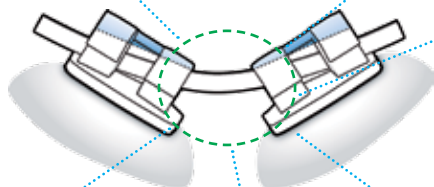


FLAIR SLT™

the softer side of braces

Reduction in friction

As the flexible clip does not need to be locked down, wire deflection is significantly reduced as binding is minimized and therefore forces are within the ideal range



Reduction in pain

Flexing with the malocclusion produces less friction and appropriate pressure - patients report significantly less pain during treatment

Ideal forces

Provides an active force of approx. 650 grams "power range", the ideal force required for the controlled pathology of Osteoclast and Osteoblast to be achieved. This ideal situation requires less force for tooth movement, lighter wires can be used and treatment progresses within a healthy range

Reduce binding - minimize notching

A flexing wall reduces the deflection on the archwire, the angle of the archwire is appropriate and pressure is ideal

No loss of power

Designed to actively flex and adjust to the actual tooth position mimicking an elastomeric but without losing the power needed to control treatment

Control of frictional forces during treatment

Findings suggest that self-ligating brackets are a great family of brackets that can generate different levels of force when coupled with thin, thick, rectangular or round archwires. At various stages in the orthodontic treatment we need frictional forces to be at a certain level. This situation occurs in the middle and end of treatment, when it is necessary to transfer an adequate torque. This is to say, whenever we need the most dental control possible.

In order to move teeth, frictional force is necessary - here we are referring to forces that we are controlling to make the movements we require.

Passive with smaller wires, producing nearly frictionless movement resulting in an efficiency increase in the leveling stage



Active with wires starting from .016x.016" (1-2-3) anterior zone and .016x.022" (4-5) bicuspid and molar zone - the bracket clip actively but gently guides the wire into the slot, creating early torque control and reducing treatment time by creating efficiency



The FLAIR™ self-ligating spring clip is engaged even if the wire does not fill the slot.

The importance of reducing binding and notching.

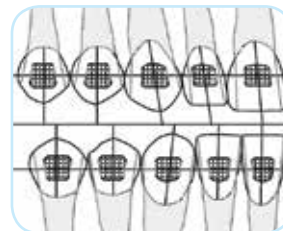
Binding and notching are well known for their resistance to sliding in orthodontics.

This was a key component during my design phase of the FLAIR SLT™. The self-ligating clip needed to flex to accommodate situations when the bracket to wire angle was at its most critical degree. This is seen predominately in highly rotated teeth. The challenge to design a clip that was strong enough to hold the ideal ligation without the need to lock the archwire into place. The FLAIR SLT™ flexes with the actual position of teeth, and is strong enough to hold the archwire even with a highly rotated situation without the need to lock the archwire into the slot. A highly rotated tooth can now be included earlier into treatment.



Easy to open, easy to close

The FLAIR™ self-ligating clip is designed to work like a spring, very little force is needed to open and close the bracket, creating optimum handling for the doctor and comfort for the patient.



Easy Positioning

The anatomical base allows for precise bonding, reducing the margin of error in positioning brackets.



- Clip opens with a flip gingivally
- Less off-bites with overbites
- Easy to open even with bad oral hygiene



Superior Bonding Strength

Micro-etched integral bonding base with mechanical undercuts for superior adhesive retention. Rated highest bond strength in clinical study. (S.K. Sharma-Sayal, University of Toronto, Ontario, Canada, 1999).



Built-in Over-Rotation Arch

No additional bracket bonding is necessary as the built in rotation arch of the adenta FLAIR SLT™ self-ligating clip allows to directly over-rotate a tooth with a heat-activated adenta THERMADENT™ archwire .012".



Ultra low IN/OUT

As a unique milled truly one-piece bracket the FLAIR SLT™ bracket is characterized by a remarkable proximity of the archwire to the point of force application.

FLAIR SLT™ BRACKETS and self-ligating TUBES Roth*

| UPPER | Torque | Ang | In/Out | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--|--------|-----|---------------|-------|-------------|-------------|-------------|-------------|
| Central | 12° | 5° | 0.59 | 2.60 | 205M-11 | 205M-21 | 255M-11 | 255M-21 |
| Lateral | 8° | 9° | 0.94 | 2.60 | 205M-12 | 205M-22 | 255M-12 | 255M-22 |
| Cuspid | -2° | 9° | 0.50 | 2.80 | 205M-13 | 205M-23 | 255M-13 | 255M-23 |
| 1. Bicuspid | -7° | 0° | 0.60 | 2.80 | 205M-14/25 | 205M-14/25 | 255M-14/25 | 255M-14/25 |
| 2. Bicuspid | -7° | 0° | 0.60 | 2.80 | 205M-14/25 | 205M-14/25 | 255M-14/25 | 255M-14/25 |
| UPPER MOLARS | Torque | Ang | Distal Offset | | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
| 1. & 2. Molar - bondable | -10° | 0° | 0° | | 205M-16/27 | 205M-16/27 | 255M-16/27 | 255M-16/27 |
| 1. & 2. Molar extended base - bondable | -10° | 0° | 0° | | 205M-16/27E | 205M-16/27E | 255M-16/27E | 255M-16/27E |

| LOWER | Torque | Ang | In/Out | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
|--|--------|-----|---------------|-------|-------------|-------------|-------------|-------------|
| Anterior | -1° | 0° | 0.85 | 2.60 | 205M-31/42 | 205M-31/42 | 255M-31/42 | 255M-31/42 |
| Cuspid | -11° | 7° | 0.50 | 2.80 | 205M-43 | 205M-33 | 255M-43 | 255M-33 |
| 1. Bicuspid | -17° | 0° | 0.50 | 2.80 | 205M-44 | 205M-34 | 255-44 | 255M-34 |
| 2. Bicuspid | -22° | 0° | 0.52 | 2.80 | 205M-45 | 205M-35 | 255M-45 | 255M-35 |
| LOWER MOLARS | Torque | Ang | Distal Offset | | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
| 1. & 2. Molar - bondable | -25° | 0° | 0° | | 205M-36/47 | 205M-36/47 | 255M-36/47 | 255M-36/47 |
| 1. & 2. Molar extended base - bondable | -25° | 0° | 0° | | 205M-36/47E | 205M-36/47E | 255M-36/47E | 255M-36/47E |

| HIGH TORQUE | Torque | Ang | In/Out | Width | Right .018 | Left .018 | Right .022 | Left .022 |
|-----------------|--------|-----|--------|-------|--------------|--------------|--------------|--------------|
| Upper Central | 17° | 4° | 0.59 | 2.60 | 205M-11-17 | 205M-21-17 | 255M-11-17 | 255M-21-17 |
| Upper Lateral | 10° | 8° | 0.94 | 2.60 | 205M-12-10 | 205M-22-10 | 255M-12-10 | 255M-22-10 |
| Lower Anteriors | -6° | 0° | 0.85 | 2.60 | 205M-31/42-6 | 205M-31/42-6 | 255M-31/42-6 | 255M-31/42-6 |

Cases-Single trays or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|-------------|--------------|-------------|--------------|--------------------------------------|
| 205M-001 | 205M-001/10 | 255M-001 | 255M-001/10 | FLAIR Bracket ROTH Upper + Lower 5-5 |

FLAIR SLT™ BRACKETS and self-ligating TUBES MBT (McLaughlin/Bennett/Trevisi)*

| UPPER | Torque | Ang | In/Out | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--|--------|-----|---------------|-------|-------------|-------------|-------------|-------------|
| Central | 17° | 4° | 0.59 | 2.60 | 206M-11 | 206M-21 | 266M-11 | 266M-21 |
| Lateral | 10° | 8° | 0.94 | 2.60 | 206M-12 | 206M-22 | 266M-12 | 266M-22 |
| Cuspid | -7° | 8° | 0.50 | 2.80 | 206M-13 | 206M-23 | 266M-13 | 266M-23 |
| 1. Bicuspid | -7° | 0° | 0.60 | 2.80 | 206M-14/25 | 206M-14/25 | 266M-14/25 | 266M-14/25 |
| 2. Bicuspid | -7° | 0° | 0.60 | 2.80 | 206M-14/25 | 206M-14/25 | 266M-14/25 | 266M-14/25 |
| UPPER MOLARS | Torque | Ang | Distal Offset | | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
| 1. & 2. Molar - bondable | -14° | 0° | 0° | | 206M-16/27 | 206M-16/27 | 266M-16/27 | 266M-16/27 |
| 1. & 2. Molar extended base - bondable | -14° | 0° | 0° | | 206M-16/27E | 206M-16/27E | 266M-16/27E | 266M-16/27E |
| LOWER | Torque | Ang | In/Out | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
| Anterior | -6° | 0° | 0.85 | 2.60 | 206M-31/42 | 206M-31/42 | 266M-31/42 | 266M-31/42 |
| Cuspid | -6° | 3° | 0.50 | 2.60 | 206M-43 | 206M-33 | 266M-43 | 266M-33 |
| 1. Bicuspid | -12° | 2° | 0.50 | 2.80 | 206M-44 | 206M-34 | 266M-44 | 266M-34 |
| 2. Bicuspid | -17° | 2° | 0.52 | 2.80 | 206M-45 | 206M-35 | 266M-45 | 266M-35 |
| LOWER MOLARS | Torque | Ang | Distal Offset | | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
| 1. & 2. Molar - bondable | -20° | 0° | 0° | | 206M-36/47 | 206M-36/47 | 266M-36/47 | 266M-36/47 |
| 1. & 2. Molar extended base - bondable | -20° | 0° | 0° | | 206M-36/47E | 206M-36/47E | 266M-36/47E | 266M-36/47E |

Cases-Single trays or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|-------------|--------------|-------------|--------------|--|
| 206M-001 | 206M-001/10 | 266M-001 | 266M-001/10 | FLAIR SLT™ Bracket MBT Upper + Lower 5-5 |

*The adenta version of this technique does not indicate endorsement by the doctor. They do not claim to be a duplication of any other.

CROWN™ Bracket CROWN MINI™ Bracket



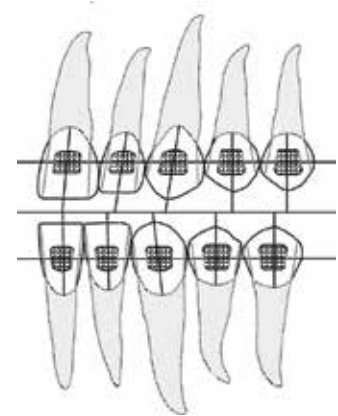
Exact bracket positioning with scientific accuracy

A statistical analysis of hundreds of intact crowns was carried out to evaluate the differences of crown forms. The results of this study concluded with a standardized measurement for each tooth's crown.

Armed with these precise measurement and forms, the CROWN™ bracket base could be established, designed to conform to the shape of each individual tooth's crown.

This enables you to use all visible four sides of the bracket to determine exact bracket position.

Quick - Easy - Accurate



USE

ALL

FOUR

SIDES



real life - macro photo
CROWN™ bracket base



The CROWN™ Bracket System

Quick, easy, and accurate bracket positioning, every time.

One piece bracket

The CROWN™ bracket is a one-piece-milled bracket, no added base pad, eliminating separation failures

Precise fit

All adenta brackets feature an anatomical 3D curvature on the base providing a precise fit to the tooth

Analysis of Crown forms

After extensive evaluation of intact crowns, a standardized crown form for every tooth based on the principle of a congruent form was determined with scientific accuracy



High precision

State-of-the-art CNC and CAD/CAM techniques enable tolerances within a thousandth of an inch.

That's 50% smaller than a human hair: Offering you the ultimate in precision for full control of torque and rotation

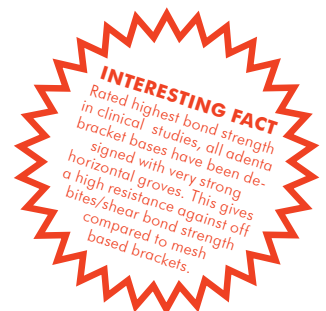
Torque-in-the-base

It is preferable in a Straight-Wire-System to have a bracket with torque in the base for optimum aesthetics

Superior adhesive retention

All adenta brackets offer superior adhesive retention, due to the mechanical undercuts in the bonding base of the CROWN™ Bracket.

* study AJO v:124 Micro-etched and sand-blasted integral bonding base with mechanical undercuts result on average in 20–40% higher bonding strength



The CROWN MINI™ Bracket System

All the benefits of the CROWN bracket system in a 20% more compact bracket

Ultra small - Ultra low profile - Ultra comfortable - Ultra attractive



“ Since I started using the CROWN™ bracket I have seen a drop in the number of visits we all get from de-bonded brackets, this bracket stays put even when one of my patients admitted to eating hard candy on Halloween. This bracket is easy to ligate and I have excellent torque and rotational control. My staff loves the shape of the base, it has really been an advantage during bonding, we now experience significantly less bonding mistakes. ” Dr. Loidl, Berlin, Germany

CROWN™ BRACKETS Roth*

| UPPER | Torque | Ang | In/Out | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--------------------|--------|-----|--------|-------|-------------|-------------|-------------|-------------|
| Central | 12° | 5° | 0.84 | 2.85 | 105-11 | 105-21 | 155-11 | 155-21 |
| Lateral | 8° | 9° | 1.15 | 2.55 | 105-12 | 105-22 | 155-12 | 155-22 |
| Cuspid | -2° | 9° | 0.60 | 2.90 | 105-13 | 105-23 | 155-13 | 155-23 |
| Cuspid w hook | -2° | 9° | 0.60 | 2.90 | 105-13/H | 105-23/H | 155-13/H | 155-23/H |
| 1. Bicuspid | -7° | 0° | 0.68 | 2.95 | 105-14/25 | 105-14/25 | 155-14/25 | 155-14/25 |
| 1. Bicuspid w hook | -7° | 0° | 0.68 | 2.95 | 105-14/15/H | 105-24/25/H | 155-14/15/H | 155-24/25/H |
| 2. Bicuspid | -7° | 0° | 0.68 | 2.95 | 105-14/25 | 105-14/25 | 155-14/25 | 155-14/25 |
| 2. Bicuspid w hook | -7° | 0° | 0.68 | 2.95 | 105-14/15/H | 105-24/25/H | 155-14/15/H | 155-24/25/H |

| LOWER | Torque | Ang | In/Out | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
|--------------------|--------|-----|--------|-------|------------|------------|------------|------------|
| Anterior | -1° | 0° | 1.05 | 2.65 | 105-31/42 | 105-31/42 | 155-31/42 | 155-31/42 |
| Cuspid | -11° | 7° | 0.56 | 2.90 | 105-43 | 105-33 | 155-43 | 155-33 |
| Cuspid w hook | -11° | 7° | 0.56 | 2.90 | 105-43/H | 105-33/H | 155-43/H | 155-33/H |
| 1. Bicuspid | -17° | 0° | 0.54 | 2.95 | 105-44 | 105-34 | 155-44 | 155-34 |
| 1. Bicuspid w hook | -17° | 0° | 0.54 | 2.95 | 105-44/H | 105-34/H | 155-44/H | 155-34/H |
| 2. Bicuspid | -22° | 0° | 0.52 | 2.95 | 105-45 | 105-35 | 155-45 | 155-35 |
| 2. Bicuspid w hook | -22° | 0° | 0.52 | 2.95 | 105-45/H | 105-35/H | 155-45/H | 155-35/H |

| HIGH TORQUE | Torque | Ang | In/Out | Width | Right .018 | Left .018 | Right .022 | Left .022 |
|-----------------|--------|-----|--------|-------|-------------|-------------|-------------|-------------|
| Upper Central | 17° | 5° | 0.59 | 2.60 | 105-11-17 | 105-21-17 | 155-11-17 | 155-21-17 |
| Upper Lateral | 10° | -8° | 0.94 | 2.60 | 105-12-10 | 105-22-10 | 155-12-10 | 155-22-10 |
| Lower Anteriors | -6° | 0° | 0.85 | 2.60 | 105-31/42-6 | 105-31/42-6 | 155-31/42-6 | 155-31/42-6 |

Cases-Singel tray or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|--------------|-----------------|--------------|-----------------|--|
| 105-001 | 105-001/10 | 155-001 | 155-001/10 | CROWN™ Bracket ROTH Upper + Lower 5-5 |
| 105-001/H | 105-001/H/10 | 155-001/H | 155-001/H/10 | CROWN™ Bracket ROTH Upper + Lower 5-5 w. Hook on 3 |
| 105-001/H345 | 105-001/H345/10 | 155-001/H345 | 155-001/H345/10 | CROWN™ Bracket ROTH Upper + Lower 5-5 w. Hook on 3-4-5 |

CROWN™ BRACKETS MBT (McLaughlin/Bennett/Trevisi)*

| UPPER | Torque | Ang | In/Out | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--------------------|--------|-----|--------|-------|-------------|-------------|-------------|-------------|
| Central | 17° | 5° | 0.59 | 2.60 | 106-11 | 106-21 | 166-11 | 166-21 |
| Lateral | 10° | 8° | 0.94 | 2.60 | 106-12 | 106-22 | 166-12 | 166-22 |
| Cuspid | -7° | 8° | 0.56 | 2.80 | 106-13 | 106-23 | 166-13 | 166-23 |
| Cuspid w hook | -7° | 8° | 0.56 | 2.80 | 106-13/H | 106-23/H | 166-13/H | 166-23/H |
| 1. Bicuspid | -7° | 0° | 0.68 | 2.80 | 106-14/25 | 106-14/25 | 166-14/25 | 166-14/25 |
| 1. Bicuspid w hook | -7° | 0° | 0.68 | 2.80 | 106-14/15/H | 106-24/25/H | 166-14/15/H | 166-24/25/H |
| 2. Bicuspid | -7° | 0° | 0.68 | 2.80 | 106-14/25 | 106-14/25 | 166-14/25 | 166-14/25 |
| 2. Bicuspid w hook | -7° | 0° | 0.68 | 2.80 | 106-14/15/H | 106-24/25/H | 166-14/15/H | 166-24/25/H |

| LOWER | Torque | Ang | In/Out | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
|--------------------|--------|-----|--------|-------|------------|------------|------------|------------|
| Anterior | -6° | 0° | 0.85 | 2.60 | 106-31/42 | 106-31/42 | 166-31/42 | 166-31/42 |
| Cuspid | -6° | 3° | 0.56 | 2.80 | 106-43 | 106-33 | 166-43 | 166-33 |
| Cuspid w hook | -6° | 3° | 0.56 | 2.80 | 106-43/H | 106-33/H | 166-43/H | 166-33/H |
| 1. Bicuspid | -12° | 0° | 0.58 | 2.80 | 106-44 | 106-34 | 166-44 | 166-34 |
| 1. Bicuspid w hook | -12° | 0° | 0.58 | 2.80 | 106-44/H | 106-34/H | 166-44/H | 166-34/H |
| 2. Bicuspid | -17° | 0° | 0.60 | 2.80 | 106-45 | 106-35 | 166-45 | 166-35 |
| 2. Bicuspid w hook | -17° | 0° | 0.60 | 2.80 | 106-45/H | 106-35/H | 166-45/H | 166-35/H |

Cases-Singel tray or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|--------------|-----------------|--------------|-----------------|---|
| 106-001 | 106-001/10 | 166-001 | 166-001/10 | CROWN™ Bracket MBT Upper + Lower 5-5 |
| 106-001/H | 106-001/H/10 | 166-001/H | 166-001/H/10 | CROWN™ Bracket MBT Upper + Lower 5-5 w. Hook on 3 |
| 106-001/H345 | 106-001/H345/10 | 166-001/H345 | 166-001/H345/10 | CROWN™ Bracket MBT Upper + Lower 5-5 w. Hook on 3-4-5 |

*The adenta version of this technique does not indicate endorsement by the doctor. They do not claim to be a duplication of any other.

CROWN MINI™ BRACKETS Roth*

| UPPER | Torque | Ang | In/Out | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--------------------|--------|-----|--------|-------|--------------|--------------|--------------|--------------|
| Central | 12° | 5° | 0.59 | 2.60 | 105M-11 | 105M-21 | 155M-11 | 155M-21 |
| Lateral | 8° | 9° | 0.94 | 2.60 | 105M-12 | 105M-22 | 155M-12 | 155M-22 |
| Cuspid | -2° | 9° | 0.50 | 2.80 | 105M-13 | 105M-23 | 155M-13 | 155M-23 |
| Cuspid w hook | -2° | 9° | 0.56 | 2.80 | 105M-13/H | 105M-23/H | 155M-13/H | 155M-23/H |
| 1. Bicuspid | -7° | 0° | 0.56 | 2.80 | 105M-14/25 | 105M-14/25 | 155M-14/25 | 155M-14/25 |
| 1. Bicuspid w hook | -7° | 0° | 0.56 | 2.80 | 105M-14/15/H | 105M-24/25/H | 155M-14/15/H | 155M-24/25/H |
| 2. Bicuspid | -7° | 0° | 0.56 | 2.80 | 105M-14/25 | 105M-14/25 | 155M-14/25 | 155M-14/25 |
| 2. Bicuspid w hook | -7° | 0° | 0.56 | 2.80 | 105M-14/15/H | 105M-24/25/H | 155M-14/15/H | 155M-24/25/H |

| LOWER | Torque | Ang | In/Out | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
|--------------------|--------|-----|--------|-------|------------|------------|------------|------------|
| Anterior | -1° | 0° | 1.05 | 2.60 | 105M-31/42 | 105M-31/42 | 155M-31/42 | 155M-31/42 |
| Cuspid | -11° | 5° | 0.56 | 2.80 | 105M-43 | 105M-33 | 155M-43 | 155M-33 |
| Cuspid w hook | -11° | 5° | 0.56 | 2.80 | 105M-43/H | 105M-33/H | 155M-43/H | 155M-33/H |
| 1. Bicuspid | -17° | 0° | 0.54 | 2.80 | 105M-44 | 105M-34 | 155M-44 | 155M-34 |
| 1. Bicuspid w hook | -17° | 0° | 0.54 | 2.80 | 105M-44/H | 105M-34/H | 155M-44/H | 155M-34/H |
| 2. Bicuspid | -22° | 0° | 0.52 | 2.80 | 105M-45 | 105M-35 | 155M-45 | 155M-35 |
| 2. Bicuspid w hook | -22° | 0° | 0.52 | 2.80 | 105M-45/H | 105M-35/H | 155M-45/H | 155M-35/H |

| HIGH TORQUE | Torque | Ang | In/Out | Width | Right .018 | Left .018 | Right .022 | Left .022 |
|-----------------|--------|-----|--------|-------|--------------|--------------|--------------|--------------|
| Upper Central | 17° | 5° | 0.59 | 2.60 | 105M-11-17 | 105M-21-17 | 155M-11-17 | 155M-21-17 |
| Upper Lateral | 10° | 8° | 0.94 | 2.60 | 105M-12-10 | 105M-22-10 | 155M-12-10 | 155M-22-10 |
| Lower Anteriors | -6° | 0° | 1.05 | 2.60 | 105M-31/42-6 | 105M-31/42-6 | 155M-31/42-6 | 155M-31/42-6 |

Cases-Singel tray or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|--------------|-----------------|---------------|------------------|--|
| 105-001 | 105-001/10 | 155M-001 | 155M-001/10 | CROWN MINI Bracket ROTH Upper + Lower 5-5 |
| 105-001/H | 105-001/H/10 | 155M-001/H | 155M-001/H/10 | CROWN MINI Bracket ROTH Upper + Lower 5-5 w. Hook on 3 |
| 105-001/H345 | 105-001/H345/10 | 155M-001/H345 | 155M-001/H345/10 | CROWN MINI Bracket ROTH Upper + Lower 5-5 w. Hook on 3-4-5 |

CROWN MINI™ BRACKETS MBT (McLaughlin/Bennett/Trevisi)*

| UPPER | Torque | Ang | In/Out | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--------------------|--------|-----|--------|-------|--------------|--------------|--------------|--------------|
| Central | 17° | 5° | 0.59 | 2.60 | 106M-11 | 106M-21 | 166M-11 | 166M-21 |
| Lateral | 10° | 8° | 0.94 | 2.60 | 106M-12 | 106M-22 | 166M-12 | 166M-22 |
| Cuspid | -7° | 8° | 0.50 | 2.80 | 106M-13 | 106M-23 | 166M-13 | 166M-23 |
| Cuspid w hook | -7° | 8° | 0.56 | 2.80 | 106M-13/H | 106M-23/H | 166M-13/H | 166M-23/H |
| 1. Bicuspid | -7° | 0° | 0.56 | 2.80 | 106M-14/25 | 106M-14/25 | 166M-14/25 | 166M-14/25 |
| 1. Bicuspid w hook | -7° | 0° | 0.56 | 2.80 | 106M-14/15/H | 106M-24/25/H | 166M-14/15/H | 166M-24/25/H |
| 2. Bicuspid | -7° | 0° | 0.56 | 2.80 | 106M-14/25 | 106M-14/25 | 166M-14/25 | 166M-14/25 |
| 2. Bicuspid w hook | -7° | 0° | 0.56 | 2.80 | 106M-14/15/H | 106M-24/25/H | 166M-14/15/H | 166M-24/25/H |

| LOWER | Torque | Ang | In/Out | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
|--------------------|--------|-----|--------|-------|------------|------------|------------|------------|
| Anterior | -6° | 0° | 1.05 | 2.60 | 106M-31/42 | 106M-31/42 | 166M-31/42 | 166M-31/42 |
| Cuspid | -6° | 3° | 0.50 | 2.80 | 106M-43 | 106M-33 | 166M-43 | 166M-33 |
| Cuspid w hook | -6° | 3° | 0.56 | 2.80 | 106M-43/H | 106M-33/H | 166M-43/H | 166M-33/H |
| 1. Bicuspid | -12° | 0° | 0.50 | 2.80 | 106M-44 | 106M-34 | 166M-44 | 166M-34 |
| 1. Bicuspid w hook | -12° | 0° | 0.56 | 2.80 | 106M-44/H | 106M-34/H | 166M-44/H | 166M-34/H |
| 2. Bicuspid | -17° | 0° | 0.50 | 2.80 | 106M-45 | 106M-35 | 166M-45 | 166M-35 |
| 2. Bicuspid w hook | -17° | 0° | 0.56 | 2.80 | 106M-45/H | 106M-35/H | 166M-45/H | 166M-35/H |

Cases-Single tray or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|---------------|------------------|---------------|------------------|--|
| 106M-001 | 106M-001/10 | 166M-001 | 166M-001/10 | CROWN MINI™ Bracket MBT Upper + Lower 5-5 |
| 106M-001/H | 106M-001/H/10 | 166M-001/H | 166M-001/H/10 | CROWN MINI™ Bracket MBT Upper + Lower 5-5 w. Hook on 3 |
| 106M-001/H345 | 106M-001/H345/10 | 166M-001/H345 | 166M-001/H345/10 | CROWN MINI™ Bracket MBT Upper + Lower 5-5 w. Hook on 3-4-5 |

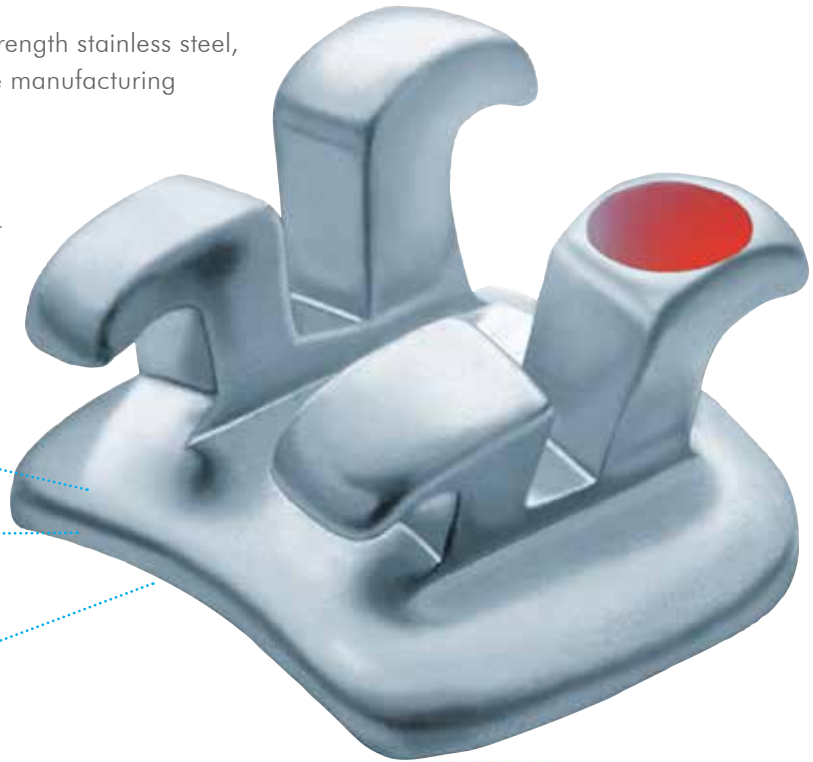
*The adenta version of this technique does not indicate endorsement by the doctor. They do not claim to be a duplication of any other.

ECONOLINE™ Bracket

Biomechanical precision within a thousandth of an inch tolerance

Clean simple design lines and aerospace strength stainless steel, permit us to continue using the most precise manufacturing method - micro milling (CNC)

The prescription can now be fully expressed to its full capabilities, with precise management of mechanics, which minimizes wire bending for the ideal archwire.



precise control of tip

precise control of torque

precise in/out relationship

How to achieve an affordable, strong, and reliable bracket with precise management of mechanics.



Complicated bracket design has mixed with wax and polymers and is lead the majority of manufacturers to turn to a method called metal injection molding (MIM). In this process, metal powder is injected into a mold where the metal is shaped into an orthodontic bracket. This metal powder produces a significantly weaker material and the shrinking process of the bracket produces a less-precise bracket with varying angles and degrees of torque. I streamlined and simplified the bracket design, I cut costs, I used strong reliable stainless steel and now I could use the most precise method of manufacturing - micro milling (CNC). Ultimately, I succeeded - perfect material, design and ultra precise manufacturing, produced a more reliable movement of teeth at an affordable price.



Superior adhesive retention

All adenta brackets offer superior adhesive retention, due to the mechanical undercuts in the bonding base. *study AJO v:124



Precise bracket placement

All adenta brackets feature an anatomical 3D curvature on the base providing a precise fit to the tooth. All our brackets are manufactured with a .0006" tolerance p that is 5 x smaller than a human hair



Ultra Small In/Out

The ECONOLINE™ Bracket is a one-piece-milled bracket, no base pad is added and therefore offers an ultra-small In/Out.



True One-Piece-Bracket No separation failures

No possibility of separation failure as the base and hooks are milled into the bracket, creating extra strength and durability.

ECONOLINE™ BRACKETS Roth*

| UPPER | Torque | Ang | In/Out | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--------------------|--------|-----|--------|-------|------------|------------|------------|------------|
| Central | 12° | 5° | 0.79 | 3.45 | 05-11 | 05-21 | 55-11 | 55-21 |
| Lateral | 8° | 9° | 1.28 | 2.90 | 05-12 | 05-22 | 55-12 | 55-22 |
| Cuspid | 0° | 11° | 0.69 | 3.15 | 05-13 | 05-23 | 55-13 | 55-23 |
| Cuspid w hook | 0° | 11° | 0.69 | 3.15 | 05-13/H | 05-23/H | 55-13/H | 55-23/H |
| 1. Bicuspid | -7° | 0° | 0.69 | 3.20 | 05-14/25 | 05-14/25 | 55-14/25 | 55-14/25 |
| 1. Bicuspid w hook | -7° | 0° | 0.69 | 3.20 | 05-14/15/H | 05-24/25/H | 55-14/15/H | 55-24/25/H |
| 2. Bicuspid | -7° | 0° | 0.69 | 3.20 | 05-14/25 | 05-14/25 | 55-14/25 | 55-14/25 |
| 2. Bicuspid w hook | -7° | 0° | 0.69 | 3.20 | 05-14/15/H | 05-24/25/H | 55-14/15/H | 55-24/25/H |

| LOWER | Torque | Ang | In/Out | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
|--------------------|--------|-----|--------|-------|------------|------------|------------|------------|
| Anterior | -1° | 0° | 1.28 | 2.35 | 05-31/42 | 05-31/42 | 55-31/42 | 55-31/42 |
| Cuspid | -11° | 5° | 0.64 | 3.15 | 05-43 | 05-33 | 55-43 | 55-33 |
| Cuspid w hook | -11° | 5° | 0.64 | 3.15 | 05-43/H | 05-33/H | 55-43/H | 55-33/H |
| 1. Bicuspid | -17° | 0° | 0.50 | 3.20 | 05-44 | 05-34 | 55-44 | 55-34 |
| 1. Bicuspid w hook | -17° | 0° | 0.50 | 3.20 | 05-44/H | 05-34/H | 55-44/H | 55-34/H |
| 2. Bicuspid | -22° | 0° | 0.50 | 3.20 | 05-45 | 05-35 | 55-45 | 55-35 |
| 2. Bicuspid w hook | -22° | 0° | 0.50 | 3.20 | 05-45/H | 05-35/H | 55-45/H | 55-35/H |

| HIGH TORQUE | Torque | Ang | In/Out | Width | Right .018 | Left .018 | Right .022 | Left .022 |
|-----------------|--------|-----|--------|-------|------------|------------|-------------|------------|
| Upper Central | 17° | 4° | 0.79 | 3.45 | 05-11-17 | 05-21-17 | 55-11-17 | 55-21-17 |
| Upper Lateral | 10° | 8° | 0.90 | 2.90 | 05-12-10 | 05-22-10 | 55-12-10 | 55-22-10 |
| Lower Anteriors | -6° | 0° | 1.20 | 2.35 | 05-31/42-6 | 05-31/42-6 | 155-31/42-6 | 55-31/42-6 |

Cases-Single tray or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|-------------|----------------|-------------|----------------|--|
| 05-001 | 05-001/10 | 55-001 | 55-001/10 | ECONOLINE™ Bracket ROTH Upper + Lower 5-5 |
| 05-001/H | 05-001/H/10 | 55-001/H | 55-001/H/10 | ECONOLINE™ Bracket ROTH Upper + Lower 5-5 w. Hook on 3 |
| 05-001/H345 | 05-001/H345/10 | 55-001/H345 | 55-001/H345/10 | ECONOLINE™ Bracket ROTH Upper + Lower 5-5 w. Hook on 3-4-5 |

ECONOLINE™ BRACKETS MBT (McLaughlin/Bennett/Trevisi)*

| UPPER | Torque | Ang | In/Out | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--------------------|--------|-----|--------|-------|------------|------------|------------|------------|
| Central | 17° | 4° | 0.79 | 3.45 | 06-11 | 06-21 | 66-11 | 66-21 |
| Lateral | 10° | 8° | 0.90 | 2.90 | 06-12 | 06-22 | 66-12 | 66-22 |
| Cuspid | -7° | 8° | 0.80 | 3.15 | 06-13 | 06-23 | 66-13 | 66-23 |
| Cuspid w hook | 0° | 8° | 0.69 | 3.15 | 06-13/H | 06-23/H | 66-13/H | 66-23/H |
| 1. Bicuspid | -7° | 0° | 0.69 | 3.20 | 06-14/25 | 06-14/25 | 66-14/25 | 66-14/25 |
| 1. Bicuspid w hook | -7° | 0° | 0.69 | 3.20 | 06-14/15/H | 06-24/25/H | 66-14/15/H | 66-24/25/H |
| 2. Bicuspid | -7° | 0° | 0.69 | 3.20 | 06-14/25 | 06-14/25 | 66-14/25 | 66-14/25 |
| 2. Bicuspid w hook | -7° | 0° | 0.69 | 3.20 | 06-14/15/H | 06-24/25/H | 66-14/15/H | 66-24/25/H |

| LOWER | Torque | Ang | In/Out | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
|--------------------|--------|-----|--------|-------|------------|------------|------------|------------|
| Anterior | -6° | 0° | 1.20 | 2.35 | 06-31/42 | 06-31/42 | 66-31/42 | 66-31/42 |
| Cuspid | -6° | 3° | 0.80 | 3.15 | 06-43 | 06-33 | 66-43 | 66-33 |
| Cuspid w hook | 0° | 3° | 0.80 | 3.15 | 06-43/H | 06-33/H | 66-43/H | 66-33/H |
| 1. Bicuspid | -12° | 0° | 0.50 | 3.20 | 06-44 | 06-34 | 66-44 | 66-34 |
| 1. Bicuspid w hook | -12° | 0° | 0.50 | 3.20 | 06-44/H | 06-34/H | 66-44/H | 66-34/H |
| 2. Bicuspid | -17° | 0° | 0.50 | 3.20 | 06-45 | 06-35 | 66-45 | 66-35 |
| 2. Bicuspid w hook | -17° | 0° | 0.50 | 3.20 | 06-45/H | 06-35/H | 66-45/H | 66-35/H |

Cases Single tray or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|-------------|----------------|-------------|----------------|---|
| 06-001 | 06-001/10 | 66-001 | 66-001/10 | ECONOLINE™ Bracket MBT Upper + Lower 5-5 |
| 06-001/H | 06-001/H/10 | 66-001/H | 66-001/H/10 | ECONOLINE™ Bracket MBT Upper + Lower 5-5 w. Hook on 3 |
| 06-001/H345 | 06-001/H345/10 | 66-001/H345 | 66-001/H345/10 | ECONOLINE™ Bracket MBT Upper + Lower 5-5 w. Hook on 3-4-5 |

*The adenta version of this technique does not indicate endorsement by the doctor. They do not claim to be a duplication of any other.

ECONOLINE™ BRACKETS Andrews*

| UPPER | Torque | Ang | In/Out | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--------------------|--------|-----|--------|-------|------------|------------|------------|------------|
| Central | 2° | 5° | 0.79 | 3.45 | 03-11 | 03-21 | 33-11 | 33-21 |
| Lateral | 3° | 9° | 1.28 | 2.90 | 03-12 | 03-22 | 33-12 | 33-22 |
| Cuspid | -7° | 11° | 0.69 | 3.15 | 03-13 | 03-23 | 33-13 | 33-23 |
| Cuspid w hook | -7° | 11° | 0.69 | 3.15 | 03-13/H | 03-23/H | 33-13/H | 33-23/H |
| 1. Bicuspid | -7° | 2° | 0.69 | 3.20 | 03-14/25 | 03-14/25 | 33-14/25 | 33-14/25 |
| 1. Bicuspid w hook | -7° | 2° | 0.69 | 3.20 | 03-14/15/H | 03-24/25/H | 33-14/15/H | 33-24/25/H |
| 2. Bicuspid | -7° | 2° | 0.69 | 3.20 | 03-14/25 | 03-14/25 | 33-14/25 | 33-14/25 |
| 2. Bicuspid w hook | -7° | 2° | 0.69 | 3.20 | 03-14/15/H | 03-24/25/H | 33-14/15/H | 33-24/25/H |

| LOWER | Torque | Ang | In/Out | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
|--------------------|--------|-----|--------|-------|------------|------------|------------|------------|
| Anterior | -1° | 2° | 1.28 | 2.35 | 03-41/42 | 03-31/32 | 33-41/42 | 33-31/32 |
| Cuspid | -11° | 5° | 0.64 | 3.15 | 03-43 | 03-33 | 33-43 | 33-33 |
| Cuspid w hook | -11° | 5° | 0.64 | 3.15 | 03-43/H | 03-33/H | 33-43/H | 33-33/H |
| 1. Bicuspid | -17° | 2° | 0.50 | 3.20 | 03-44 | 03-34 | 33-44 | 33-34 |
| 1. Bicuspid w hook | -17° | 2° | 0.50 | 3.20 | 03-44/H | 03-34/H | 33-44/H | 33-34/H |
| 2. Bicuspid | -22° | 2° | 0.50 | 3.20 | 03-45 | 03-35 | 33-45 | 33-35 |
| 2. Bicuspid w hook | -22° | 2° | 0.50 | 3.20 | 03-45/H | 03-35/H | 33-45/H | 33-35/H |

Cases-Single tray or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|-------------|----------------|-------------|----------------|---|
| 03-001 | 03-001/10 | 33-001 | 33-001/10 | ECONOLINE™ Bracket ANDREWS Upper + Lower 5-5 |
| 03-001/H | 03-001/H/10 | 33-001/H | 33-001/H/10 | ECONOLINE™ Bracket ANDREWS Upper + Lower 5-5 w. Hook on 3 |
| 03-001/H345 | 03-001/H345/10 | 33-001/H345 | 33-001/H345/10 | ECONOLINE™ Bracket ANDREWS Upper + Lower 5-5 w. Hook on 3-4-5 |

ECONOLINE™ BRACKETS Ricketts*

| UPPER | Torque | Ang | In/Out | Width | U - R .018 | U - L .018 |
|--------------------|--------|-----|--------|-------|------------|------------|
| Central | 22° | 0° | 0.80 | 3.45 | 02-11 | 02-21 |
| Lateral | 14° | 8° | 0.80 | 2.90 | 02-12 | 02-22 |
| Cuspid | 7° | 5° | 0.80 | 3.15 | 02-13 | 02-23 |
| Cuspid w hook | 7° | 5° | 0.80 | 3.15 | 02-13/H | 02-23/H |
| 1. Bicuspid | 0° | 0° | 0.80 | 3.20 | 02-14/25 | 02-14/25 |
| 1. Bicuspid w hook | 0° | 0° | 0.80 | 3.20 | 02-14/15/H | 02-24/25/H |
| 2. Bicuspid | 0° | 0° | 0.80 | 3.20 | 02-14/25 | 02-14/25 |
| 2. Bicuspid w hook | 0° | 0° | 0.80 | 3.20 | 02-14/15/H | 02-24/25/H |

| LOWER | Torque | Ang | In/Out | Width | L - R .018 | L - L .018 |
|--------------------|--------|-----|--------|-------|------------|------------|
| Anterior | 0° | 0° | 0.80 | 2.35 | 02-31/42 | 02-31/42 |
| Cuspid | 7° | 5° | 0.80 | 3.15 | 02-43 | 02-33 |
| Cuspid w hook | 7° | 5° | 0.80 | 3.15 | 02-43/H | 02-33/H |
| 1. Bicuspid | 0° | 0° | 0.80 | 3.20 | 02-34/45 | 02-34/45 |
| 1. Bicuspid w hook | 0° | 0° | 0.80 | 3.20 | 02-44/45/H | 02-34/35/H |
| 2. Bicuspid | 0° | 0° | 0.80 | 3.20 | 02-34/45 | 02-34/45 |
| 2. Bicuspid w hook | 0° | 0° | 0.80 | 3.20 | 02-44/45/H | 02-34/35/H |

Cases-Singel tray or 10-case tray

| 1 case .018 | 10 case .018 | Description |
|-------------|----------------|--|
| 02-001 | 02-001/10 | ECONOLINE™ Bracket RICKETTS Upper + Lower 5-5 |
| 02-001/H | 02-001/H/10 | ECONOLINE™ Bracket RICKETTS Upper + Lower 5-5 w. Hook on 3 |
| 02-001/H345 | 02-001/H345/10 | ECONOLINE™ Bracket RICKETTS Upper + Lower 5-5 w. Hook on 3-4-5 |

*The adenta version of this technique does not indicate endorsement by the doctor. They do not claim to be a duplication of any other.

ECONOLINE™ BRACKETS Standard Edgewise*

| UPPER | Torque | Ang | In/Out | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--------------------|--------|-----|--------|-------|------------------|------------------|------------------|------------------|
| Central | 0° | 0° | 0.75 | 3.45 | 01-11/21 | 01-11/21 | 11-11/21 | 11-11/21 |
| Lateral | 0° | 0° | 0.75 | 2.90 | 01-12/22 | 01-12/22 | 11-12/22 | 11-12/22 |
| Cuspid | 0° | 0° | 0.75 | 3.15 | 01-13/43 | 01-13/43 | 01-13/43 | 01-13/43 |
| Cuspid w hook | 0° | 0° | 0.75 | 3.15 | 01-13/33/H | 01-13/33/H | 01-13/33/H | 01-13/33/H |
| 1. Bicuspid | 0° | 0° | 0.75 | 3.20 | 01-14/45 | 01-14/45 | 11-14/45 | 11-14/45 |
| 1. Bicuspid w hook | 0° | 0° | 0.75 | 3.20 | 01-14/15/34/35/H | 01-14/15/34/35/H | 01-14/15/34/35/H | 01-14/15/34/35/H |
| 2. Bicuspid | 0° | 0° | 0.75 | 3.20 | 01-14/45 | 01-14/45 | 11-14/45 | 11-14/45 |
| 2. Bicuspid w hook | 0° | 0° | 0.75 | 3.20 | 01-14/15/34/35/H | 01-14/15/34/35/H | 01-14/15/34/35/H | 01-14/15/34/35/H |

| LOWER | Torque | Ang | In/Out | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
|--------------------|--------|-----|--------|-------|------------------|------------------|------------------|------------------|
| Anterior | 0° | 0° | 0.75 | 2.35 | 01-31/42 | 01-31/42 | 11-31/42 | 11-31/42 |
| Cuspid | 0° | 0° | 0.75 | 3.15 | 01-13/43 | 01-13/43 | 01-13/43 | 01-13/43 |
| Cuspid w hook | 0° | 0° | 0.75 | 3.15 | 01-23/43/H | 01-23/43/H | 01-23/43/H | 01-23/43/H |
| 1. Bicuspid | 0° | 0° | 0.75 | 3.20 | 01-14/45 | 01-14/45 | 01-14/45 | 01-14/45 |
| 1. Bicuspid w hook | 0° | 0° | 0.75 | 3.20 | 01-24/25/44/45/H | 01-24/25/44/45/H | 01-24/25/44/45/H | 01-24/25/44/45/H |
| 2. Bicuspid | 0° | 0° | 0.75 | 3.20 | 01-14/45 | 01-14/45 | 01-14/45 | 01-14/45 |
| 2. Bicuspid w hook | 0° | 0° | 0.75 | 3.20 | 01-24/25/44/45/H | 01-24/25/44/45/H | 01-24/25/44/45/H | 01-24/25/44/45/H |

Cases-Single tray or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|-------------|----------------|-------------|----------------|---|
| 01-001 | 01-001/10 | 11-001 | 11-001/10 | ECONOLINE™ Bracket STANDARD EDGEWISE Upper + Lower 5-5 |
| 01-001/H | 01-001/H/10 | 11-001/H | 11-001/H/10 | ECONOLINE™ Bracket STANDARD EDGEWISE Upper + Lower 5-5 w. Hook on 3 |
| 01-001/H345 | 01-001/H345/10 | 11-001/H345 | 11-001/H345/10 | ECONOLINE™ Bracket STANDARD EDGEWISE Upper + Lower 5-5 w. Hook on 3-4-5 |

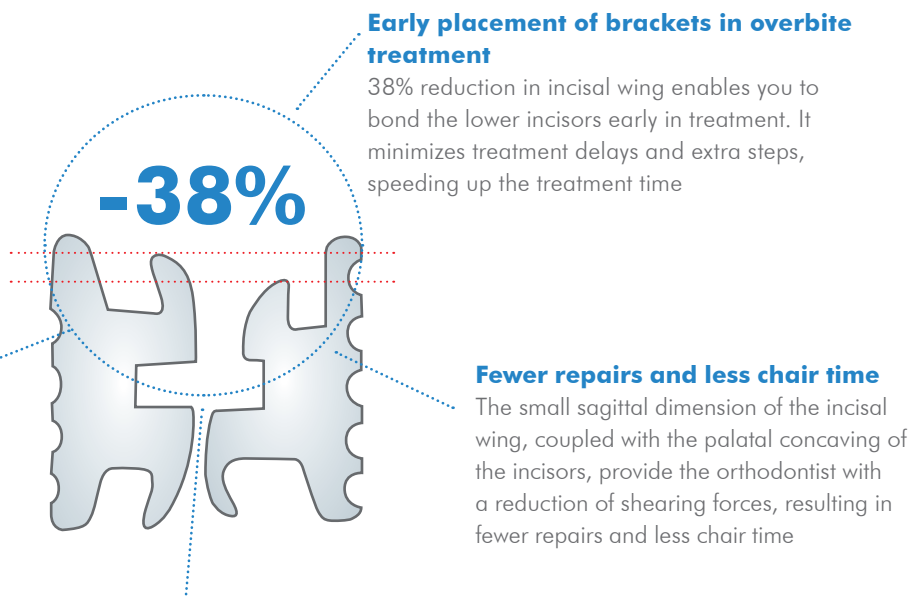
*The adenta version of this technique does not indicate endorsement by the doctor. They do not claim to be a duplication of any other.

3/4 DEEP BITE™ Bracket by Dr. Schütz

- Lower anteriors can be included earlier in treatment
- Lower shearing forces result in fewer repairs and reduced chair-time
- Brackets can be placed more incisal on a short clinical crown
- Incisal placement improves leveling

Small incisal bracket wings allow early bonding and faster leveling

The small sagittal dimension of the incisal wings enables you to position the bracket correctly, facilitating better leveling and increasing the efficiency of the appliance



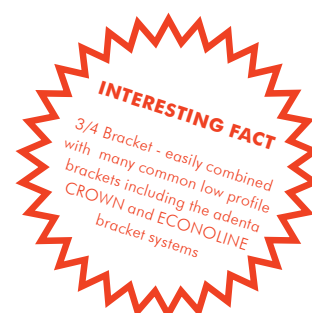
Superior bonding strength + zero separation failures

It is especially important in patients that present with a deep bite, that the brackets used have a strong bond and are durable enough to deal with the high shearing forces. All adenta brackets offer superior adhesive retention, due to the mechanical undercuts in the bonding base and are milled in one piece, eliminating the chance of separation failures and creating a strong and durable bracket.



“ With all my deep bite patients I normally needed to perform time consuming advance preparatory tooth movements to create room for the bonding of the lower incisors. If only that incisal bracket wing was smaller, there would be less chance of the patient biting off the brackets. I contacted Claus Schendell from adenta with my idea...We were able to reduce the incisal bracket wing by 38%, and still maintain function and control of treatment. This simple solution enabled me to bond the lower incisors early in treatment, reducing treatment delays, extra steps and treatment time. ”

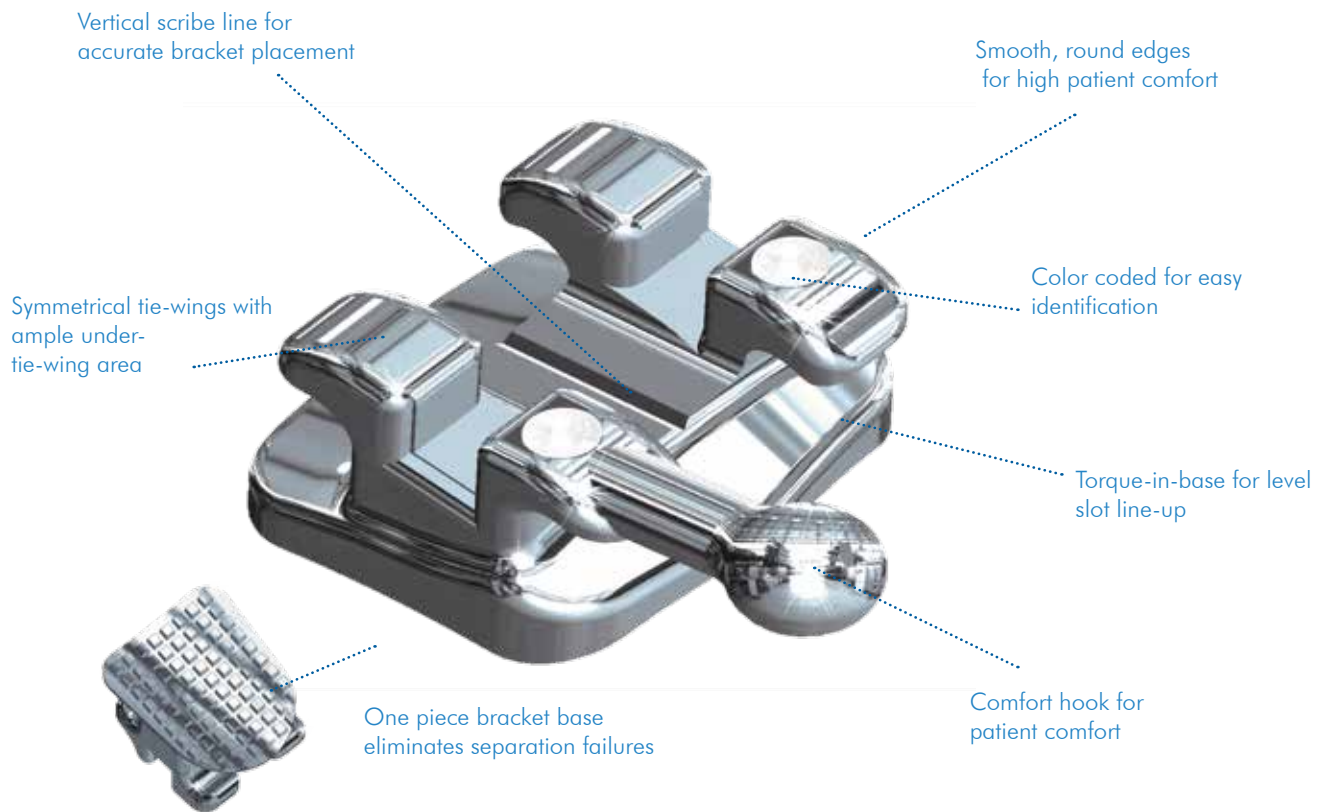
Dr. Schütz, Munich, Germany



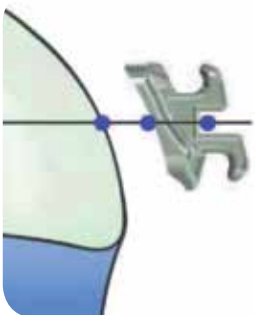
| | Torque | Ang | Width | In/Out | Item # .018 | Item # .022 |
|-----------------|--------|-----|-------|--------|-------------|-------------|
| Lower Anteriors | -1° | 0° | 2.35 | 1.10 | 05-31/42-S | 55-31/42-S |

BIJOU™ Nickel Free Bracket

Nickel Free Bracket - designed for your nickel sensitive patients



Full Control



Torque has been built into the base of each bracket to ensure control of treatment and a mesial-distal/ occlusal-gingival contour added for accurate placement on each tooth. All our brackets have been engineered with precise angulation, placing the long axis of the root distal to the occlusal portion of the crown, allowing all roots to align parallel. The upper centrals and laterals incline in a + torque reading to encourage optimal contact point line-up and ideal occlusion stability.

- Miniature twin, regular profile bracket design accommodates easy ligation.
- Direct bond.
- Nickel-free material.

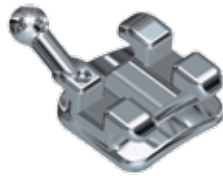
Combined Effort

All our NICKEL FREE brackets and buccal tubes have been designed to work in a combined effort to accomplish optimal class I molar relationship.



Strong Nickel Free Bond Available

One piece pad/Bracket Design for optimum pad to tooth fit and bond strength.



True Root Angulation

Roots align properly through root angulation designed into each BIJOU™ bracket, placing the long axis of the root distal to the occlusal portion of the crown.



Inclined Upper Anterior Crowns

For improved occlusal stability and in-line contact points, BIJOU™ brackets are designed with a “plus” torque built-in for maxillary centrals and laterals.



Rotation-free Bracket and Buccal Tubes

By designing the BIJOU™ brackets and buccal tubes to meet the contour of the teeth and prescribed alignment, teeth are controlled and free of rotation. Precise molar offsets are designed into BIJOU™ buccal tubes.

BIJOU™ NICKEL-FREE Roth*



| UPPER | Torque | Ang | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--------------------|--------|-----|-------|-------------|-------------|-------------|-------------|
| Central | 12° | 5° | 3.7 | 505-11 | 505-21 | 555-11 | 555-21 |
| Lateral | 8° | 9° | 2.9 | 505-12 | 505-22 | 555-12 | 555-22 |
| Cuspid | -2° | 13° | 3.0 | 505-13 | 505-23 | 555-13 | 555-23 |
| Cuspid w hook | -2° | 13° | 3.0 | 505-13/H | 505-23/H | 555-13/H | 555-23/H |
| 1. Bicuspid | -7° | 0° | 3.0 | 505-14/25 | 505-14/25 | 555-14/25 | 555-14/25 |
| 1. Bicuspid w hook | -7° | 0° | 3.0 | 505-14/15/H | 505-24/25/H | 555-14/15/H | 555-24/25/H |
| 2. Bicuspid | -7° | 0° | 3.0 | 505-14/25 | 505-14/25 | 555-14/25 | 555-14/25 |
| 2. Bicuspid w hook | -7° | 0° | 3.0 | 505-14/15/H | 505-24/25/H | 555-14/15/H | 555-24/25/H |

| LOWER | Torque | Ang | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
|--------------------|--------|-----|-------|------------|------------|------------|------------|
| Anterior | 0° | 0° | 2.6 | 505-31/42 | 505-31/42 | 555-31/42 | 555-31/42 |
| Cuspid | -11° | 7° | 2.6 | 505-43 | 505-33 | 555-43 | 555-33 |
| Cuspid w hook | -11° | 7° | 2.6 | 505-43/H | 505-33/H | 555-43/H | 555-33/H |
| 1. Bicuspid | -17° | 0° | 3.0 | 505-34/44 | 505-34/44 | 555-34/44 | 555-34/44 |
| 1. Bicuspid w hook | -17° | 0° | 3.0 | 505-44/H | 505-34/H | 555-44/H | 555-34/H |
| 2. Bicuspid | -22° | 0° | 3.0 | 505-35/45 | 505-35/45 | 555-35/45 | 555-35/45 |
| 2. Bicuspid w hook | -22° | 0° | 3.0 | 505-45/H | 505-35/H | 555-45/H | 555-35/H |

Cases-Single tray or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|--------------|-----------------|--------------|-----------------|---|
| 505-001 | 505-001/10 | 555-001 | 555-001/10 | BIJOU™ Bracket Upper + Lower 5-5 |
| 505-001/H | 505-001/H/10 | 555-001/H | 555-001/H/10 | BIJOU™ Bracket Upper + Lower 5-5 w. Hook on 3 |
| 505-001/H345 | 505-001/H345/10 | 555-001/H345 | 555-001/H345/10 | BIJOU™ Bracket Upper + Lower 5-5 w. Hook on 3-4-5 |

*The adenta version of this technique does not indicate endorsement by the doctor. They do not claim to be a duplication of any other.



BIJOU™ NICKEL-FREE MBT (McLaughlin/Bennett/Trevisi)*



| UPPER | Torque | Ang | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--------------------|--------|-----|-------|-------------|-------------|-------------|-------------|
| Central | 17° | 4° | 3.50 | 506-11 | 506-21 | 566-11 | 566-21 |
| Lateral | 8° | 9° | 2.92 | 506-12 | 506-22 | 566-12 | 566-22 |
| Cuspid | -7° | 9° | 3.20 | 506-13 | 506-23 | 566-13 | 566-23 |
| Cuspid w hook | -7° | 9° | 3.20 | 506-13/H | 506-23/H | 566-13/H | 566-23/H |
| 1. Bicuspid | -7° | 0° | 3.04 | 506-14/25 | 506-14/25 | 566-14/25 | 566-14/25 |
| 1. Bicuspid w hook | -7° | 0° | 3.04 | 506-14/15/H | 506-24/25/H | 566-14/15/H | 566-24/25/H |
| 2. Bicuspid | -7° | 0° | 3.00 | 506-14/25 | 506-14/25 | 566-14/25 | 566-14/25 |
| 2. Bicuspid w hook | -7° | 0° | 3.00 | 506-14/15/H | 506-24/25/H | 566-14/15/H | 566-24/25/H |

| LOWER | Torque | Ang | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
|--------------------|--------|-----|-------|------------|------------|------------|------------|
| Anterior | -6° | 0° | 2.66 | 506-31/42 | 506-31/42 | 566-31/2 | 566-31/42 |
| Cuspid | -6° | 3° | 3.20 | 506-43 | 506-33 | 566-43 | 566-33 |
| Cuspid w hook | -6° | 3° | 3.20 | 506-43/H | 506-33/H | 566-43/H | 566-33/H |
| 1. Bicuspid | -12° | 2° | 2.99 | 506-44 | 506-34 | 566-44 | 566-34 |
| 1. Bicuspid w hook | -12° | 2° | 2.99 | 506-44/H | 506-34/H | 566-44/H | 566-34/H |
| 2. Bicuspid | -17° | 2° | 2.99 | 506-45 | 506-35 | 566-45 | 566-35 |
| 2. Bicuspid w hook | -17° | 2° | 2.99 | 506-45/H | 506-35/H | 566-45/H | 566-35/H |

Cases-Single tray or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|--------------|-----------------|--------------|-----------------|---|
| 506-001 | 506-001/10 | 566-001 | 566-001/10 | BIJOU™ Bracket Upper + Lower 5-5 |
| 506-001/H | 506-001/H/10 | 566-001/H | 566-001/H/10 | BIJOU™ Bracket Upper + Lower 5-5 w. Hook on 3 |
| 506-001/H345 | 506-001/H345/10 | 566-001/H345 | 566-001/H345/10 | BIJOU™ Bracket Upper + Lower 5-5 w. Hook on 3-4-5 |

*The adenta version of this technique does not indicate endorsement by the doctor. They do not claim to be a duplication of any other.

DISCREET™ Ultra-Low Friction Bracket



Uniting brilliant aesthetics with outstanding ultra-low frictional forces

Research reports 30% less friction than common ceramics



During fixed appliance therapy, friction generated at the bracket/wire and wire/ligature interfaces is a critical factor in determining the efficiency of biological tooth movement. The increase in frictional forces within the aesthetic line has been well documented over the years. The challenge was how to produce an aesthetic bracket that could satisfy the demand for optimal appearance and performance.

Surface roughness plays a large role in the production of frictional forces in the majority of aesthetic brackets. Material selection and manufacturing methods needed to be revised to produce a smoother surface. A new combination of compounds which includes ceramic took advantage of properties found in these new atomic structures, and produced the ultra smooth surface we needed to decrease friction but continue to maintain high optical clarity.

We also used a new manufacturing method called Laser Sintering, used in the past to produce products that require a mirror polished surface like kitchen utensils, ophthalmic lenses, watch faces, could now be used for the production of aesthetic brackets, producing the smoothest results possible.

Ultra-low friction

The new material composition of the bracket shows in comparison to all other common aesthetic bracket materials on the market superior low frictional forces and provides premium sliding mechanics

Safe debonding

Highest bonding strength combined with fracture-less debonding of the bracket ensures optimal protection of the dental enamel

Precise tolerances

This one-piece-bracket is manufactured with a unique laser aided sintering technology, allowing complex and precise bracket shapes with smallest slot tolerances for optimum performance of the prescription

Endless clarity & translucency

The DISCREET™ assures true clarity during the entire treatment process. Even after a 24hr Curry bath no discoloring of the material was recorded

Fractural toughness

Manufacturing methods, material selection, and optimum morphology produces a bracket that can withstand the rigours of orthodontic forces

Significant reduction in attrition of teeth

Attrition of teeth is prevalent with all other common ceramic brackets. Combining new compounds has produced a strong reliable bracket but eliminates the extreme hardness of the common ceramic bracket

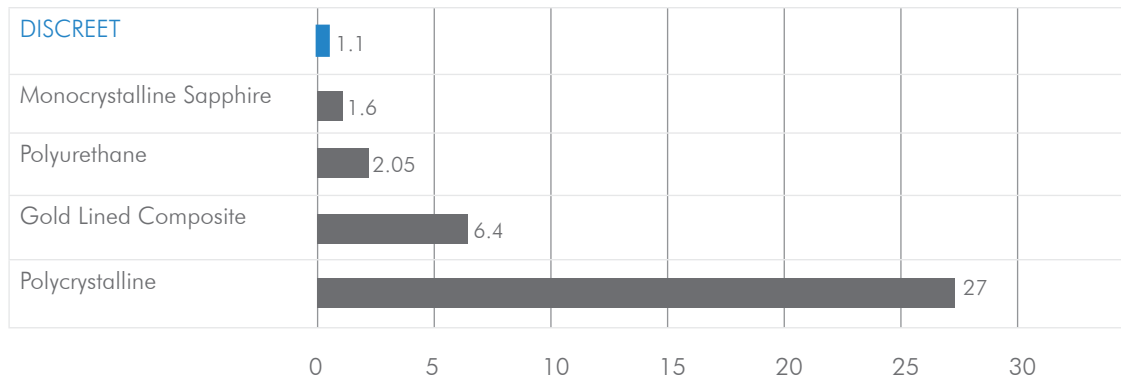
Biocompatibility

The combination of different translucent materials, including ceramic, ensures outstanding high biocompatibility. Our combination of compounds are CE-certified and approved by biocompatible tests like mutagen, skin sensitization, cytotoxicity and oral toxicity



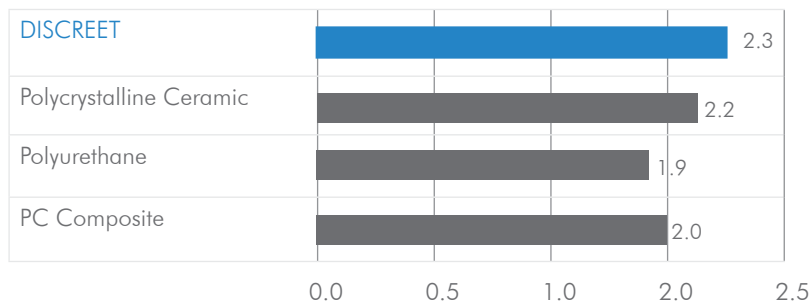
Outstanding low frictional forces for optimal sliding mechanics *produces reliable, predictable control of treatment.*

Frictional Force in N - Offset test



Exceptional torque fracture resistance creates accurate rotation control and reduces breakages during treatment.

Average Torque Strength in Ncm



Safe, reliable and predictable debonding

Mechanical retention is achieved through indentations and added undercuts in the base of the bracket. Laboratory testing indicated that the mean linear tensile strength of enamel is 14.5MPa. The force required for debonding falls within a range safe for the enamel yet strong enough to hold throughout full orthodontic treatment.



DISCREET™ BRACKETS Roth*

| UPPER | Torque | Ang | In/Out | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--------------------|--------|-----|--------|-------|-------------|-------------|-------------|-------------|
| Central | 11° | 5° | 0.84 | 3.35 | 480-11 | 480-21 | 488-11 | 488-21 |
| Lateral | 8° | 9° | 1.14 | 3.45 | 480-12 | 480-22 | 488-12 | 488-22 |
| Cuspid | -2° | 8° | 0.88 | 3.38 | 480-13 | 480-23 | 488-13 | 488-23 |
| Cuspid w hook | -2° | 8° | 0.88 | 3.38 | 480-13/H | 480-23/H | 488-13/H | 488-23/H |
| 1. Bicuspid | -7° | 0° | 1.04 | 3.30 | 480-14/25 | 480-14/25 | 488-14/25 | 488-14/25 |
| 1. Bicuspid w hook | -7° | 0° | 1.04 | 3.30 | 480-14/15/H | 480-24/25/H | 488-14/15/H | 488-24/25/H |
| 2. Bicuspid | -7° | 0° | 1.04 | 3.30 | 480-14/25 | 480-14/25 | 488-14/25 | 488-14/25 |
| 2. Bicuspid w hook | -7° | 0° | 1.04 | 3.30 | 480-14/15/H | 480-24/25/H | 488-14/15/H | 488-24/25/H |

| LOWER | Torque | Ang | In/Out | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
|--------------------|--------|-----|--------|-------|------------|------------|------------|------------|
| Anterior | 0° | 0° | 1.09 | 2.80 | 480-31/42 | 480-31/42 | 488-31/42 | 488-31/42 |
| Cuspid | -11° | 7° | 0.88 | 2.08 | 480-43 | 480-33 | 488-43 | 488-33 |
| Cuspid w hook | -11° | 7° | 0.88 | 2.08 | 480-43/H | 480-33/H | 488-43/H | 488-33/H |
| 1. Bicuspid | -17° | 3° | 1.09 | 2.08 | 480-44 | 480-34 | 488-44 | 488-34 |
| 1. Bicuspid w hook | -17° | 3° | 1.09 | 2.08 | 480-44/H | 480-34/H | 488-44/H | 488-34/H |
| 2. Bicuspid | -21° | 6° | 1.19 | 2.13 | 480-45 | 480-35 | 488-45 | 488-35 |
| 2. Bicuspid w hook | -21° | 6° | 1.19 | 2.13 | 480-45/H | 480-35/H | 488-45/H | 488-35/H |

Cases-Single tray or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|--------------|-----------------|--------------|-----------------|--|
| 480-001 | 480-001/10 | 488-001 | 488-001/10 | DISCREET™ Bracket Upper + Lower 5-5 |
| 480-001/H | 480-001/H/10 | 488-001/H | 488-001/H/10 | DISCREET™ Bracket Upper + Lower 5-5 w. Hook on 3 |
| 480-001/H345 | 480-001/H345/10 | 488-001/H345 | 488-001/H345/10 | DISCREET™ Bracket Upper + Lower 5-5 w. Hook on 3-4-5 |

DISCREET™ BRACKETS MBT (McLaughlin/Bennett/Trevisi)*

| UPPER | Torque | Ang | In/Out | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--------------------|--------|-----|--------|-------|-------------|-------------|-------------|-------------|
| Central | 17° | 4° | 0.99 | 3.35 | 490-11 | 490-21 | 499-11 | 499-21 |
| Lateral | 10° | 8° | 1.27 | 3.45 | 490-12 | 490-22 | 499-12 | 499-22 |
| Cuspid | 0° | 8° | 0.93 | 3.38 | 490-13 | 490-23 | 499-13 | 499-23 |
| Cuspid w hook | 0° | 8° | 0.93 | 3.38 | 490-13/H | 490-23/H | 499-13/H | 499-23/H |
| 1. Bicuspid | -7° | 0° | 1.04 | 3.30 | 490-14/25 | 490-14/25 | 499-14/25 | 499-14/25 |
| 1. Bicuspid w hook | -7° | 0° | 1.04 | 3.30 | 490-14/15/H | 490-24/25/H | 499-14/15/H | 499-24/25/H |
| 2. Bicuspid | -7° | 0° | 1.04 | 3.30 | 490-14/25 | 490-14/25 | 499-14/25 | 499-14/25 |
| 2. Bicuspid w hook | -7° | 0° | 1.04 | 3.30 | 490-14/15/H | 490-24/25/H | 499-14/15/H | 499-24/25/H |

| LOWER | Torque | Ang | In/Out | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
|--------------------|--------|-----|--------|-------|------------|------------|------------|------------|
| Anterior | -6° | 0° | 1.42 | 2.80 | 490-31/42 | 490-31/42 | 499-31/42 | 499-31/42 |
| Cuspid | 0° | 3° | 0.78 | 2.08 | 490-43 | 490-33 | 499-43 | 499-33 |
| Cuspid w hook | 0° | 3° | 0.78 | 2.08 | 490-43/H | 490-33/H | 499-43/H | 499-33/H |
| 1. Bicuspid | -12° | 2° | 1.14 | 2.08 | 490-44 | 490-34 | 499-44 | 499-34 |
| 1. Bicuspid w hook | -12° | 2° | 1.14 | 2.08 | 490-44/H | 490-34/H | 499-44/H | 499-34/H |
| 2. Bicuspid | -17° | 2° | 1.19 | 2.13 | 490-45 | 490-35 | 499-45 | 499-35 |
| 2. Bicuspid w hook | -17° | 2° | 1.19 | 2.13 | 490-45/H | 490-35/H | 499-45/H | 499-35/H |

Cases-Single tray or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|--------------|-----------------|--------------|-----------------|--|
| 490-001 | 490-001/10 | 499-001 | 499-001/10 | DISCREET™ Bracket Upper + Lower 5-5 |
| 490-001/H | 490-001/H/10 | 499-001/H | 499-001/H/10 | DISCREET™ Bracket Upper + Lower 5-5 w. Hook on 3 |
| 490-001/H345 | 490-001/H345/10 | 499-001/H345 | 499-001/H345/10 | DISCREET™ Bracket Upper + Lower 5-5 w. Hook on 3-4-5 |

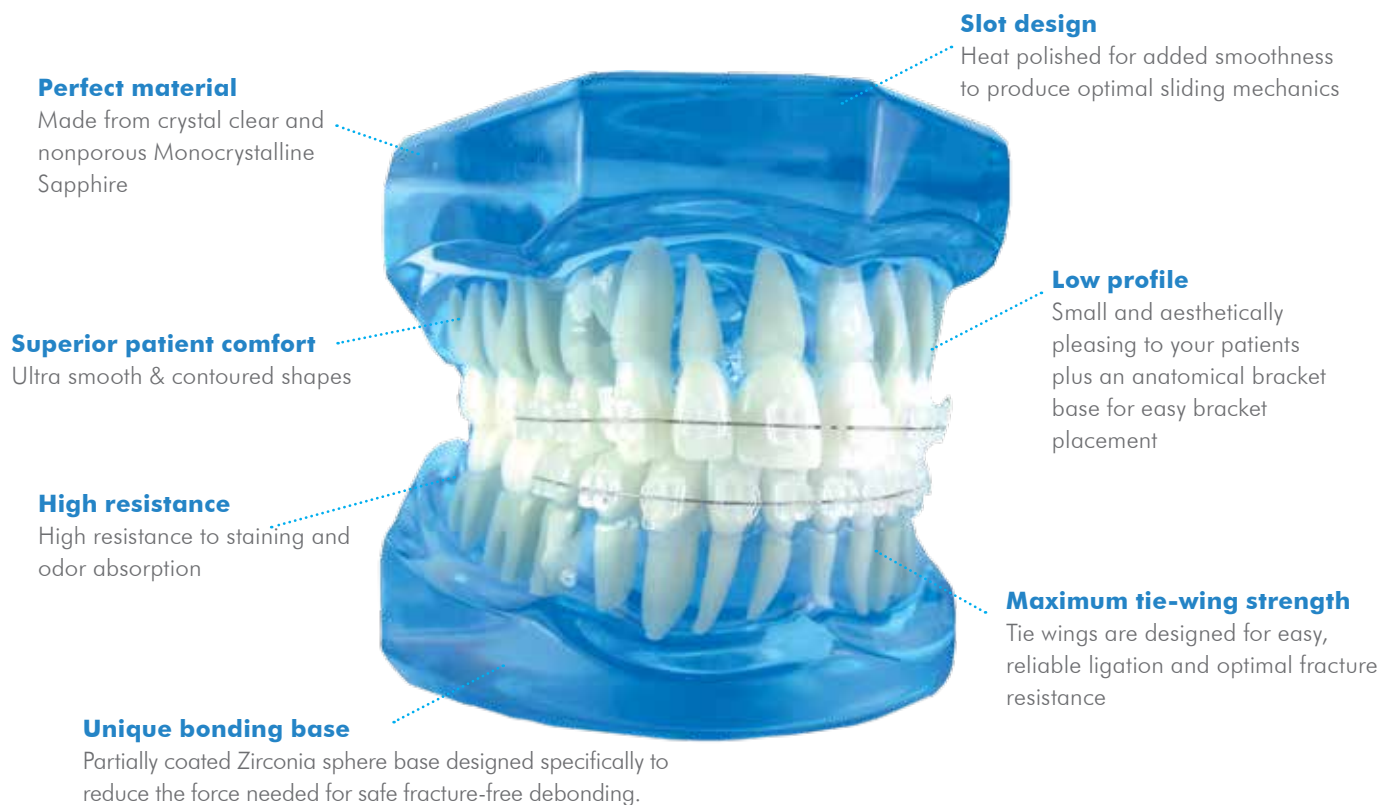
*The adenta version of this technique does not indicate endorsement by the doctor. They do not claim to be a duplication of any other

CLEAR Ceramic™ Bracket

Flawless, pure Monocrystalline Sapphire Ceramic brackets

A solid single crystal, continuous edge to edge with no grain boundaries produces maximum optical clarity

Most of the ceramic brackets on the market are made out of either polycrystalline or monocrystalline sapphire. The primary difference between these two materials is their optical clarity. Monocrystalline alumina ceramic brackets have a more translucent (clearer) appearance whereas polycrystalline brackets are more whitish (tooth colored). This form of alumina has been selected because of its superior physical strength and favorable optical and aesthetic properties. Our ceramics are nonporous, resistant to staining and eliminate the absorption of odors.



The Science behind bond strength

Micrographs show clearly our unique Double Fusion Method. The base of the bracket is coated with Zirconia powder, which produces Spheroid particles; each particle has a mass of tiny dendrites. These properties allow for a secure retention during the length of treatment and provide predictable and safe debonding at the end of treatment.



Correct material produces big advantages

Monocrystalline Sapphire alumina has a modulus of rupture greater than 35,000 psi (241.3 MPa). This strength is essential to producing a ceramic bracket without breakage issues. Standard ceramic brackets are rather bulky as they have to overcome the physical property limitations of other types of material, so they tend to be somewhat uncomfortable to the patient.

Monocrystalline Sapphire's strength enables us to offer a small and comfortable bracket for the patient. It offers our orthodontists the mechanical strength needed for predictable treatment.

CLEAR CERAMIC™ BRACKETS Roth*

| UPPER | Torque | Ang | In/Out | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--------------------|--------|-----|--------|-------|-------------|-------------|-------------|-------------|
| Central | 12° | 5° | 1.14 | 3.20 | 450-11 | 450-21 | 455-11 | 455-21 |
| Lateral | 8° | 9° | 1.46 | 2.90 | 450-12 | 450-22 | 455-12 | 455-22 |
| Cuspid | -2° | 9° | 0.52 | 3.50 | 450-13 | 450-23 | 455-13 | 455-23 |
| Cuspid w hook | -2° | 9° | 0.52 | 3.50 | 450-13/H | 450-23/H | 455-13/H | 455-23/H |
| 1. Bicuspid | -7° | 0° | 1.12 | 3.20 | 450-14/25 | 450-14/25 | 455-14/25 | 455-14/25 |
| 1. Bicuspid w hook | -7° | 0° | 1.12 | 3.20 | 450-14/15/H | 450-24/25/H | 455-14/15/H | 455-24/25/H |
| 2. Bicuspid | -7° | 0° | 1.12 | 3.20 | 450-14/25 | 450-14/25 | 455-14/25 | 455-14/25 |
| 2. Bicuspid w hook | -7° | 0° | 1.12 | 3.20 | 450-14/15/H | 450-24/25/H | 455-14/15/H | 455-24/25/H |

| LOWER | Torque | Ang | In/Out | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
|--------------------|--------|-----|--------|-------|------------|------------|------------|------------|
| Anterior | 0° | 0° | 1.44 | 2.83 | 450-31/42 | 450-31/42 | 455-31/42 | 455-31/42 |
| Cuspid | -11° | 7° | 0.80 | 3.50 | 450-43 | 450-33 | 455-43 | 455-33 |
| Cuspid w hook | -11° | 7° | 0.80 | 3.50 | 450-43/H | 450-33/H | 455-43/H | 455-33/H |
| 1. Bicuspid | -17° | 3° | 1.10 | 3.20 | 450-44 | 450-34 | 455-44 | 455-34 |
| 1. Bicuspid w hook | -17° | 3° | 1.10 | 3.20 | 450-44/H | 450-34/H | 455-44/H | 455-34/H |
| 2. Bicuspid | -21° | 6° | 1.10 | 3.20 | 450-45 | 450-35 | 455-45 | 455-35 |
| 2. Bicuspid w hook | -21° | 6° | 1.10 | 3.20 | 450-45/H | 450-35/H | 455-45/H | 455-35/H |

Cases-Single tray or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|--------------|----------------|--------------|-----------------|---|
| 450-001 | 450-001/10 | 455-001 | 455-001/10 | CLEAR™ Bracket Upper + Lower 5-5 |
| 450-001/H | 450-001/H/10 | 455-001/H | 455-001/H/10 | CLEAR™ Bracket Upper + Lower 5-5 w. Hook on 3 |
| 450-001/H345 | 450001/H345/10 | 455-001/H345 | 455-001/H345/10 | CLEAR™ Bracket Upper + Lower 5-5 w. Hook on 3-4-5 |

CLEAR CERAMIC™ BRACKETS MBT (McLaughlin/Bennett/Trevisi)*

| UPPER | Torque | Ang | In/Out | Width | U - R .018 | U - L .018 | U - R .022 | U - L .022 |
|--------------------|--------|-----|--------|-------|-------------|-------------|-------------|-------------|
| Central | 17° | 4° | 1.06 | 3.20 | 460-11 | 460-21 | 466-11 | 466-21 |
| Lateral | 10° | 8° | 1.45 | 2.90 | 460-12 | 460-22 | 466-12 | 466-22 |
| Cuspid | 0° | 8° | 1.00 | 3.50 | 460-13 | 460-23 | 466-13 | 466-23 |
| Cuspid w hook | 0° | 8° | 1.00 | 3.50 | 460-13/H | 460-23/H | 466-13/H | 466-23/H |
| 1. Bicuspid | -7° | 0° | 1.42 | 3.20 | 460-14/25 | 460-14/25 | 466-14/25 | 466-14/25 |
| 1. Bicuspid w hook | -7° | 0° | 1.42 | 3.20 | 460-14/15/H | 460-24/25/H | 466-14/15/H | 466-24/25/H |
| 2. Bicuspid | -7° | 0° | 1.42 | 3.20 | 460-14/25 | 460-14/25 | 466-14/25 | 466-14/25 |
| 2. Bicuspid w hook | -7° | 0° | 1.42 | 3.20 | 460-14/15/H | 460-24/25/H | 466-14/15/H | 466-24/25/H |

| LOWER | Torque | Ang | In/Out | Width | L - R .018 | L - L .018 | L - R .022 | L - L .022 |
|--------------------|--------|-----|--------|-------|------------|------------|------------|------------|
| Anterior | -6° | 0° | 1.50 | 2.83 | 460-41/42 | 460-31/32 | 466-41/42 | 466-31/32 |
| Cuspid | 0° | 3° | 0.88 | 3.50 | 460-43 | 460-33 | 466-43 | 466-33 |
| Cuspid w hook | 0° | 3° | 0.88 | 3.50 | 460-43/H | 460-33/H | 466-43/H | 466-33/H |
| 1. Bicuspid | -12° | 2° | 1.72 | 3.20 | 460-44 | 460-34 | 466-44 | 466-34 |
| 1. Bicuspid w hook | -12° | 2° | 1.72 | 3.20 | 460-44/H | 460-34/H | 466-44/H | 466-34/H |
| 2. Bicuspid | -17° | 2° | 1.72 | 3.20 | 460-45 | 460-35 | 466-45 | 466-35 |
| 2. Bicuspid w hook | -17° | 2° | 1.72 | 3.20 | 460-45/H | 460-35/H | 466-45/H | 466-35/H |

Cases-Single tray or 10-case tray

| 1 case .018 | 10 case .018 | 1 case .022 | 10 case .022 | Description |
|--------------|-----------------|--------------|-----------------|---|
| 460-001 | 460-001/10 | 466-001 | 466-001/10 | CLEAR™ Bracket Upper + Lower 5-5 |
| 460-001/H | 460-001/H/10 | 466-001/H | 466-001/H/10 | CLEAR™ Bracket Upper + Lower 5-5 w. Hook on 3 |
| 460-001/H345 | 460-001/H345/10 | 466-001/H345 | 466-001/H345/10 | CLEAR™ Bracket Upper + Lower 5-5 w. Hook on 3-4-5 |

EVOLUTION SLT™ Bracket

The almighty non-locking flexible clip - for a purer, more controlled lingual moment of force - healthy, safe and harmonious biologic forces.

Lingual orthodontics is not just about the bracket, its about combining all that we know about the difficulties of lingual treatment and producing an absolute streamline system. The aim to provide complete control of treatment to ensure precise transmission of the prescription with a precise and uncomplicated application, for fast efficient and safe tooth movement.

THE BRACKET

Ensure full bracket engagement of the archwire

A flexible spring clip gently and without loss of power pushes the arch wire to the slot base. This type of efficiency ensures effective rotation and torque control allowing earlier archwire changes and less visit frequency

Easy archwire insertion

Self-ligating clip opens at the incisal edge and allows insertion of the archwire from the occlusal direction in the anterior zone



Secure robust ligation

Secure, reliable ligation that can withstand the rigors of full orthodontic treatment, and provide the power for efficient tooth movement

Quick and easy to use

No complicated instrument is needed to operate the spring clip, it requires very little force to open or close, our doctors report fast archwire changes, and this simple operation requires a minimal learning curve for doctors and staff



Safety release function

The only self-ligating bracket in the world that opens when pressure is exceeded beyond a force known to be damaging the periodontal ligament

Built-in bite plane

Self-ligating clip design acts as a bite plane to facilitate the mechanics in cases of deep bite to provide controlled opening of the bite without further appliances. In addition a bite plane on the lower anteriors transformed the wearing forces produced the anteriors into compressive forces in the apical and labial directions

Passive & Active

Passive with round wires producing nearly frictionless movement and active with wires starting at .016x.016 puts you in control of treatment, creating efficiency and reducing undesirable, unpredictable and uncontrolled frictional forces

Locking self-ligating clips vs. Flexible non-locking self-ligating clip - the challenge was on!

Locking self-ligating clips dominate the self-ligation market, however over the past number of years research and clinical experiences have revealed a number of undesirable effects.....The challenge was to understand why this locking design was creating these undesirable effects and how should we design a clip to eliminate them.

DESIGN CHALLENGE - Understanding why locking clips create undesirable effects

Unacceptable forces

The need to force the arch wire to the bottom of the bracket slot just to close/lock the clip can create strong unacceptable forces. The ideal metabolic state is lost, treatment slows down and unhealthy damaging pressure could possibly be produced

Pain

Patients report pain and discomfort and require emergency visits after wire changes

Breakage and de-bonding issues

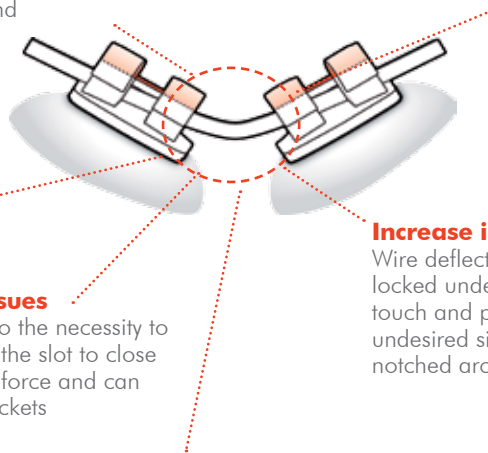
Clips can be easily damaged due to the necessity to push the archwire to the bottom of the slot to close the clip. This creates unacceptable force and can easily break clips and de-bond brackets

Undesired friction

When forces and angles are inappropriate for that stage of treatment, undesirable friction occurs. Tooth movement is uncontrolled, unpredictable and now force must be increased to overcome this friction for tooth movement

Increase in binding and notching

Wire deflection is increased as the clips hold the wire locked under a rigid wall. This angle permits the wire to touch and press against the locked clip, producing the undesired situation for binding, that ultimately creates a notched archwire



DESIGN SUCCESS - Understanding why a non-locking flexible clip eliminates undesirable effects

The ability to flex like an elastomeric and respond to the actual tooth position, produces the ideal metabolic state for safe and efficient tooth movement.



EVOLUTION SLT™
the softer side of braces

Reduction in friction

As the flexible clip does not need to be locked down, wire deflection is significantly reduced, binding is minimized and forces are within the ideal range, resulting in a significant reduction in friction

Ideal forces

Provides an active force of approx. 650 grams "power range", the ideal force required for the controlled pathology of Osteoclast and Osteoblast to be achieved. This ideal situation requires less force for tooth movement, lighter wires can be used and treatment progresses within a healthy range

No loss of power

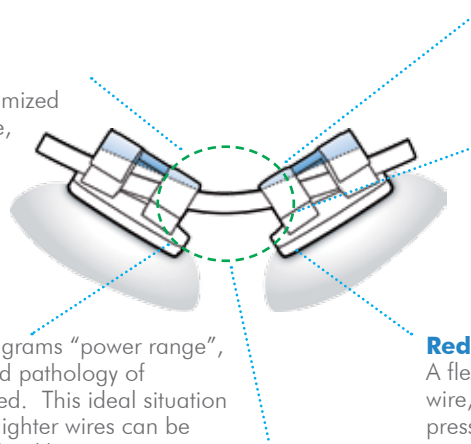
Designed to actively flex and adjust to the actual tooth position mimicking an elastomeric but without losing the power needed to control treatment

Reduction in pain

Flexing with the malocclusion produces less friction and appropriate pressure - patients report significantly less pain during treatment

Reduce binding - minimize notching

A flexing wall reduces the deflection on the archwire, the angle of the archwire is appropriate and pressure is ideal



Control of frictional forces during treatment

Findings suggest that self-ligating brackets are a great family of brackets that can generate different levels of force when coupled with thin, thick, rectangular or round archwires. At various stages in the orthodontic treatment we need frictional forces to be at a certain level. This situation occurs in the middle and end of treatment, when it is necessary to obtain an adequate torque. This is to say, whenever we need the most dental control possible.

In order to move teeth, frictional force is necessary - here we are referring to forces that we are controlling to make the movements we require.

Passive with smaller wires, producing nearly frictionless movement resulting in an efficiency increase in the leveling stage



Active with wires starting from .016x.016" (1-2-3) anterior zone and .016x.022" (4-7) bicuspid and molar zone - the bracket clip actively but gently guides the wire into the slot, creating early torque control and reducing treatment time by creating efficiency



The EVOLUTION SLT™ self-ligating spring clip is engaged even if the wire does not fill the slot.

Flexible self-ligating clip with built in safety release

Optimal tooth movement requires permanent blood supply to the surrounding tissue to produce the ideal metabolic state for safe and efficient tooth movement.

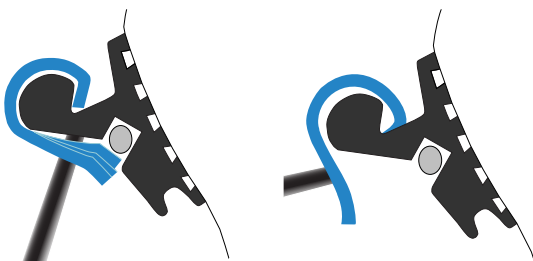
The active force of the self-ligating clip is approx. 650 grams "power range", the ideal force required for the controlled pathology of Osteoclast and Osteoblast to be achieved. This ideal situation requires less force for tooth movement, lighter wires can be used, and permanent blood supply to all surrounding periodontal tissues ensures healthy, safe and fast progressing tooth movement.

The self-ligating clip functions as an active flexible spring and is designed to alleviate pressure appropriately when force is exceeded over 900 grams. Force beyond this threshold might start to block the blood supply and create an unsafe situation, the ideal metabolic state is lost and treatment becomes unhealthy and ineffective.



Easy to open - Easy to close

Very little force is needed to open and close the bracket, creating optimum handling for the doctor and comfort for the patient.



THE INDIRECT BONDING SYSTEM



The SMART Lingual Indirect Bonding System provides a secure, repeatable, fast and precise method customized to the patients' case and habits of the practitioner.

Straight wire appliances make it imperative that the brackets be positioned with accuracy in order to fully exploit the interaction of their written prescription. The SMART Lingual Indirect Bonding System offers the orthodontist the precision of the HIRO technique with the speed and efficiency of a full bonding tray, or individual tooth cap. You choose which option works best for you - or combine the advantages of both options for ultimate customizing to best suit your needs. This system has complete flexibility, even teeth that are difficult to isolate or rebonds are simple and easy to handle.

2-TRAY FREEDOM-SYSTEM

Individual tooth bonding



Individual tray and full tray combination



Freedom to choose - combining speed, precision and customization that suits individual needs and practices.

Two systems in one:

Using both tray options together combines the speed of a full bonding tray, with the accuracy and precision of the HIRO technique. The desired bracket positions are encoded in a non-deformable individual transfer cap. These individual transfer caps sit snugly in a full silicone transfer tray. This provides the orthodontist the freedom to choose which indirect bonding method suits best, or combine together for speed and accuracy all in one system.



Full tray option:

The full tray option provides fast and efficient bonding of the brackets, and as the transfer tray is made of a special silicone material, it is flexible enough to adapt to minor tooth movements that often can happen between impression taking and bracket bonding. This provides the orthodontist with complete freedom to bond as their schedule permits, without the worry of additional tooth movement after impression taking.



Individual tray option:

Individual indirect bonding caps are also included, and are located inside the silicon tray, these caps are removed easily when needed. The individual cap is made of hard non-deformable light cured Triad material, and ensures precise transference of the written prescription. When crowding and space restraints are at their highest, the individual cap can be used - each individual cap is customized perfectly for each tooth, now one tooth can be bonded at a time. Bonding using the individual cap also offers the orthodontist a clear visual view of the bracket, now any excessive bonding material can be seen easily and removed before light curing.



BONDING OPTIONS

EVOLUTION SLT™ SMART CAP™ LINGUAL BONDING SYSTEM



Individual SMART CAP™ indirect bonding tray



Full tray SMART CAP™ indirect lingual bonding



THE LAB EVOLUTION™ SLT SMART CAP™ Components



SMART BASE

The Smart Base is the basic module of the EVOLUTION SLT SMART CAP™ Bonding System. This prefabricated part with its ball button is the connection module between the individual cap on the elastic tray, or the Smart Stick, when used individually.



SMART TUBE

The Smart Tube is an individual prefabricated PE cap, precisely matching the dimensions of the EVOLUTION™ SLT bracket and fixes the bracket securely.



SMART CONNECTOR

The Smart Connector is a metal sheet, connecting Smart Base and Smart Tube. These two prefabricated elements form an inseparable unit creating remarkably unique bonding precision.



SMART STICK

The Smart Stick can be connected to the ball button of the Smart Base for comfortable placement of single individual transfer caps. It allows precise alignment and secure fixation of the individual transfer cap. It can be put on the rear side of the EVOLUTION SLT™ opening and closing instrument, offering comfortable handling.

CERTIFIED LABS



GERMANY

Owner: Thomas Halbich

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Tel.: +49 30 618 22 98 Fax: +49 30 618 71 10

E-Mail: info@halbich-lingual.de

Internet: www.halbich-lingual.de

SERVICES

Bonding methods:

EVOLUTION SLT™ Smart Cap
indirect method

EVOLUTION SLT™ Smart Jig
indirect method

JOY™
indirect modified Hiro method

LAB^{TEC} Certified



SPAIN

Lingual Orthodontic

LADENT LAB

Centro de ortodoncia y ATM LADENT, SL
LLeó 11-13 1st floor, 08911 Badalona, Spain

Phone: +34 93 384 47 05 Fax: +34 93 384 41 53

E-mail: n.pesic@centroladent.com

Internet: www.centroladent.com

Bonding methods:

EVOLUTION SLT™ Smart Cap
indirect method

EVOLUTION SLT™ Smart Jig
indirect method

JOY™ CLO³
indirect method

LAB^{TEC} Certified



U.S.A

Owner: Remo Sagastume

ORTHO LINGUAL LAB

2201 Delcrest Lane, Springville, CA U.S.A 91977

Phone: (619) 469-4356 Mobile Phone: (858) 945-0923

Email: remo@ortholinguallab.com

Internet: www.ortholinguallab.com

Bonding methods:

EVOLUTION SLT™ Smart Cap
indirect method

EVOLUTION SLT™ Smart Jig
indirect method

JOY™
indirect modified Hiro method



LINGUAL SUCCESS STORIES



DR. HATTO LOIDL - Building your unique reputation

Berlin, GERMANY - Dr. Loidl wanted to stand out in the crowd - now 13 years later his practice is primarily known for its fast treatment time due to a focus in self-ligating, and also for a completely invisible option for his patients that delivers high quality results.

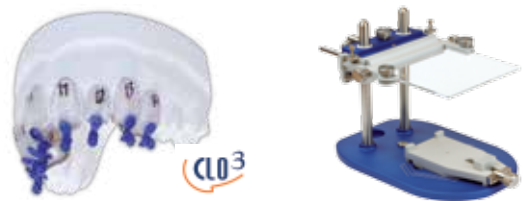
"Working primarily within the self-ligating field really got my potential patients attention. The system is streamlined and predictable and fulfills my need to complete all my cases to my absolute satisfaction - without compromise"



DR. PABLO ECHARRI - Streamlining the lingual technique

Barcelona, SPAIN - Dr. Echarri works directly with the certified lab LADENT in Spain. His chosen method of indirect bonding is called **CLO³**. This method can easily be applied to both the EVOLUTION SLT™ and JOY™ lingual brackets.

LADENT recently completed the LABTEC certification. The LABTEC laboratory line was developed in order to standardize, streamline, and expedite the lab process for creating and modifying dental models, and assures at the same time the indispensable precision, appealing optics and fine-tuning adjustment for dental, surgical, and Set-Up models.



DR. VICTOR GRAZINA - Stress-free | Routine Appointments

East Hampton, NY - Dr. Grazina fondly known as "Dr. V" by his patients, introduced a new concept to his practice to serve the growing demand in his area for fast invisible orthodontics.

"In our office, the only difference between a lingual patient and a labial patient is that the lingual patient refers much more often! I've found limited lower lingual to be an excellent profit generator. Easy to sell, easy to treat and patients are raving fans- often referring friends and family!"



DR. MICHAEL SCHUBERT - Lingual treatment and alignment of impacted cuspid

Dr. Michael Schubert inventor of the EASY-WAY-COIL™ system modified his system to work in conjunction with lingual treatment.

"Lingual treatment can progress quickly, even if I need to align an impacted tooth. With the EASY-WAY-COIL, I am in control of force and direction. Choosing the right force minimizes root damages and reduces treatment time."



EVOLUTION SLT™ prescriptions and order info

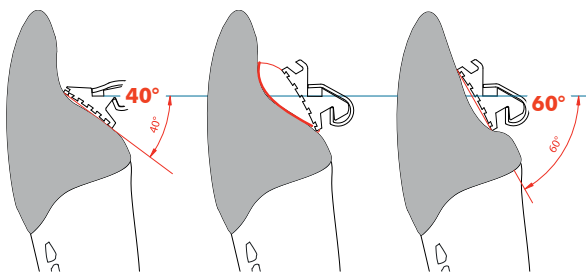
EVOLUTION SLT™ Brackets

| UPPER | U - R 40° | U - L 40° | U - R 60° | U - L 60° |
|-------------------|-----------|-----------|-----------|-----------|
| Central | | | | |
| Lateral | 300-40 | 300-40 | 300-60 | 300-60 |
| Cuspid | | | | |
| Tooth | U - R | U - L | U - R | U - L |
| 1. & 2. Bicuspid | 300-14/45 | 300-14/45 | 300-14/45 | 300-14/45 |
| 1. Molar WIDE | 300-10W | 300-10W | 300-10W | 300-10W |
| 2. Molar STANDARD | 300-10S | 300-10S | 300-10S | 300-10S |

| LOWER | U - R 40° | U - L 40° | U - R 60° | U - L 60° |
|-------------------|-----------|-----------|-----------|-----------|
| Anteriors | | | | |
| Cuspid | 300-40 | 300-40 | 300-60 | 300-60 |
| | | | | |
| Tooth | U - R | U - L | U - R | U - L |
| 1. & 2. Bicuspid | 300-14/45 | 300-14/45 | 300-14/45 | 300-14/45 |
| 1. Molar WIDE | 300-10W | 300-10W | 300-10W | 300-10W |
| 2. Molar STANDARD | 300-10S | 300-10S | 300-10S | 300-10S |

EVOLUTION SLT™ Cases

| 1 case 40° | 10 case 40° | 1 case 60° | 10 case 60° | Description |
|------------|---------------|------------|---------------|--------------------------------------|
| 300-001/40 | 300-001/10/40 | 300-001/60 | 300-001/10/60 | EVOLUTION™ Bracket Upper + Lower 5-5 |
| 300-007/40 | 300-007/10/40 | 300-007/60 | 350-007/10/60 | EVOLUTION™ Bracket Upper + Lower 7-7 |



Which bracket – 40° or 60°?

Due to the variation of the lingual crown surface, EVOLUTION SLT™ brackets are available with 40° and 60° base inclination. Choosing the correct degree will help keep the customized base to be as thin as possible, creating a lower and more comfortable profile.

NOTE: Degree values are NOT torque or tip values, but only lingual crown anatomical inclination values.

EVOLUTION SMART JIG™ and SMART CAP™



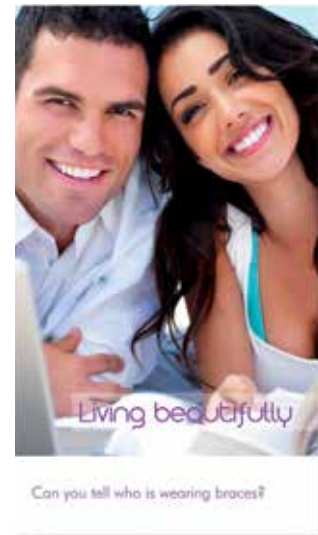
| UPPER | SMART JIG | SMART BASE | SMART CONNECTOR |
|-------------|-----------|------------|-----------------|
| Central | | | |
| Lateral | 300-SJ-1 | 300-UB | 300-UC |
| Cuspid | | | |
| 1. Bicuspid | 300-SJ-2 | 300-UB | 300-UC |
| 2. Bicuspid | 300-SJ-2 | 300-UB | 300-UC |
| 1. Molar | 300-SJ-3 | 300-UB | 300-UC |
| 2. Molar | 300-SJ-3 | 300-UB | 300-UC |

| LOWER | SMART JIG | SMART BASE | SMART CONNECTOR |
|-------------|-----------|------------|-----------------|
| Anteriors | 300-SJ-1 | 300-UB | 300-UC |
| 1. Bicuspid | 300-SJ-2 | 300-UB | 300-UC |
| 2. Bicuspid | 300-SJ-2 | 300-UB | 300-UC |
| 1. Molar | 300-SJ-3 | 300-UB | 300-UC |
| 2. Molar | 300-SJ-3 | 300-UB | 300-UC |

New invisible orthodontic marketing materials and crystal blue typodonts are now available



20" x 30" Full color CLEAR-POSTER



Tri-fold Brouchure



**MORE
INFO**



More details on
page 45



EVOLUTION SLT™
Typodont



adenta's Lingual Archwires - offset free



The adenta wires are specifically designed to produce ultra-low deflection forces, this is imperative due to the decrease in inter-bracket distance in the lingual treatment.

The anatomy of the lingual arch is positioned in such a way that it is customary to offset your lingual wire at the canine and sometimes another offset at the distal face of the

second premolar. This offset bend will adjust the lingual wire form and follow the lingual arch, avoiding the molars. All adenta lingual wires are supplied without a lingual offset. This eliminates the need to stock many different offset sizes and make numerous adjustments to make the offset fit. With our offset free lingual wire the orthodontist can create an offset that fits perfectly and eliminates the need for further adjustments. Less forming in turn lessens the chance of improper torque, as perfect symmetry is the ultimate aim.

THERMADENT™ / heat activated NiTi

| | | Size 1 | Size 2 | Size 3 | Size 4 |
|----------|---------------|------------|------------|------------|------------|
| 5 pieces | .012" | NNTL112 | NNTL212 | NNTL312 | NNTL412 |
| | .014" | NNTL114 | NNTL214 | NNTL314 | NNTL414 |
| | .016" | NNTL116 | NNTL216 | NNTL316 | NNTL416 |
| 5 pieces | .016" x .016" | NNTL116x16 | NNTL216x16 | NNTL316x16 | NNTL416x16 |
| | .016" x .022" | NNTL116x22 | NNTL216x22 | NNTL316x22 | NNTL416x22 |
| | .017" x .025" | NNTL117x25 | NNTL217x25 | NNTL317x25 | NNTL417x25 |

FLEXADENT™ Nickel Titanium superelastic

| | | Size 1 | Size 2 | Size 3 | Size 4 |
|----------|-------|---------|---------|---------|---------|
| 5 pieces | .014" | NNTL114 | NNTL214 | NNTL314 | NNTL414 |

TRIDENT™ CNA BETA III/TM

| | | Size 1 | Size 2 | Size 3 | Size 4 |
|----------|---------------|------------|------------|------------|------------|
| 5 pieces | .016" x .016" | CNAL116x16 | CNAL216x16 | CNAL316x16 | CNAL416x16 |
| | .016" x .022" | CNAL116x22 | CNAL216x22 | CNAL316x22 | CNAL416x22 |
| | .017" x .025" | CNAL117x25 | CNAL217x25 | CNAL317x25 | CNAL417x25 |

DURADENT™ Stainless Steel

| | | Size 1 | Size 2 | Size 3 | Size 4 |
|-----------|-------|--------|--------|--------|--------|
| 10 pieces | .016" | STL116 | STL216 | STL316 | STL416 |

How to bend the lingual Offsets?



This bend can be completed with a NiTi thin Three Prong Pliers for the heat activated wires and a Bird Beak for all other wires.

1. Mark the position of the distal face of the canine with a wax marker.
2. Place the Three Prong Pliers on this mark and bend 90 degrees.
3. With a wax pencil mark the distance to the first premolar and bend 90 degrees.
4. Make the same adjustment to fit the premolar/molar relation, if necessary.
5. Eliminate any torque that would cause the wire to lift.



JOY™ Lingual Bracket

Freedom for the tongue, full treatment control for the orthodontist



JOY™ advantages at a glance

- A perfect and truly undetectable alternative to aligners, as no patient compliance is required and they are truly undetectable
- Frictionless with archwires up to .016"
- Choose between indirect (3D) or direct (2D) bonding
- Cost effective
- Minimize high laboratory costs
- Easy to handle
- Ultra precise due to CNC production

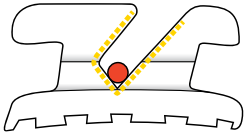
Slim profile and superior treatment - The JOY™ Lingual Bracket

The adenta JOY™ lingual bracket offers many patients the ideal solution, to discretely, quickly, and comfortably correct misalignments. Designed specifically for adult cases that have relapsed or that only require two dimensional treatments.

JOY™ lingual is one of the smallest lingual brackets on the market today, and offers unlike other systems a manifold of treatment options. It is a cost effective treatment system designed to easily fit into the busiest of practices, offering highest patient comfort and uncomplicated direct bond application.

3D application is also possible by using an indirect method - contact our certified lingual labs for more details. Lingual Lab contact information can be found on Page 37.

Choose between direct and indirect bonding



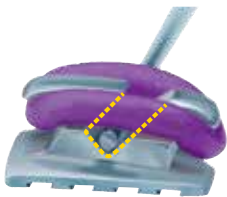
2D as well as 3D treatment options

The JOY™ lingual bracket is designed specifically for adult cases that have relapsed or that only require two dimensional treatment. If the 3rd dimension of torque is required, the use of rectangular wires and an indirect tray is recommended.



Excellent biomechanics resulting in remarkably short treatment time

The bracket is bonded close to the center of resistance, offering excellent biomechanics for tipping and rotating teeth. The first treatment phase can be achieved remarkably fast, as all 2 dimensional cases mostly range from 12 to 18 weeks. Generally, only 1-2 wires are required so treatment is fast, predictable, and completely in your control.



Minimal Friction and optimal control of tooth rotation and inclination

The JOY™ brackets unique twin shoulder wing design enables the elastic ligature to sit clear of the archwire in the slot. This supporting wing design reduces friction significantly between archwire and the elastic ligature with wires up to .016". This reduction in friction enables the leveling phase to move more rapidly and efficiently.



Taking into consideration that different bracket dimensions are required for the treatment of pre-molars, the JOY™ (pre-)molar brackets are designed as a true 4 wing bracket in order to offer the mesio-distal slot dimensions necessary for outstanding rotation and tip control for pre-molars and molars.



Small In/Out

The low profile achieved by a true one piece milled bracket, provides minimal IN/OUT dimensions. The bio-force application can now sit closer to the lingual crown of the tooth.

Clinical Cases

Adult Treatment - Treatment Time 4 months

Pictures made by and property of Dr. Hatto Loidl, Germany



JOY™ prescriptions and order info

| | UPPER 40° | UPPER 60° |
|---------|-----------|-----------|
| Central | 350-40U | 350-60U |
| Lateral | | |
| Cuspid | | |

| | LOWER 40° | LOWER 60° |
|-----------------|-----------|-----------|
| Lower Anteriors | 350-40L | 350-60L |
| Cuspid | | |

| | UPPER & LOWER |
|-------------------|---------------|
| 1. & 2. Bicuspids | 350-14/45 |
| 1. & 2. Molar | 350-16/47 |

| 1 case 40° | 10 case 40° | 1 case 60° | 10 case 60° | Description |
|------------|---------------|------------|---------------|--------------------------------|
| 350-001/40 | 350-001/10/40 | 350-001/60 | 350-001/10/60 | JOY™ Bracket Upper + Lower 5-5 |
| 350-003/40 | 350-003/10/40 | 350-003/60 | 350-003/10/60 | JOY™ Bracket Upper + Lower 3-3 |
| 350-007/40 | 350-007/10/40 | 350-007/60 | 350-007/10/60 | JOY™ Bracket Upper + Lower 7-7 |

Bracket Tray Options - for all bracket types



Clear white inlay tray - max. 10 cases



Clear black inlay tray - max. 1 case

Bracket Tray order info

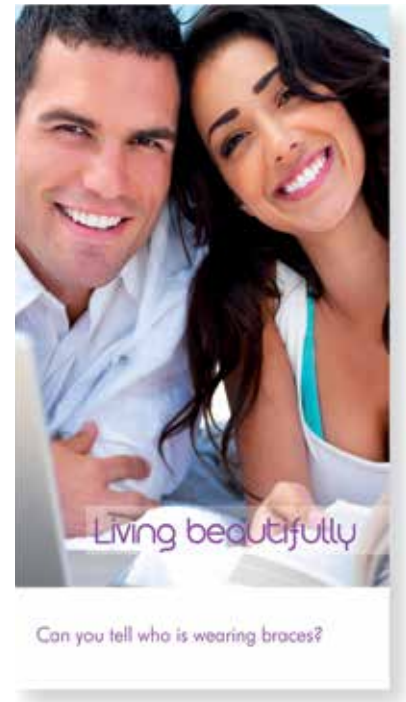
| Description | Item# |
|--|-------|
| Bracket Tray clear - white inlay - max. 10 cases | VMT1 |
| Bracket Tray black - black inlay - 1 case | VMT-H |

Marketing Materials Generate Patient Interest

Posters & flyers can now be personalized with your name and logo and blue typodonts are available for each bracket type.



20" x 30" Full color CLEAR-POSTER



Tri-fold Brochure

Crystal Blue Presentation Typodonts available for each bracket type



FLAIR SLT™



CROWN™ & CROWN MINI™



ECONOLINE™



BIJOU™



DISCREET™



CLEAR™



EVOLUTION SLT™



JOY™

| Description | Item# | Description | Item# | Description | Item# |
|-------------------------------------|----------|----------------------------|--------------|--------------------------------|---------------|
| Poster- any bracket - photo 20x30 | P-20x30 | Blue Typodont - FLAIR™ | 71-FLAIR | Blue Typodont - DISCREET™ | 71-DISCREET |
| Poster- any bracket - canvas 20x30 | PC-20x30 | Blue Typodont - CROWN™ | 71-CROWN | Blue Typodont - EVOLUTION™ SLT | 71- EVOLUTION |
| Poster- any bracket - acrylic 20x30 | PA-20x30 | Blue Typodont - ECONOLINE™ | 71-ECONOLINE | Blue Typodont - JOY LINGUAL™ | 71-JOY |
| | | Blue Typodont - BIJOU™ | 71-BIJOU | | |

TOP FIT™ Buccal Tubes



Octagon Headgear Tube minimizes friction by utilizing single point contact on the interior walls.

Torque in the Base gives you level slot line-up and a low profile design, which reduces occlusal interference.

Trumpeted headgear facilitates facebow insertion, which maximizes patient comfort.

Chamfering helps guide the arch wire into that seemingly impossible slot.

Comfort Hook was integrally designed to allow for several adjustments without separation. The design, coupled with the malleability, allows you to maximize patient comfort by bending the hook away from the gingival and later extending it when a hook is required.

Available Three Ways: Bondable, Weldable, or Pre-Welded!

All buccal tubes offered by adenta are available with direct bond bases, weldable for welding your own assemblies, or pre-welded directly on bands to meet your specific needs and provide added convenience.

TOP FIT™ Non-Convertible Tubes prescriptions and order info

Single NON-CONVERTIBLE



Maxillary 1st & 2nd Molar Single NON-CONVERTIBLE

| | | | | | | | |
|----------|--------|------------|------------|------------|------------|------------|------------|
| | Torque | 0° | | -10° | | -14° | |
| | Offset | 0° | | 8° | | 10° | |
| | Rx | STD | | Roth* | | MBT* | |
| | M/D | 4.2 mm | | 4.2 mm | | 4.2 mm | |
| | R/L | R | L | R | L | R | L |
| | ID | | | | | | |
| Weldable | .018 | TFS3-821 | TFS3-822 | TFS3-825 | TFS3-826 | TFS3-833 | TFS3-834 |
| | .022 | TFS3-221 | TFS3-222 | TFS3-225 | TFS3-226 | TFS3-233 | TFS3-234 |
| Bondable | .018 | TFS3B-821E | TFS3B-822E | TFS3B-825E | TFS3B-826E | TFS3B-833E | TFS3B-834E |
| | .022 | TFS3B-221E | TFS3B-222E | TFS3B-225E | TFS3B-226E | TFS3B-233E | TFS3B-234E |

Mandibular 1st & 2nd Molar Single NON-CONVERTIBLE

| | | | | | | | |
|----------|--------|------------|------------|------------|------------|------------|------------|
| | Torque | 0° | | -20° | | -25° | |
| | Offset | 0° | | 0° | | 5° | |
| | Rx | STD | | MBT* | | Roth* | |
| | M/D | 4.2 mm | | 4.2 mm | | 4.2 mm | |
| | R/L | R | L | R | L | R | L |
| | ID | | | ▲ | ▲ | | |
| Weldable | .018 | TFS3-822 | TFS3-821 | TFS3-809 | TFS3-810 | TFS3-827 | TFS3-828 |
| | .022 | TFS3-222 | TFS3-221 | TFS3-209 | TFS3-210 | TFS3-227 | TFS3-228 |
| Bondable | .018 | TFS3B-822E | TFS3B-821E | TFS3B-809E | TFS3B-810E | TFS3B-827E | TFS3B-828E |
| | .022 | TFS3B-222E | TFS3B-221E | TFS3B-209E | TFS3B-210E | TFS3B-227E | TFS3B-228E |

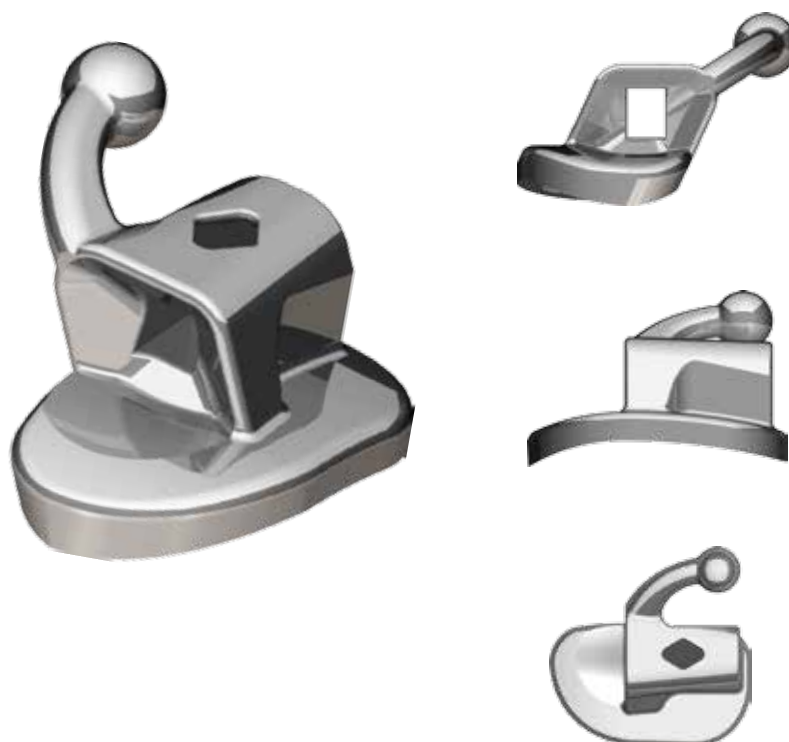
* The adenta version of the MBT and Roth Rx is not implied to be an exact version of any other system, nor do we claim any endorsement by the doctors. MBT is a trademark of 3M Unitek Corporation.

TOP FIT™ Low Profile Mini 2nd Tube prescriptions and order info

Low Profile Mini 2nd Tube

Specially designed for partially erupted 2nd Molars TOP FIT™ Mini Low Profile Tubes incorporate all of the great features as our standard TOP FIT™ series, but in a small feature-rich design that allows for earlier bonding of partially erupted second molars. The TOP FIT™'s trumpeted entrance facilitates easy wire insertion. Wires are guided easily and gently into TOP FIT™'s expansive entrance, simplifying archwire adjustments and saving valuable chair time. Bonds with less effort by the clinician and less soft tissue trauma to the patient.

- Trumpeted opening for easy insertion of wires.
- Comfort hook design provides maximum patient comfort.
- Designed to fit easily and precisely on the mesial buccal cusp of 2nd molars.
- Bi-directional pylons on base coupled with our EDM surface finish enhances bond strength.
- The mesially placed compound contour pad allows more surface area for additional bond strength.



Maxillary & Mandibular 2nd Molar Low Profile Mini

| | Torque | 0° | | -10° | | -14° | | -25° | |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | Offset | 0° | | 0° | | 0° | | 0° | |
| | M/D | 2.5 mm | | 2.5 mm | | 2.5 mm | | 2.5 mm | |
| | R/L | UR/LL | UL/LR | UR | UL | UR/LL | UL/LR | LR | LL |
| | ID | | | | | | | | |
| | | | | | | | | | |
| Bondable | .018 | MB-821 | MB-822 | MB-831 | MB-832 | MB-835 | MB-836 | MB-833 | MB-834 |
| | .022 | MB-221 | MB-222 | MB-231 | MB-232 | MB-235 | MB-236 | MB-233 | MB-234 |

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TOP FIT™ Convertible Tubes prescriptions and order info

Single CONVERTIBLE



Maxillary 1st Molar Single CONVERTIBLE

| Maxillary 1 st Molar Single CONVERTIBLE | | | | | | | | | |
|--|--------|----------|----------|--------|--------|----------|----------|--------|--------|
| | Torque | -10° | | -10° | | -10° | | -10° | |
| | Offset | 0° | | 5° | | 8° | | 12° | |
| | Rx | — | | — | | Roth* | | — | |
| | M/D | 3.5 mm | | 3.5 mm | | 3.5 mm | | 3.5 mm | |
| | R/L | R | L | R | L | R | L | R | L |
| Weldable | .018 | SC-803 | SC-804 | SC-813 | SC-814 | SC-805 | SC-806 | SC-809 | SC-810 |
| | .022 | SC-203 | SC-204 | SC-213 | SC-214 | SC-205 | SC-206 | SC-209 | SC-210 |
| Bondable | .018 | SCB-803E | SCB-804E | — | — | SCB-805E | SCB-806E | — | — |
| | .022 | SCB-203E | SCB-204E | — | — | SCB-205E | SCB-206E | — | — |

Mandibular 1st Molar Single CONVERTIBLE

| Mandibular 1 st Molar Single CONVERTIBLE | | | | | | | |
|---|--------|----------|----------|----------|----------|--------|--------|
| | Torque | -20 | | -25 | | -25 | |
| | Offset | 0° | | 5° | | 12° | |
| | Rx | MBT* | | Roth* | | – | |
| | M/D | 3.5 mm | | 3.5 mm | | 3.5 mm | |
| | R/L | R | L | R | L | R | L |
| Weldable | .018 | SC-815 | SC-816 | SC-807 | SC-808 | SC-811 | SC-812 |
| | .022 | SC-215 | SC-216 | SC-207 | SC-208 | SC-211 | SC-212 |
| Bondable | .018 | SCB-815E | SCB-816E | SCB-807E | SCB-808E | – | – |
| | .022 | SCB-215E | SCB-216E | SCB-207E | SCB-207E | – | – |

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TOP FIT™ Non-Convertible Tubes prescriptions and order info

Single NON-CONVERTIBLE



Maxillary 1st & 2nd Molar Single NON-CONVERTIBLE

| Torque | | 0° | | 0° | | -10° | | -10° | | -14° | |
|----------|------|-----------|-----------|---------|---------|-----------|-----------|---------|---------|-----------|-----------|
| Offset | | 0° | | 8° | | 8° | | 0° | | 10° | |
| Rx | | — | | — | | Roth* | | — | | MBT* | |
| M/D | | 3.5 mm | | 3.5 mm | | 3.5 mm | | 3.5 mm | | 3.5 mm | |
| R/L | | R | L | R | L | R | L | R | L | R | L |
| Weldable | .018 | SNC-821 | SNC-822 | SNC-823 | SNC-824 | SNC-825 | SNC-826 | SNC-831 | SNC-832 | SNC-833 | SNC-834 |
| | .022 | SNC-221 | SNC-222 | SNC-223 | SNC-224 | SNC-225 | SNC-226 | SNC-231 | SNC-232 | SNC-233 | SNC-234 |
| Bondable | .018 | SNCB-821E | SNCB-822E | — | — | SNCB-825E | SNCB-826E | — | — | SNCB-833E | SNCB-834E |
| | .022 | SNCB-221E | SNCB-222E | — | — | SNCB-225E | SNCB-226E | — | — | SNCB-233E | SNCB-234E |

Mandibular 1st & 2nd Molar Single NON-CONVERTIBLE

| Torque | | 0° | | 0° | | -10° | | -25° | |
|----------|------|-----------|-----------|---------|---------|-----------|-----------|-----------|-----------|
| Offset | | 0° | | 5° | | 0° | | 5° | |
| Rx | | — | | — | | — | | Roth* | |
| M/D | | 3.5 mm | | 3.5 mm | | 3.5 mm | | 3.5 mm | |
| R/L | | R | L | R | L | R | L | R | L |
| Weldable | .018 | SNC-822 | SNC-821 | SNC-829 | SNC-830 | SNC-832 | SNC-831 | SNC-827 | SNC-828 |
| | .022 | SNC-222 | SNC-221 | SNC-229 | SNC-230 | SNC-232 | SNC-231 | SNC-227 | SNC-228 |
| Bondable | .018 | SNCB-822E | SNCB-821E | — | — | SNCB-832E | SNCB-831E | SNCB-827E | SNCB-828E |
| | .022 | SNCB-222E | SNCB-221E | — | — | SNCB-232E | SNCB-231E | SNCB-227E | SNCB-228E |

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TOP FIT™ Non-Convertible Tubes prescriptions and order info

Combination CONVERTIBLE HG-Gingival / Lip Bumper



Maxillary 1st Molar Combination CONVERTIBLE HG-Gingival

| | | | | | | | | | |
|----------|----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|---------|
| | Torque | -10° | | | | -14° | | | |
| | Offset | 8° | | | | 10° | | | |
| | Rx | Roth* | | | | MBT* | | | |
| | Aux Tube | — | | | | — | | | |
| | M/D | 3.5 mm | | | | 3.5 mm | | | |
| | HG I.D. | .045"Ging | | .051"Ging | | .045"Ging | | .051"Ging | |
| | R/L | R | L | R | L | R | L | R | L |
| Weldable | .018 | CCG-815 | CCG-816 | CCG-855 | CCG-856 | CCG-817 | CCG-818 | CCG-857 | CCG-858 |
| | .022 | CCG-215 | CCG-216 | CCG-255 | CCG-256 | CCG-217 | CCG-218 | CCG-257 | CCG-258 |
| Bondable | .018 | CCGB-815E | CCGB-816E | — | — | CCGB-817E | CCGB-818E | — | — |
| | .022 | CCGB-215E | CCGB-216E | — | — | CCGB-217E | CCGB-218E | — | — |

Mandibular 1st Molar Combination CONVERTIBLE HG-Gingival

| | | | |
|----------|-----------|------------|------------|
| Torque | -25° | | |
| Offset | 5° | | |
| Rx | Roth* | | |
| Aux Tube | — | | |
| M/D | 3.5 mm | | |
| HG I.D. | .045"Ging | | |
| R/L | R | | L |
| Weldable | .018 | CCGL-807 | CCGL-808 |
| | .022 | CCGL-207 | CCGL-208 |
| Bondable | .018 | CCGLB-807E | CCGLB-808E |
| | .022 | CCGLB-207E | CCGLB-208E |

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TOP FIT™ Convertible Tubes prescriptions and order info

Combination CONVERTIBLE HG-Occlusal



Maxillary 1st Molar Combination CONVERTIBLE HG-Occlusal

| | | | | |
|----------|-----------|-----------|-----------|---------|
| Torque | -10° | | | |
| Offset | 8° | | | |
| Rx | Roth* | | | |
| Aux Tube | — | | | |
| M/D | 3.5 mm | | | |
| HG I.D. | .045"Occl | | .051"Occl | |
| R/L | R | L | R | L |
| Weldable | .018 | CCO-805 | CCO-806 | CCO-855 |
| | .022 | CCO-205 | CCO-206 | CCO-255 |
| Bondable | .018 | CCOB-805E | CCOB-806E | — |
| | .022 | CCOB-205E | CCOB-206E | — |

Double CONVERTIBLE



Maxillary 1st Molar Double CONVERTIBLE

| | | |
|----------|----------|----------|
| Torque | -10° | |
| Offset | 8° | |
| Rx | Roth* | |
| Aux Tube | .018/0°T | |
| M/D | 3.5 mm | |
| HG I.D. | — | |
| R/L | R | L |
| Weldable | .018 | DC-805 |
| | .022 | DC-205 |
| Bondable | .018 | DCB-805E |
| | .022 | DCB-205E |

Mandibular 1st Molar Double CONVERTIBLE

| | | |
|----------|------------|------------|
| Torque | -25° | -20° |
| Offset | 5° | 0° |
| Rx | Roth* | MBT* |
| Aux Tube | .018 / 0°T | .018 / 0°T |
| M/D | 3.5 mm | 3.5 mm |
| HG I.D. | — | — |
| R/L | R | L |
| Weldable | .018 | DC-807 |
| | .022 | DC-207 |
| Bondable | .018 | DCB-807E |
| | .022 | DCB-207E |

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TOP FIT™ Convertible Tubes prescriptions and order info

Combination NON-CONVERTIBLE HG-OCCLUSAL



Maxillary 1st Molar Combination NON-CONVERTIBLE HG-OCclusal

| | | | | | | | | | |
|----------|---------|------------|------------|-----------|----------|------------|------------|-----------|----------|
| | Torque | 0° | | | | 0° | | | |
| | Offset | 0° | | | | 8° | | | |
| | Rx | — | | | | — | | | |
| | M/D | 3.5 mm | | | | 3.5 mm | | | |
| | HG I.D. | .045"Occl | | .051"Occl | | .045"Occl | | .051"Occl | |
| | R/L | R | L | R | L | R | L | R | L |
| Weldable | .018 | CNCO-821 | CNCO-822 | CNCO-851 | CNCO-852 | CNCO-823 | CNCO-824 | CNCO-853 | CNCO-854 |
| | .022 | CNCO-221 | CNCO-222 | CNCO-251 | CNCO-252 | CNCO-223 | CNCO-224 | CNCO-253 | CNCO-254 |
| Bondable | .018 | CNCOB-815E | CNCOB-816E | — | — | CNCOB-817E | CNCOB-818E | — | — |
| | .022 | CNCOB-215E | CNCOB-216E | — | — | CNCOB-217E | CNCOB-218E | — | — |

| | | | | | | | | | |
|----------|---------|------------|------------|-----------|----------|------------|------------|-----------|----------|
| | Torque | -10° | | | | -14° | | | |
| | Offset | 8° | | | | 10° | | | |
| | Rx | Roth* | | | | MBT* | | | |
| | M/D | 3.5 mm | | | | 3.5 mm | | | |
| | HG I.D. | .045"Occl | | .051"Occl | | .045"Occl | | .051"Occl | |
| | R/L | R | L | R | L | R | L | R | L |
| Weldable | .018 | CNCO-821 | CNCO-822 | CNCO-851 | CNCO-852 | CNCO-823 | CNCO-824 | CNCO-853 | CNCO-854 |
| | .022 | CNCO-221 | CNCO-222 | CNCO-251 | CNCO-252 | CNCO-223 | CNCO-224 | CNCO-253 | CNCO-254 |
| Bondable | .018 | CNCOB-821E | CNCOB-822E | — | — | CNCOB-823E | CNCOB-824E | — | — |
| | .022 | CNCOB-221E | CNCOB-222E | — | — | CNCOB-223E | CNCOB-224E | — | — |

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TOP FIT™ Convertible Tubes prescriptions and order info

Triple CONVERTIBLE HG-Occlusal



Maxillary 1st Molar Triple CONVERTIBLE HG-Occlusal

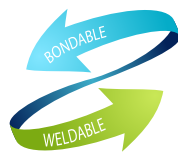
| | | | | | | | | | |
|----------|----------|------------|----------|-----------|--------|------------|----------|-----------|--------|
| | Torque | -10° | | | | -14° | | | |
| | Offset | 8° | | | | 10° | | | |
| | Rx | Roth* | | | | MBT* | | | |
| | Aux Tube | .018 / 0°T | | | | .018 / 0°T | | | |
| | M/D | 3.5 mm | | | | 3.5 mm | | | |
| | HG I.D. | .045"Occl | | .051"Occl | | .045"Occl | | .051"Occl | |
| | R/L | R | L | R | L | R | L | R | L |
| Weldable | .018 | TC-805 | TC-806 | TC-855 | TC-856 | TC-807 | TC-808 | TC-857 | TC-858 |
| | .022 | TC-205 | TC-206 | TC-255 | TC-256 | TC-207 | TC-208 | TC-257 | TC-258 |
| Bondable | .018 | TCB-805E | TCB-806E | — | — | TCB-807E | TCB-808E | — | — |
| | .022 | TCB-205E | TCB-806E | — | — | TCB-207E | TCB-808E | — | — |

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BIJOU™ Nickel Free Tubes



Nickel FREE biocompatible material - perfect for your nickel sensitive patients.



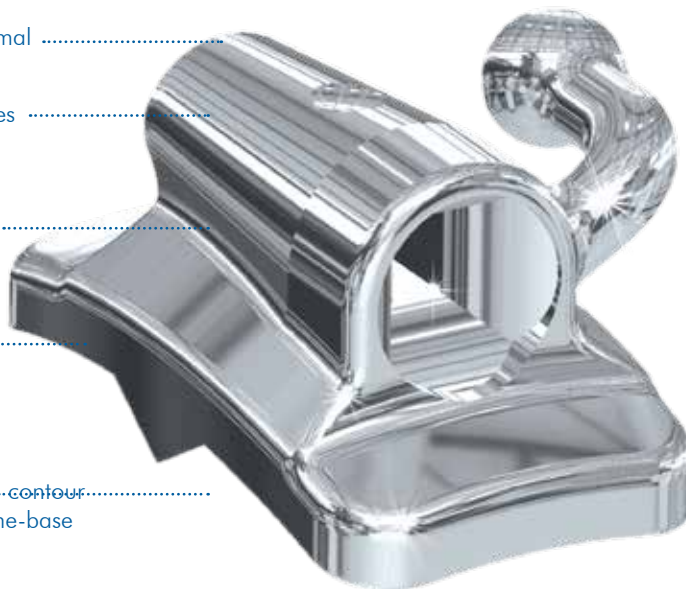
Comfort hook for optimal patient comfort

Smooth, rounded edges for patient comfort

Lead-in archwire slot for easy wire insertion

One piece design for optimum pad-to-tooth fit and bond strength

Compound contour torque-in-the-base



SINGLE



DOUBLE



TRIPLE



Bondable & Weldable in one buccal tube

You no longer need to stock both bondable and weldable tubes, this uniquely designed buccal tube base permits you to use this bracket whichever way you choose.



Non-convertible

All our NICKEL FREE brackets and buccal tubes have been designed to work in a combined effort to accomplish optimal class I molar relationship.



Single



Double



Triple



Lip Bumper

Mini Non-convertible tubes



Mini Upper



Mini Lower

SYSTEM INFORMATION

Mesial/Distal Dimension:

| | |
|-----------------|--|
| NON-CONVERTIBLE | Single: 3.175mm, Double & Triple 3.71 mm |
| CONVERTIBLE | Single: 3.45mm, Double & Triple 3.5mm |
| MINI | 2.41 mm |

Auxiliary Slot Dimensions:

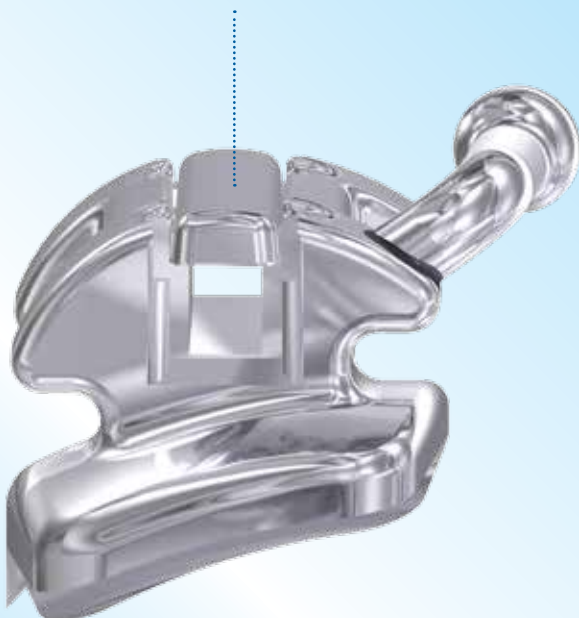
| | |
|-----------------|---|
| NON-CONVERTIBLE | .018 Main slots have an .018x.031 auxiliary |
| NON-CONVERTIBLE | .022 main slots have an .022x.031 auxiliary |
| CONVERTIBLE | .018 Main slots have an .018x.027 auxiliary |
| CONVERTIBLE | .022 Main slots have an .022x.031 auxiliary |

All tubes have integral mesio-lingual hooks unless otherwise noted.

Convertible buccal tubes

EASYCAP - reducing unintentional debonding

Precision mounted easy to remove convertible cap
EASYCAP provides the most consistent force possible for easy and reliable removal.



Single Upper



Double Upper



Facebow Upper



Triple Upper



Single Lower



Double Lower

NICKEL FREE non-convertible prescriptions and order info



NICKEL FREE NON-CONVERTIBLE UPPER BUCCAL TUBES .022 & .018

| Tooth | Torque | Offset | HDG | Right .022 | Left .022 | Right .018 | Left .018 |
|----------------------|--------|--------|------|------------------|------------------|------------------|------------------|
| Single ROTH* | -10° | +8° | No | NFNC-UR-22-718 | NFNC-UL-22-718 | NFNC-UR-18-718 | NFNC-UL-18-718 |
| Single | 0° | +8° | No | NFNC-UR-22-708 | NFNC-UL-22-708 | NFNC-UR-18-708 | NFNC-UL-18-708 |
| Single MBT* | -14° | +8° | No | NFNC-UR-22-714 | NFNC-UL-22-714 | NFNC-UR-18-714 | NFNC-UL-18-714 |
| Double - HDG | 0° | 0° | .045 | NFNC-UR-22-701 | NFNC-UL-22-701 | NFNC-UR-18-701 | NFNC-UL-18-701 |
| Double | 0° | +9° | No | NFNC-UR-22-709 | NFNC-UL-22-709 | NFNC-UR-18-709 | NFNC-UL-18-709 |
| Double - HDG | 0° | +9° | .045 | NFNC-UR-22-709HG | NFNC-UL-22-709HG | NFNC-UR-18-709HG | NFNC-UL-18-709HG |
| Double - | -10° | 0° | No | NFNC-UR-22-711 | NFNC-UL-22-711 | NFNC-UR-18-711 | NFNC-UL-18-711 |
| Double - HDG | -10° | 0° | .045 | NFNC-UR-22-711HG | NFNC-UL-22-711HG | NFNC-UR-18-711HG | NFNC-UL-18-711HG |
| Double ROTH* | -10° | +9° | No | NFNC-UR-22-719 | NFNC-UL-22-719 | NFNC-UR-18-719 | NFNC-UL-18-719 |
| Double - HDG - ROTH* | -10° | +9° | .045 | NFNC-UR-22-719HG | NFNC-UL-22-719HG | NFNC-UR-18-719HG | NFNC-UL-18-719HG |
| Double - MBT* | -14° | +9° | No | NFNC-UR-22-715 | NFNC-UL-22-715 | NFNC-UR-18-715 | NFNC-UL-18-715 |
| Double - HDG - MBT* | -14° | +9° | .045 | NFNC-UR-22-715HG | NFNC-UL-22-715HG | NFNC-UR-18-715HG | NFNC-UL-18-715HG |
| Double | -14° | +14° | No | NFNC-UR-22-716 | NFNC-UL-22-716 | NFNC-UR-18-716 | NFNC-UL-18-716 |
| Double - HDG | -14° | +14° | .045 | NFNC-UR-22-716HG | NFNC-UL-22-716HG | NFNC-UR-18-716HG | NFNC-UL-18-716HG |
| Triple | 0° | +9° | .045 | NFNC-UR-22-740 | NFNC-UL-22-740 | NFNC-UR-18-740 | NFNC-UL-18-740 |
| Triple ROTH* | -10° | +9° | .045 | NFNC-UR-22-741 | NFNC-UL-22-741 | NFNC-UR-18-741 | NFNC-UL-18-741 |
| Triple - MBT* | -14° | +9° | .045 | NFNC-UR-22-742 | NFNC-UL-22-742 | NFNC-UR-18-742 | NFNC-UL-18-742 |
| Triple | -14° | +14° | .045 | NFNC-UR-22-745 | NFNC-UL-22-745 | NFNC-UR-18-745 | NFNC-UL-18-745 |

NICKEL FREE NON-CONVERTIBLE LOWER BUCCAL TUBES .022 & .018

| Tooth | Torque | Offset | HDG | Right .022 | Left .022 | Right .018 | Left .018 |
|-------------------|--------|--------|------|----------------|----------------|----------------|----------------|
| Single ROTH* | -25° | +5° | No | NFNC-LR-22-725 | NFNC-LL-22-725 | NFNC-LR-18-725 | NFNC-LL-18-725 |
| Single MBT* | -20° | 0° | No | NFNC-LR-22-720 | NFNC-LL-22-720 | NFNC-LR-18-720 | NFNC-LL-18-720 |
| Single | 0° | +5° | No | NFNC-LR-22-705 | NFNC-LL-22-705 | NFNC-LR-18-705 | NFNC-LL-18-705 |
| Double - HDG | 0° | 0° | .045 | NFNC-LR-22-704 | NFNC-LL-22-704 | NFNC-LR-18-704 | NFNC-LL-18-704 |
| Double ROTH* MBT* | -20° | +4° | No | NFNC-LR-22-721 | NFNC-LL-22-721 | NFNC-LR-18-721 | NFNC-LL-18-721 |
| Double | -25° | 0° | No | NFNC-LR-22-724 | NFNC-LL-22-724 | NFNC-LR-18-724 | NFNC-LL-18-724 |
| Lip Bumper | 0° | +4° | No | NFNC-LR-22-730 | NFNC-LL-22-730 | NFNC-LR-18-730 | NFNC-LL-18-730 |
| Lip Bumper | -12° | +4° | No | NFNC-LR-22-731 | NFNC-LL-22-731 | NFNC-LR-18-731 | NFNC-LL-18-731 |
| Lip Bumper ROTH* | -25° | +4° | No | NFNC-LR-22-732 | NFNC-LL-22-732 | NFNC-LR-18-732 | NFNC-LL-18-732 |

NICKEL FREE NON-CONVERTIBLE UNIVERSAL BUCCAL TUBES .022 & .018

| Tooth | Torque | Offset | In/out | Right/Left | .022 | .018 |
|------------------|--------|--------|--------|--------------------------|-------------------|-------------------|
| Single EDGEWISE* | 0° | 0° | .028 | Upper Right / Lower Left | NFNC-UR-LL-22-700 | NFNC-UR-LL-18-700 |
| Single EDGEWISE* | 0° | 0° | .028 | Upper Left / Lower Right | NFNC-UL-LR-22-700 | NFNC-UL-LR-18-700 |
| Single | -10° | 0° | .028 | Upper Right / Lower Left | NFNC-UR-LL-22-710 | NFNC-UR-LL-18-710 |
| Single | -10° | 0° | .028 | Upper Left / Lower Right | NFNC-UL-LR-22-710 | NFNC-UL-LR-18-710 |
| Double EDGEWISE* | 0° | 0° | No | Upper Right / Lower Left | NFNC-UR-LL-22-701 | NFNC-UR-LL-18-701 |
| Double EDGEWISE* | 0° | 0° | No | Upper Left / Lower Right | NFNC-UL-LR-22-701 | NFNC-UL-LR-18-701 |

NICKEL FREE NON-CONVERTIBLE MINI UPPER BUCCAL TUBES .022 & .018 2nd Molar

| Tooth | Torque | Offset | In/out | Right/Left | .022 | .018 |
|-------------------------|--------|--------|--------|--------------------------|---------------------|---------------------|
| Single Hook | 0° | 0° | No | Upper Right / Lower Left | NFNC-M-UR-LL-22-705 | NFNC-M-UR-LL-18-705 |
| Single Hook | 0° | 0° | No | Lower Right / Upper Left | NFNC-M-UL-LR-22-705 | NFNC-M-UL-LR-18-705 |
| Single | 0° | 0° | No | Upper Right / Lower Left | NFNC-M-UR-LL-22-753 | NFNC-M-UR-LL-18-753 |
| Single | 0° | 0° | No | Lower Right / Upper Left | NFNC-M-UL-LR-22-753 | NFNC-M-UL-LR-18-753 |
| Single Hook ROTH - MBT* | -10° | 0° | No | Right | NFNC-M-UR-22-705 | NFNC-M-UR-18-705 |
| Single Hook ROTH - MBT* | -10° | 0° | No | Left | NFNC-M-UL-22-705 | NFNC-M-UL-18-705 |
| Single ROTH - MBT | -10° | 0° | No | Right | NFNC-M-UR-22-754 | NFNC-M-UR-18-754 |
| Single ROTH - MBT | -10° | 0° | No | Left | NFNC-M-UL-22-754 | NFNC-M-UL-18-754 |

NICKEL FREE NON-CONVERTIBLE MINI LOWER BUCCAL TUBES .022 & .018 2nd Molar

| Tooth | Torque | Offset | In/out | Right .022 | Left .022 | Right .018 | Left .018 |
|------------------------|--------|--------|--------|------------------|-------------------|------------------|-------------------|
| Single | -12° | 0° | .023 | NFNC-M-LR-22-705 | NFNC-M-LL-22-705 | NFNC-M-LR-18-705 | NFNC-M-LL-18-705 |
| Single Hook | -12° | 0° | .023 | NFNC-M-LR-22H | NFNC-M-LL-22-705H | NFNC-M-LR-18H | NFNC-M-LL-18-705H |
| Single ROTH* MBT* | -25° | 0° | .023 | NFNC-M-LR-22-756 | NFNC-M-LL-22-756 | NFNC-M-LR-18-756 | NFNC-M-LL-18-756 |
| Single ROTH* MBT* Hook | -25° | 0° | .023 | NFNC-M-LR-22H | NFNC-M-LL-22-756H | NFNC-M-LR-18H | NFNC-M-LL-18-756H |

NICKEL FREE convertible prescriptions and order info



NICKEL FREE CONVERTIBLE UPPER BUCCAL TUBES .022 & .018

| Tooth | Torque | Offset | HDG | Right .022 | Left .022 | Right .018 | Left .018 |
|----------------------------------|--------|--------|------|---------------|---------------|---------------|---------------|
| Single w/Hook ROTH* - MBT* | -14° | +9° | No | NFC-UR-22-801 | NFC-UL-22-801 | NFC-UR-18-801 | NFC-UL-18-801 |
| Single | -14° | +14° | No | NFC-UR-22-803 | NFC-UL-22-803 | NFC-UR-18-803 | NFC-UL-18-803 |
| Double w/Hook ROTH* MBT* | -14° | +8° | No | NFC-UR-22-822 | NFC-UL-22-822 | NFC-UR-18-822 | NFC-UL-18-822 |
| Occlusal Facebow Tube ROTH* MBT* | -14° | +8° | .045 | NFC-UR-22-851 | NFC-UL-22-851 | NFC-UR-18-851 | NFC-UL-18-851 |
| Occlusal Facebow Tube ROTH* MBT* | -14° | +8° | .050 | NFC-UR-22-852 | NFC-UL-22-852 | NFC-UR-18-852 | NFC-UL-18-852 |

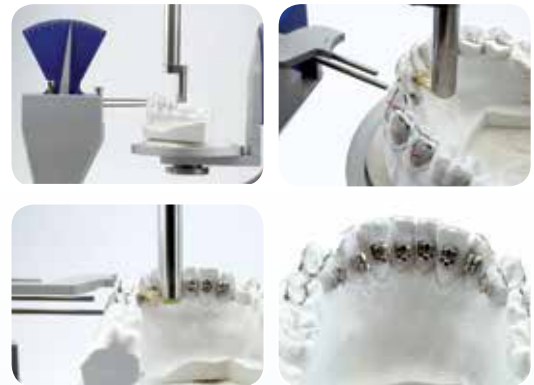
NICKEL FREE CONVERTIBLE LOWER BUCCAL TUBES .022 & .018

| Tooth | Torque | Offset | HDG | Right .022 | Left .022 | Right .018 | Left .018 |
|------------------------------|--------|--------|-----|---------------|---------------|---------------|---------------|
| Single w/Hook ROTH* - MBT* | -25° | +25° | No | NFC-LR-22-802 | NFC-LL-22-802 | NFC-LR-18-802 | NFC-LL-18-802 |
| Double - w/Hook ROTH* - MBT* | -25° | +5° | No | NFC-LR-22-821 | NFC-LL-22-821 | NFC-LR-18-821 | NFC-LL-18-821 |

*The adenta version of this technique does not indicate endorsement by the doctor. They do not claim to be a duplication of any other

ACCURATE BRACKET POSITIONER™

Customization without a Set-Up in 30-45 min!



- Position and customize lingual and vestibular brackets DIRECTLY onto the malocclusion model
- In 30 - 45 min per arch
- Adjust Torque, Angulation, IN/OUT, Rotation, Intrusion, Extrusion individually per tooth in precise degree and millimeter steps
- Compatible with all lingual and vestibular Brackets

4time LAB^{TEC}



With the Accurate Bracket Positioner™ you can customize lingual brackets easily, rapidly, and safely in your own laboratory. Place the brackets three-dimensionally directly onto the malocclusion model in only 30-45 min per arch. Unbeaten regarding precision and accuracy, the Accurate Bracket Positioner also reduces the laboratory costs significantly normally involved with lingual appliances.

In addition, you can easily transfer your familiar vestibular prescription, e. g. ROTH or MBT, directly onto the lingual surface. Only little training is necessary to create your own smart lingual appliance just the way you want it! Just another reason to start with lingual braces. Welcome, to the modern side of orthodontics!

TOP FIT™ Bands



TOP FIT™ molar bands anatomically conform to the individual tooth which guarantees a perfect fit on the tooth.

Permanent laser markings on the mesial surface clearly identifies the size and quadrant.

Highly polished outer surface for optimal oral hygiene.

Excellent bond strength through micro etching of the internal band.

Special rolled edges create a perfect edge closure.

A buccal/cusp indent eliminates occlusal interference.

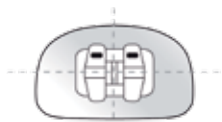
PRE-WELD Services

Available Loose or Prewelded

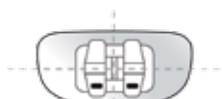
adenta offers standard or custom pre-welding services to meet all your practice needs. All pre-weld orders are welded in the standard position unless requested otherwise.

Labial

Bracket to Bicuspid



Upper Bicuspid: Centered

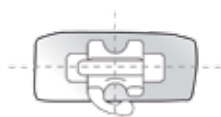


Lower 1st Bicuspid: Centered



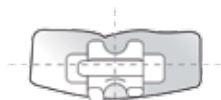
Lower 2nd Bicuspid:
Offset to Occlusal

Buccal Tube
to Upper Molar



Upper Molar:
Entrance to buccal tube
will bisect the mesial/
buccal cusp

Buccal Tube
to Lower Molar



Lower Molar:
Entrance to buccal tube
will bisect the mesial/
buccal cusp

Lingual Attachments

Lower Molar

Gingival



Occlusal

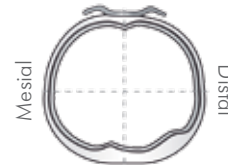


Button: Bisect the
mesiolingual cusp

Gingival



Occlusal



Cleat: Centered

Upper Molar

Gingival



Occlusal

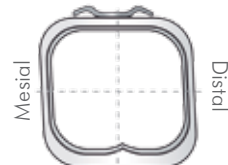


Button: Centered

Gingival



Occlusal



Cleat: Centered

TOP FIT™ Bands sizes and order info

adenta has taken the guess work out of ordering a band kit. Each band kit includes left and right molar bands graduated in even, closely spaced increments. Choose from three kit assortments:

Sample Kit

80 Total Bands
40 Lefts and 40 Rights
Sizes 32 - 39

Starter Kit

150 Total Bands
75 Lefts and 75 Rights
Sizes 29½ - 44

Office Kit

300 Total Bands
150 Lefts and 150 Rights
Sizes 29½ - 44

Individual TOP FIT™ Molar Bands

| Size | 1. & 2. UPPER Molar | | 1. LOWER Molar | | 2. LOWER Molar | |
|------|---------------------|-------------|----------------|-------------|----------------|-------------|
| | Left/UL | Right/UR | Left/LL | Right/LR | Left/LL | Right/LR |
| 29.5 | TF10-UL-295 | TF10-UR-295 | TF10-LL-295 | TF10-LR-295 | TF11-LL-295 | TF11-LR-295 |
| 30 | TF10-UL-300 | TF10-UR-300 | TF10-LL-300 | TF10-LR-300 | TF11-LL-300 | TF11-LR-300 |
| 30.5 | TF10-UL-305 | TF10-UR-305 | TF10-LL-305 | TF10-LR-305 | TF11-LL-305 | TF11-LR-305 |
| 31 | TF10-UL-310 | TF10-UR-310 | TF10-LL-310 | TF10-LR-310 | TF11-LL-310 | TF11-LR-310 |
| 35.5 | TF10-UL-315 | TF10-UR-315 | TF10-LL-315 | TF10-LR-315 | TF11-LL-315 | TF11-LR-315 |
| 32 | TF10-UL-320 | TF10-UR-320 | TF10-LL-320 | TF10-LR-320 | TF11-LL-320 | TF11-LR-320 |
| 32.5 | TF10-UL-325 | TF10-UR-325 | TF10-LL-325 | TF10-LR-325 | TF11-LL-325 | TF11-LR-325 |
| 33 | TF10-UL-330 | TF10-UR-330 | TF10-LL-330 | TF10-LR-330 | TF11-LL-330 | TF11-LR-330 |
| 33.5 | TF10-UL-335 | TF10-UR-335 | TF10-LL-335 | TF10-LR-335 | TF11-LL-335 | TF11-LR-335 |
| 34 | TF10-UL-340 | TF10-UR-340 | TF10-LL-340 | TF10-LR-340 | TF11-LL-340 | TF11-LR-340 |
| 34.5 | TF10-UL-345 | TF10-UR-345 | TF10-LL-345 | TF10-LR-345 | TF11-LL-345 | TF11-LR-345 |
| 35 | TF10-UL-350 | TF10-UR-350 | TF10-LL-350 | TF10-LR-350 | TF11-LL-350 | TF11-LR-350 |
| 35.5 | TF10-UL-355 | TF10-UR-355 | TF10-LL-355 | TF10-LR-355 | TF11-LL-355 | TF11-LR-355 |
| 36 | TF10-UL-360 | TF10-UR-360 | TF10-LL-360 | TF10-LR-360 | TF11-LL-360 | TF11-LR-360 |
| 36.5 | TF10-UL-365 | TF10-UR-365 | TF10-LL-365 | TF10-LR-365 | TF11-LL-365 | TF11-LR-365 |
| 37 | TF10-UL-370 | TF10-UR-370 | TF10-LL-370 | TF10-LR-370 | TF11-LL-370 | TF11-LR-370 |
| 37.5 | TF10-UL-375 | TF10-UR-375 | TF10-LL-375 | TF10-LR-375 | TF11-LL-375 | TF11-LR-375 |
| 38 | TF10-UL-380 | TF10-UR-380 | TF10-LL-380 | TF10-LR-380 | TF11-LL-380 | TF11-LR-380 |
| 38.5 | TF10-UL-385 | TF10-UR-385 | TF10-LL-385 | TF10-LR-385 | TF11-LL-385 | TF11-LR-385 |
| 39 | TF10-UL-390 | TF10-UR-390 | TF10-LL-390 | TF10-LR-390 | TF11-LL-390 | TF11-LR-390 |
| 39.5 | TF10-UL-395 | TF10-UR-395 | TF10-LL-395 | TF10-LR-395 | TF11-LL-395 | TF11-LR-395 |
| 40 | TF10-UL-400 | TF10-UR-400 | TF10-LL-400 | TF10-LR-400 | TF11-LL-400 | TF11-LR-400 |
| 40.5 | TF10-UL-405 | TF10-UR-405 | TF10-LL-405 | TF10-LR-405 | TF11-LL-405 | TF11-LR-405 |
| 41 | TF10-UL-410 | TF10-UR-410 | TF10-LL-410 | TF10-LR-410 | TF11-LL-410 | TF11-LR-410 |
| 41.5 | TF10-UL-415 | TF10-UR-415 | TF10-LL-415 | TF10-LR-415 | TF11-LL-415 | TF11-LR-415 |
| 42 | TF10-UL-420 | TF10-UR-420 | TF10-LL-420 | TF10-LR-420 | TF11-LL-420 | TF11-LR-420 |
| 42.5 | TF10-UL-425 | TF10-UR-425 | TF10-LL-425 | TF10-LR-425 | – | – |
| 43 | TF10-UL-430 | TF10-UR-430 | TF10-LL-430 | TF10-LR-430 | – | – |
| 43.5 | TF10-UL-435 | TF10-UR-435 | TF10-LL-435 | TF10-LR-435 | – | – |
| 44 | TF10-UL-440 | TF10-UR-440 | TF10-LL-440 | TF10-LR-440 | – | – |

TOP FIT™ Bands sizes and order info

Choose from three kit assortments:

- Sample Kit – containing 80 bands
- Starter Kit – containing 150 bands
- Office Kit – containing 300 bands

Kit quantities include half left and half right.



Maxillary 1st & 2nd Molar Bands

| Item# / Size | 29½ | 30 | 30½ | 31 | 31½ | 32 | 32½ | 33 | 33½ | 34 | 34½ | 35 | 35½ | 36 | 36½ | 37 | 37½ | 38 | 38½ | 39 | 39½ | 40 | 40½ | 41 | 41½ | 42 | 42½ | 43 | 43½ | 44 |
|-----------------------|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|
| TF10-UP-SAMPLE (80) | – | – | – | – | – | 2 | 2 | 4 | 4 | 4 | 6 | 6 | 10 | 10 | 10 | 6 | 6 | 4 | 4 | 2 | – | – | – | – | – | – | – | – | – | – |
| TF10-UP-STARTER (150) | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 6 | 8 | 10 | 10 | 10 | 10 | 12 | 12 | 10 | 8 | 6 | 4 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| TF10-UP-OFFICE (300) | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 12 | 16 | 20 | 20 | 20 | 20 | 24 | 24 | 20 | 16 | 12 | 8 | 8 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |



Mandibular 1st Molar Bands

| Item# / Size | 29½ | 30 | 30½ | 31 | 31½ | 32 | 32½ | 33 | 33½ | 34 | 34½ | 35 | 35½ | 36 | 36½ | 37 | 37½ | 38 | 38½ | 39 | 39½ | 40 | 40½ | 41 | 41½ | 42 | 42½ | 43 | 43½ | 44 |
|-----------------------|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|
| TF10-LO-SAMPLE (80) | – | – | – | – | – | 2 | 2 | 4 | 4 | 4 | 6 | 6 | 10 | 10 | 10 | 6 | 6 | 4 | 4 | 2 | – | – | – | – | – | – | – | – | – | – |
| TF10-LO-STARTER (150) | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 6 | 8 | 10 | 10 | 10 | 10 | 12 | 12 | 10 | 8 | 6 | 4 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| TF10-LO-OFFICE (300) | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 12 | 16 | 20 | 20 | 20 | 20 | 24 | 24 | 20 | 16 | 12 | 8 | 8 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |



Mandibular 2nd Molar Bands

| Item# / Size | 29½ | 30 | 30½ | 31 | 31½ | 32 | 32½ | 33 | 33½ | 34 | 34½ | 35 | 35½ | 36 | 36½ | 37 | 37½ | 38 | 38½ | 39 | 39½ | 40 | 40½ | 41 | 41½ | 42 | 42½ | 43 | 43½ | 44 |
|-----------------------|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|
| TF11-LO-SAMPLE (80) | – | – | – | – | – | 2 | 2 | 4 | 4 | 4 | 6 | 6 | 10 | 10 | 10 | 6 | 6 | 4 | 4 | 2 | – | – | – | – | – | – | – | – | – | – |
| TF11-LO-STARTER (150) | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 6 | 8 | 10 | 10 | 10 | 10 | 12 | 12 | 10 | 8 | 6 | 4 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| TF11-LO-OFFICE (300) | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 12 | 16 | 20 | 20 | 20 | 20 | 24 | 24 | 20 | 16 | 12 | 8 | 8 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |



Plastic Band Organizer with Lid

adenta's plastic band organizers are designed for proper band storage and will fit most band cabinets.



Stackable Band Organizer

- Modular interlocking design
- Constructed with high quality durable plastic
- Accommodates our plastic band organizer (ordered separately)

TOP FIT™

Plastic Band Organizer

VMT-BANDS

TOP FIT™

Stackable Band Organizer

VMT-SBO



FREE! Prewelding Service for TOP FIT™ Bands and Buccal Tubes

adenta offers complimentary welding for all our bands and buccal tubes. Your weld specifications are kept on file in an effort to streamline the reordering process. In an effort to make this procedure as simple as possible we can also provide you with a band and buccal tube order form.

Competitive Upgrade Chart

| 1. & 2. UPPER Molar | | | | | | | | | | | | | 1. LOWER Molar | | | | | | | | | | | | | 2. LOWER Molar | | | | | | | | | | | | |
|---------------------|--------------------|---------------------|------|--------------|---------------|----------------|--------------|---------------|------------------|------|------------------|------------------|----------------|--------------------|---------------------|-----|--------------|---------------|----------------|--------------|---------------|------------------|------|------------------|------------------|----------------|--------------------|---------------------|-----|--------------|-------|----------------|------|------------------|------|--|--|--|
| adenta | American Contoured | Dentaurum Dentaform | GAC | Lancer Supra | Ormco Mark II | Ormco Original | Ormco Ultima | Ormco Washbon | Rocky Mnt. Univ. | TP | Unitek Contoured | Ortho Organizers | adenta | American Contoured | Dentaurum Dentaform | GAC | Lancer Supra | Ormco Mark II | Ormco Original | Ormco Ultima | ormco Washbon | Rocky Mnt. Univ. | TP | Unitek Contoured | Ortho Organizers | adenta | American Contoured | Dentaurum Dentaform | GAC | Lancer Supra | Ormco | Ormco Original | TP | Unitek Contoured | | | | |
| | | 1 | | | | | | | 2 | | | | | | 1 | | | | | | | 1.5 | | | | | | | | | | | | 28 | | | | |
| | | 1 | | | | | | | | | | | | | 2 | 1 | | | | | | 2 | | | | | | | | | | | 28.5 | | | | | |
| | | 2 | 2 | | | | | | 3 | | 29 | 29 | | | 3 | | | | | | | | | | | | | | | | | | | 29 | | | | |
| 29.5 | | 3 | 29.5 | 1 | 1 | | | | | | 29.5 | 29.5 | | 29.5 | 4 | | | | | | | 2.5 | | | | | | | | | | | | 29 | | | | |
| | | 3 | | | | | 1 | | | | | | | | | 2 | | | 1 | | | | | | | | | | | | | | | 29.5 | | | | |
| | | 4 | | | 2 | 2 | | 3.5 | | | | | | 30 | 5 | | | | | | | | | | | | | | | | | | | 30 | | | | |
| 30 | | | 30 | 3 | 3 | | 2 | 4 | | | 30 | 30 | | 30.5 | | 3 | | 1 | 2 | | 1 | 3 | | | | | | | | | | | | 30.5 | | | | |
| 30.5 | | 5 | 4 | 30.5 | | | | | | | 30.5 | 30.5 | | | 6 | | | 2 | | | | | | | | | | | | | | | | 30.5 | | | | |
| | | 6 | | | 4 | 4 | | 3 | | | | | | | 7 | | | 3 | 3 | | 2 | 3.5 | | | | | | | | | | | | 31 | | | | |
| | | | | | 5 | 5 | 5 | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | 31.5 | | | | |
| 31 | | 7 | | 31 | | 6 | 6 | 4 | 4.5 | 1 | 31 | 31 | | | 8 | | | 4 | 4 | | 3 | 4 | | | | | | | | | | | | 31.5 | | | | |
| | | | 5 | | 6 | | 7 | 5 | 5 | 2 | | | | 31 | 1.5 | 9 | | 31 | 5 | 5 | | | 1 | 31 | 31 | | | | | | | | | 32 | | | | |
| 31.5 | 1.5 | 8 | 31.5 | | 7 | 8 | | | 5.5 | | 31.5 | 31.5 | | | 10 | 5 | | 6 | 6 | 5 | 4 | 4.5 | 2 | | | | | | | | | | | 32 | | | | |
| 32 | | 9 | | 32 | 7 | 8 | | 6 | | 3 | 32 | 32 | | 31.5 | 2 | 11 | 6 | 31.5 | 7 | 7 | | 5 | | | 31.5 | 31.5 | | | | | | | | 32.5 | | | | |
| 32.5 | | 10 | 6 | 32.5 | 9 | 9 | | | 6 | 5 | 32.5 | 32.5 | | | | 12 | | | 8 | | 6 | 5.5 | 4 | | | | | | | | | | | 32.5 | | | | |
| 33 | 2.5 | 11 | | 33 | | 10 | 10 | 8 | | 6 | 33 | 33 | | | 2.5 | | | 32 | 8 | | 8 | 7 | | 5 | 32 | 32 | | | | | | | | 33 | | | | |
| | 3 | 12 | | | 10 | 11 | 11 | 9 | | 7 | | | | | | 13 | 7 | | 9 | 9 | | 6 | 6 | | | | | | | | | | | 33.5 | | | | |
| 33.5 | | 7 | 3.5 | 11 | | | 10 | 6.5 | 8 | 33.5 | 33.5 | | | 32.5 | 3 | | | 33 | | 11 | 10 | 9 | 6.5 | 8 | 33 | 33 | | | | | | | | 33.5 | | | | |
| 34 | 3.5 | 13 | | 34 | 12 | 12 | 12 | | | 9 | 34 | 34 | | | | 15 | 8 | | 10 | | 10 | | | | | | | | | | | | | 34 | | | | |
| | | | | | 13 | 13 | | 7 | 10 | | | | | | | 16 | | | 11 | 12 | 11 | | 7 | 9 | | | | | | | | | | 34.5 | | | | |
| 34.5 | 4 | 14 | 8 | 34.5 | 13 | 14 | 14 | 11 | 7.5 | 11 | 34.5 | 34.5 | | | 33.5 | 3.5 | | 33.5 | 13 | 12 | | 7.5 | 10 | 33.5 | 33.5 | | | | | | | | | 34.5 | | | | |
| | | 15 | | | 14 | 15 | | 12 | 8 | 12 | | | | 34 | 17 | 9 | 34 | 12 | 14 | 13 | 11 | 8 | 11 | 34 | 34 | | | | | | | | | 35 | | | | |
| 35 | 4.5 | 16 | 9 | 35 | | | 15 | 13 | 8.5 | 13 | 35 | 35 | | | 34.5 | 4 | 18 | 10 | 34.5 | 14 | | 13 | 8.5 | 12 | 34.5 | 34.5 | | | | | | | | 35.5 | | | | |
| 35.5 | 5 | 17 | 10 | 35.5 | 16 | | 16 | 14 | 9 | 14 | 35.5 | 35.5 | | | 35 | 4.5 | 19 | | 35 | 15 | 16 | 15 | | 9 | 13 | 35 | 35 | | | | | | | 36 | | | | |
| | | | 11 | | 17 | 17 | 15 | 9.5 | 15 | | | | | | | | 11 | | | | | 14 | | 14 | | | | | | | | | | 36.5 | | | | |
| 36 | | 18 | 12 | 36 | 17 | | 16 | | 16 | 36 | 36 | | | | | | | | | | | | | | | | | | | | | | | 37 | | | | |
| | 5.5 | | | | 18 | 18 | 18 | | | 17 | | | | 35.5 | 5 | 20 | 12 | 35.5 | 16 | 17 | 16 | 15 | 9.5 | 15 | 35.5 | 35.5 | | | | | | | | 37.5 | | | | |
| | 6 | 19 | 13 | | | 19 | 17 | 10 | 18 | | | | | | | 21 | | | 17 | | 17 | 16 | | 16 | | | | | | | | | | 38 | | | | |
| 36.5 | | 20 | 14 | 36.5 | 19 | 19 | 20 | | 10.5 | 19 | 36.5 | 36.5 | | | | | 13 | | 18 | 18 | | 10 | 17 | | | | | | | | | | | 38.5 | | | | |
| 37 | 6.5 | 21 | | 37 | | | 18 | 11 | 20 | 37 | 37 | | | | 6 | 23 | 15 | | 19 | 19 | | 11 | 19 | | | | | | | | | | | 39 | | | | |
| | 7 | | 15 | | 20 | 20 | 21 | | 11.5 | 21 | | | | 36.5 | 6.5 | | | 36.5 | 19 | | 18 | 11.5 | 20 | 36.5 | 36.5 | | | | | | | | | 39.5 | | | | |
| 37.5 | | 22 | 16 | 37.5 | | | 22 | 19 | 12 | 22 | 37.5 | 37.5 | | | 7 | 24 | 16 | | 20 | 20 | | 12 | 21 | | | | | | | | | | | 40 | | | | |
| | 7.5 | | | | 21 | 21 | | 12.5 | | | | | | | | 25 | 17 | 37 | | | 21 | 19 | 12.5 | | 37 | 37 | | | | | | | | 40.5 | | | | |
| | | 23 | 17 | | | 22 | | 20 | 13 | 23 | | | | | 7.5 | 26 | | | 21 | 21 | 22 | | | 22 | | | | | | | | | | 41 | | | | |
| 38 | 8 | 24 | 18 | 38 | 22 | 23 | 23 | 21 | 13.5 | 24 | 38 | 38 | | | | | | | | | | | | | | | | | | | | | | | 41.5 | | | |
| | | | | | 23 | | | 22 | 14 | 25 | | | | 37.5 | | 27 | 18 | 37.5 | | 22 | | 20 | | | 37.5 | 37.5 | | | | | | | | | | | | |
| 38.5 | | 26 | 19 | 38.5 | | 24 | 24 | | 14.5 | | 38.5 | 38.5 | | | | 28 | 19 | | 22 | 23 | 23 | 21 | 13 | 23 | | | | | | | | | | 42 | | | | |
| 39 | | 27 | 21 | 39 | 24 | 25 | | 24 | 15 | 27 | 39 | 39 | | | 38 | 8 | 29 | | 38 | 23 | | 24 | 22 | 13.5 | 24 | 38 | 38 | | | | | | | 42.5 | | | | |
| 39.5 | | 28 | 22 | 39.5 | | | 26 | 26 | 16 | 29 | 39.5 | 39.5 | | | | | 30 | 20 | | 24 | 24 | | 14 | 25 | | | | | | | | | | 43 | | | | |
| | 9.5 | 29 | | | 26 | 27 | 27 | 16.5 | 30 | | | | | 38.5 | | | | | | 25 | 26 | 24 | 15 | 27 | | | | | | | | | | 43.5 | | | | |
| | | 30 | 23 | | 27 | 28 | 28 | 17 | 31 | | | | | 39 | 8.5 | | 22 | 39 | 26 | 26 | | 25 | 15.5 | 28 | 39 | 39 | | | | | | | | 44 | | | | |
| 40 | | | 24 | 40 | | | 29 | 28 | 17.5 | | 40 | 40 | | 39.5 | | 31 | 23 | 39.5 | | | 27 | 26 | 16 | | 39.5 | 39.5 | | | | | | | | 44.5 | | | | |
| 40.5 | 10 | 31 | | 40.5 | 28 | 29 | | | 18 | 32 | 40.5 | 40.5 | | | 9 | 32 | | | 27 | 27 | 28 | 27 | 16.5 | | | | | | | | | | | 45 | | | | |
| | 10.5 | 32 | | | 29 | 30 | 31 | 29 | | | | | | 40 | 9.5 | | 24 | 40 | | 28 | 30 | | 17 | | 40 | 40 | | | | | | | | 45.5 | | | | |
| 41 | | 11 | | 41 | 30 | 31 | 32 | 30 | 18.5 | | 41 | 41 | | | | | | | 29 | 29 | 31 | 28 | 17.5 | | | | | | | | | | | 46 | | | | |
| 41.5 | 11.5 | | 28 | | 32 | | | | | | | | | 40.5 | 10.5 | | 26 | 40.5 | 30 | | | | | | 40.5 | 40.5 | | | | | | | | 46.5 | | | | |
| | | | | | | | | | | | | | | | | | | | 31 | 30 | 33 | 29 | 18 | | | | | | | | | | | 47 | | | | |
| | | | | | | | | | | | | | | 41 | | | 29 | 41 | | | | 1.5 | 18.5 | | 41 | 41 | | | | | | | | 47.5 | | | | |

LINGUAL ATTACHMENTS sizes and order Info



Lingual Sheaths

Our Lingual Sheaths are designed to accept palatal bars, quad helix appliances, and other maxillary and mandibular removable format appliances incorporating .036" x .072" distal engagement ends. Locking indent and optional soldered post ensure secure retention.


Lingual Weldable Sheaths

| | | Size | Item # | | | | Item # |
|---|--|------------------------|---------|---|---|------------------------|------------------------|
|  | Lingual sheath with no window, with indent | 2 x 0.9 mm / 2 x .035" | LGS-UI |  | Lingual Sheath with window indent, and mesial ball hook | UR/LL Ea. UL/LR Ea. | LGS-WIM-1 LGS-WIM-2 |
|  | Lingual Sheath with window indent | 2 x 0.9 mm / 2 x .035" | LGS-UIW |  | Lingual Sheath with window indent, and distal ball hook | UR/LL Ea. UL/LR Ea. | LGS-WIO-1 LGS-WIO-2 |

Lingual Button

| | | Straight Item # | Curved Item # |
|---|----------|-----------------|---------------|
|  | Weldable | AD-LGB-G | AD-LGB-R |
|  | Bondable | AD-LGB-GB | AD-LGB-BB |

Lingual Weldable Double Cleat & Eyelets

| | | Item # |
|---|---|-------------|
|  | Lingual double cleat weldable large 8.1mm | LGC-L |
| | Lingual double cleat weldable small 5.3mm | LDH-S |
|  | Weldable Eyelets .036 ID Small Ea. | M005-1LGE-S |
| | Weldable Eyelets .036 ID Large Ea. | M005-1LGE-L |

PRODUCT LINE WIRES

Arch Form Chart | Nickel Titanium SE | Heat Activated NiTi | CNA BETA III/TM | Stainless Steel



Centermark: Permanent Etch Marking



Dimple: Upper and Lower Dimples

NATURAL FORM

Nickel Titanium SE
Heat Activated NiTi
8 Braided Stainless Steel
Stainless Steel
NiTi SE Low-Friction

NATURAL FORM

3-Flex Stainless Steel
6-Flex Stainless Steel

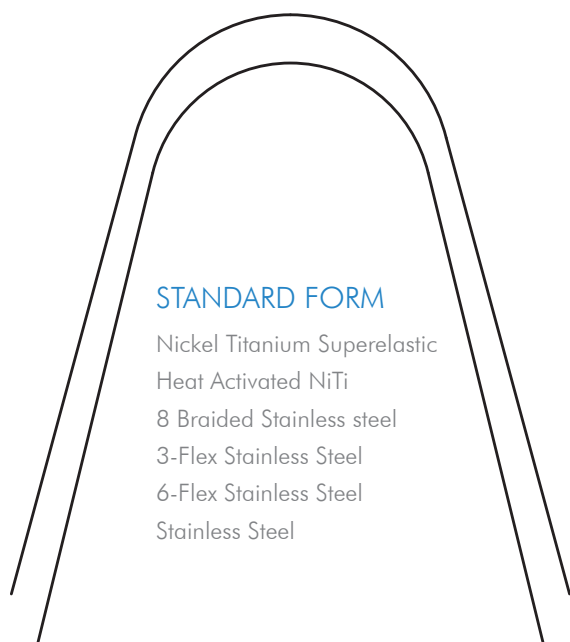
NATURAL FORM

CNA Beta III/TM

UNIVERSAL FORM

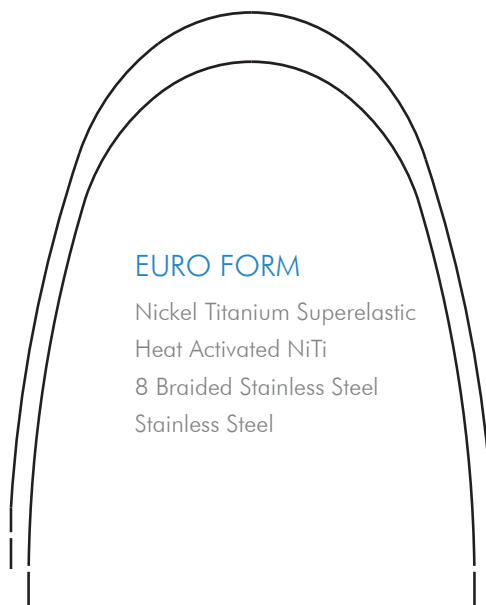
Heat Activated NiTi
Nickel Titanium SE
CNA Beta III/TM
Stainless Steel
NiTi SE Low-Friction

Note: Line drawings may vary from actual wire form sizes



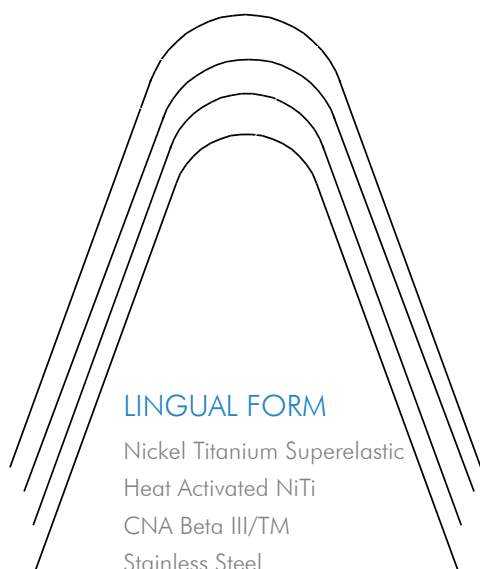
STANDARD FORM

Nickel Titanium Superelastic
Heat Activated NiTi
8 Braided Stainless steel
3-Flex Stainless Steel
6-Flex Stainless Steel
Stainless Steel



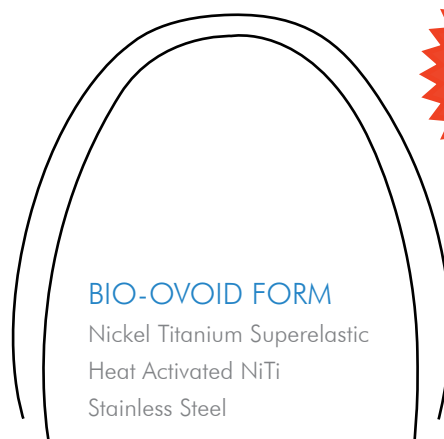
EURO FORM

Nickel Titanium Superelastic
Heat Activated NiTi
8 Braided Stainless Steel
Stainless Steel



LINGUAL FORM

Nickel Titanium Superelastic
Heat Activated NiTi
CNA Beta III/TM
Stainless Steel



BIO-OVOID FORM

Nickel Titanium Superelastic
Heat Activated NiTi
Stainless Steel



Radius :

Size 1 R 11.0 mm
Size 2 R 12.3 mm
Size 3 R 13.6 mm
Size 4 R 14.9 mm

Choosing The Best Wire For The Application

| | Early Treatment | Mid Treatment | Late Treatment |
|--|-----------------|---------------|----------------|
| THERMADENT - Low Force | ■ | | |
| THERMADENT - Medium Force | ■ | ■ | |
| FLEXADENT NiTi Superelastic | ■ | ■ | |
| PERFECT TI NiTi Low Frict. | ■ | ■ | |
| TRIDENT CNA Beta III/TM | | ■ | ■ |
| TWISTADENT Stainless Steel - 8 Braid | ■ | | |
| TWISTADENT Stainless Steel - 6 Coax | ■ | | ■ |
| TWISTADENT Stainless Steel - 3 Strand | ■ | | ■ |
| DURADENT Stainless Steel - Solid | | ■ | ■ |

Nickel Titanium Heat Activated - THERMADENT™

THERMADENT™ wires are shape memory, heat-activated wires.

Shape memory properties exhibited by heat-activated, or thermal, Nickel Titanium wires:

- Superb flexibility at room temperature, allowing for even easier ligation. Soft in the hand.
- Very responsive to chilling.
- Gentle forces are initiated by intraoral heat and remain consistent throughout treatment.
- Noticeably more comfortable for the patient due to low forces.
- Allows for patient to control discomfort with cold water rinses.

Nickel Titanium Superelastic - FLEXADENT™

(NiTi -approximately 55% Ni and 45% Ti):

FLEXADENT™ - Ideal for alignment and leveling in early to mid-stages of treatment. All NiTi wires exhibit a unique "Superelastic" behavior.

Superelastic behavior provides:

- Light to moderate, consistent forces.
- Responsiveness to chilling.
- Near consistent force over a long activation period.
- Greater patient comfort over Stainless Steel wires.
- Excellent resiliency, resulting in high resistance to permanent set.
- High flexibility.
- Leveling, torque, and rotation can be addressed simultaneously early in treatment. No need to treat each of these individually, as is the case if using Stainless Steel wires.

Choosing The Best Wire For The Application - continued

Nickel Titanium - PERFECT-Ti™

(NiTi -approximately 55% Ni and 45% Ti):

Your customers will love the **efficiency** of our PERFECT-Ti™ superelastic premium wires! adenta developed this ultra smooth, hard black surface nickel titanium wire engineered specifically for **reduced friction and efficient tooth movement**.

- 30% less friction than traditional Nickel Titanium wire provides improved sliding mechanics.
- Our highest force Superelastic NiTi wire.
- Hard surface is an integral part of the wire; not a coating.
- Black color nearly indistinguishable from other wires when in the mouth.
- Very resilient.
- Ideal for self-ligating brackets.

CNA BETA III/TM - TRIDENT™

(A titanium molybdenum wire composed of 79% Ti, 11% Mo, 6% Zr, and 4% Sn):

The characteristics of our custom designed, nickel-free Beta III Titanium wire make this perfect for use in mid- to late stages of treatment where space closure, rotation, and proper molar relationship are the goal.

- CNA Beta III/TM significantly outperforms TMA Beta III and easily accepts 1st and 2nd order bends without the known breaking issues.
- Nickel-free! Eliminates treatment concern of nickel sensitivity in patients.
- Excellent formability allows easy fabrication of loops and bends for space closure and tooth movement.
- Easily accepts 1st and 2nd order bends for tipping and aligning.
- Very good resiliency as compared to Stainless Steel.
- Approximately half the tooth-moving force of Stainless Steel.
- Excellent finishing wire.
- Retainer and appliance fabrication is easy with our CNA Beta III/TM 14" lengths

Stainless Steel Solid - DURADENT™

Our archwires are manufactured from medical grade 304V Stainless Steel material (70% Fe, 19% Cr, 9% Ni, 1.5% Mn, 0.5% Si). These archwires can be used throughout treatment but are best suited for mid - to late stages of treatment.

- Superior surface finish.
- Higher force and limited resiliency as compared with Beta III CNA™ wire.
- Forces drop quickly; best suited as a finishing wire.
- Easy to bend.
- Greater patient discomfort when used in early treatment stages.

Stainless Steel Multi-strand - TWISTADENT™

adenta's three types of multi-strand wires made of medical grade Type 302SS (71% Fe, 18% Cr, 9% Ni, 1% Mn, 0.5% Si) are well suited for early stages of treatment as well as the finishing stage of detailing and retention. Lower forces and better resiliency than solid Stainless Steel.

- TWISTADENT™ 3d-strand (twisted) wire provides moderate forces and limited flexibility.
- TWISTADENT™ Coax (6-strand) wire provides lighter to moderate forces and slightly better resiliency than 3-strand.
- TWISTADENT™ (7-strand) provides light forces
- TWISTADENT™ 8-Braid wire provides the lightest forces of the multi-strand Stainless Steel wires, with relatively good resiliency.



Packaging Options:

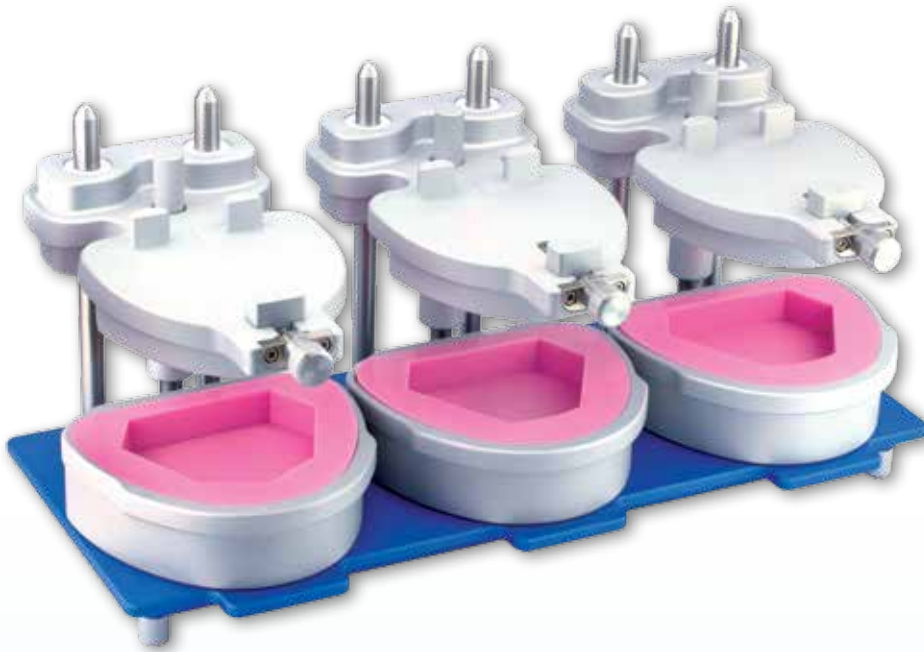
Wire pouch
5/10/25 wires per pouch

Individual packaging also available in plain white envelopes. Please specify your pouch option when ordering.

Please note: Mushroom and Looped wires are not available in new pouch option.



Your adenta Effect SIMPLY BRILLIANT!



MODEL MAKER

- Exact and standardized study models in **8-10 minutes**
- **Without trimming**
- According to international standards

4timeLABTEC



SET-UP MODEL MAKER

- Exactly register and duplicate malocclusion and Set-Up models
- Precisely transfer teeth positions to wax models
- Fits all articulator mounting plates



OCCLUSAL PLANE REFERENCE

- Precisely create and modify Set-Up models
- Modify models in single millimeter and degree steps
- Fits all articulator mounting plates

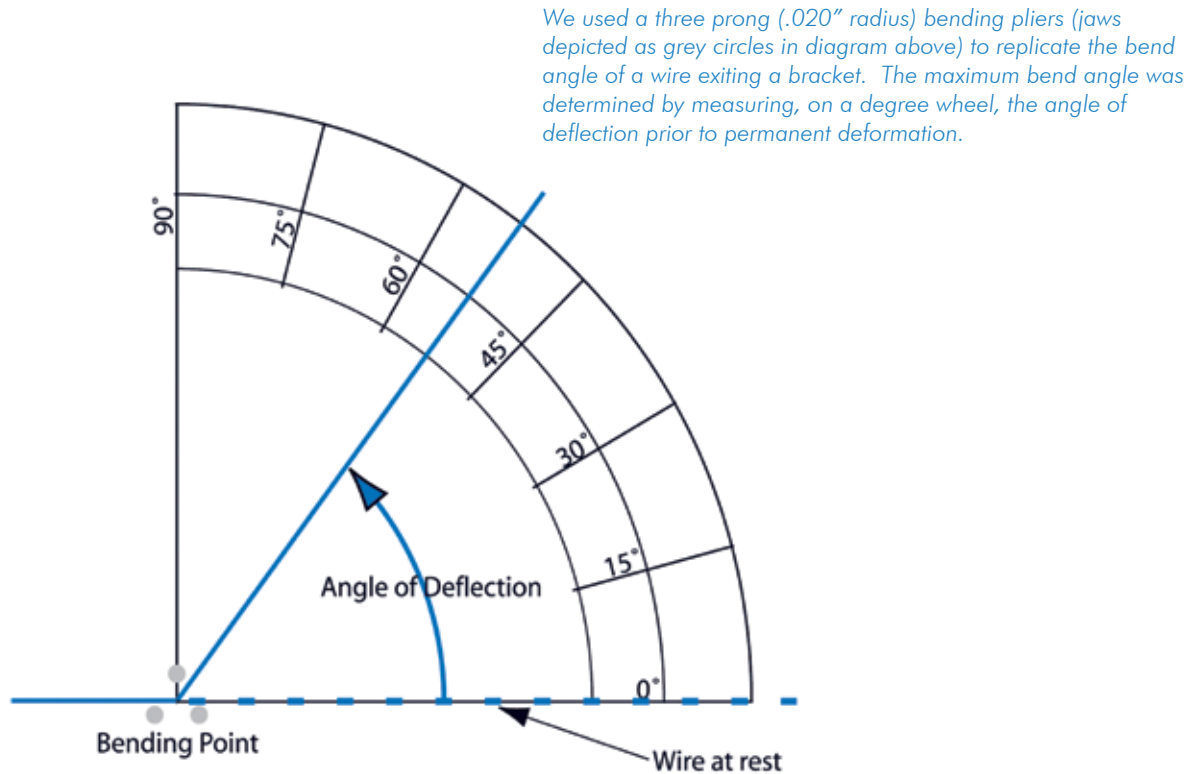


SURGICAL MODEL ACCURACY DEVICE

- Precisely and independently modify oral and maxillofacial surgical models
- Modify models in single millimeter and degree steps
- Create exact surgical splints

Nickel Titanium Maximum Bend Angles

NiTi is so resilient that it is tempting to bend it just a little more: but, how far can it go without being over-stressed and permanent deformations is introduced?

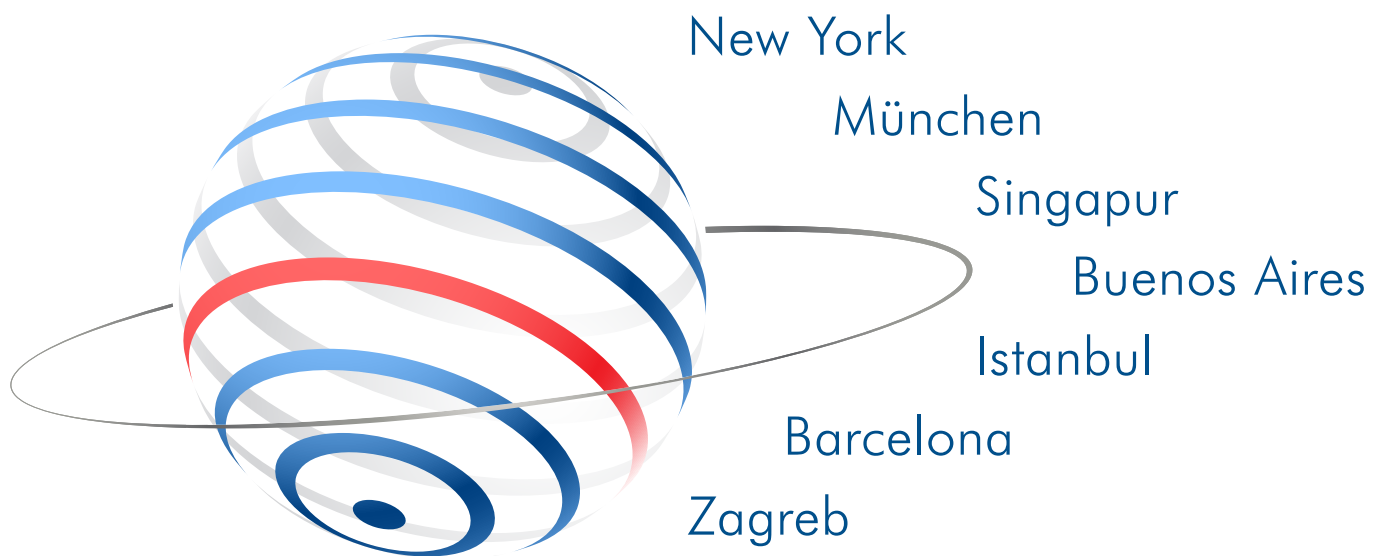


Maximum Bend Angle Guide

| | |
|------------|--|
| 75° | .012 wire |
| 70° | .013 wire |
| 60° | .014 and .014 x .025 wire |
| 50° | .016 and .018 wire |
| 45° | .020 , .016 x .016 , .016 x .022 , .016 x .025 , and .017 x .025 wire |
| 43° | .018 x .018 , .018 x .025 , and .019 x .025 wire |
| 40° | .021 x .025 wire |

NOTE: This data is for approximate reference only. Actual bend angles will be dependent upon specifics of a particular case. Actual wire dimension, bracket position, slot edge radius, wire span, and ligating techniques, etc. will all affect maximum bend angle.

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Dr. Hatto Loidl
Lingual Orthodontics
Self-ligating techniques



Dr. Michael Schubert
Alignment of impacted
and retained teeth



Prof. Dr. Martin Baxmann
Class II Correction



Dr. Claus Schendell
Technical mechanics in
orthodontics - Vectors,
moments, forces, friction

ARCHWIRE AVAILABILITY

THERMADENT™ HEAT ACTIVATED Nickel Titanium Archwires 35° and 40°

THERMADENT™ is available in two activation ranges:

35°

THERMADENT™ Medium Force is our specially developed heat-activated Nickel Titanium wire with consistent A_f performance and moderate forces. This is an easy wire to work with being activated at body temperature.

40°

THERMADENT™ Light Force is a heat-activated wire specifically designed for consistent A_f performance and low tooth moving forces. THERMADENT™ wire provides outstanding resiliency and exhibits true thermal performance at temperatures higher than body temperature.

| ARCH FORM | Round | Rectangular | Round-Dimpled | Rectangular-Dimpled | Pre-Stopped Round | Pre-Stopped Rectangular | pc/Pack |
|------------|-------|-------------|---------------|---------------------|-------------------|-------------------------|---------|
| EURO | 35° | 40° + 35° | 40° + 35° | 40° + 35° | 40° + 35° | 40° + 35° | 10 |
| NATURAL | 35° | 40° + 35° | 40° + 35° | 40° + 35° | 40° + 35° | 40° + 35° | 10 |
| STANDARD | 35° | 35° | | | | | 10 |
| UNIVERSAL | 35° | | | | | | 10 |
| BIO-OVOID | 35° | 35° | | | | | 10 |
| STRAIGHT | 35° | | | | | | 10 |
| RC 1, 3, 5 | 40° | 40° | 40° | 40° | | | 10 |

*** PRE-Stopped wires are with crimpable tube stops. ***

.020 and .021 x .025 NOT available

ARCHWIRE SIZES

.012 and .020 UNIVERSAL not available

| Round | .012 | .014 | .016 | .018 | .020 |
|-------------|-------------|---------------|-------------|-------------|-------------|
| Square | .016 x .016 | .0175 x .0175 | .018 x .018 | .020 x .020 | |
| Rectangular | .014 x .025 | .016 x .022 | .016 x .025 | .017 x .025 | .018 x .025 |
| | .019 x .025 | .021 x .025 | | | |

Single Packaged Wires available for: EURO, NATURAL, BIO-OVOID, UNIVERSAL, RC 1 + 3 + 5

Single packaged archwires on request available.

10 individually packaged wires per pack.

*** Minimum order of 10 packs per item number required ***

ARCHWIRE ORDER INFORMATION

In order to facilitate your ordering process, you can customize your wire and create your item number by combining the following digits - If you would like to order Heat Activated NiTi in 40°, please use NNTM for ordering, if you would like to receive Heat Activated NiTi in 35°, please use NNT.

NNT or NNTM + Arch Form + Extra + Wire Diameter + Jaw Code

| 40° | | OBLIGATORY | | OPTIONAL | | OBLIGATORY | | OBLIGATORY | |
|---------------------------------|---|-----------------|-----|--|---|--|-------|---------------|---|
| 35° | | ARCH FORM | | Extra | | Wire Diameter | | Jaw Code | |
| NNTM | | EURO | E | Tube Stopped | T | .012" | 12 | Upper | U |
| | | NATURAL | N | Dimpled | D | .014" | 14 | Lower | L |
| | | STANDARD | S | No Extra | | .016" | 16 | Upper & Lower | |
| | | UNIVERSAL | U | | | ... | ... | | |
| | | BIO-OVOID | O | | | .016" x .016" | 16x16 | | |
| or | + | STRAIGHT | ST | + Please refer to the table for wire Extras available for your selected arch form! | + | Please refer to the corresponding Arch-wire Availability to see which arch diameters are available for your selection! | | + | |
| | | REVERSE CURVE 1 | RC1 | | | | | | |
| | | REVERSE CURVE 3 | RC3 | | | | | | |
| | | REVERSE CURVE 5 | RC5 | | | | | | |
| NNT | | | | | | | | | |
| NNT + E + T + 14 + U = NNTET14U | | | | | | | | | |

EXAMPLE 1 You would like to order a **NiTi Heat Activated 35°** archwire in **EURO** Form with **Tube Stops** on the archwire with the diameter **.014** for the **Upper Arch**.

NNTM + U + 16x16 = NNTMU16x16

EXAMPLE 2 You would like to order a **NiTi Heat Activated 40°** archwire in **UNIVERSAL** Form with the diameter **.016x.016** for the **Upper and Lower Arch**.

For Single Packaged Arch Wires please use the same Order Logic as above stated. Please put a "S-" in front of the item number to indicate that you would like to have your wire selection individually packaged.

ARCHWIRE AVAILABILITY

PERFECT-TI™ Nickel Titanium Superelastic Archwires Ultra-low Friction

| ARCH FORM | Round-Dimpled | Rectangular-Dimpled | pc/Pack |
|-----------|---------------|---------------------|---------|
| EURO | | | 10 |
| NATURAL | | | 10 |
| UNIVERSAL | | | 10 |

ARCHWIRE SIZES

.021 x .025 UNIVERSAL not available

| | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|
| Round | .012 | .014 | .016 | .018 | .020 |
| Square | .016 x .016 | | | | |
| Rectangular | .014 x .025 | .016 x .022 | .016 x .025 | .017 x .025 | .018 x .025 |
| | .019 x .025 | .021 x .025 | | | |

Single Packaged Wires available for: EURO, NATURAL, UNIVERSAL

Single packaged archwires on request available.

10 individually packaged wires per pack.

*** Minimum order of 10 packs per item number required ***



Packaging Options:

Wire pouch
5/10/25 wires per pouch

Individual packaging also available in plain white envelopes. *Please specify your pouch option when ordering.*

Please note: Mushroom and Looped wires are not available in new pouch option.

ARCHWIRE ORDER INFORMATION

In order to facilitate your ordering process, you can customize your wire and create your item number by combining the following digits:

PNT + Arch Form + Dimpled + Wire Diameter + Jaw Code

| OBLIGATORY ARCH FORM | | | OBLIGATORY Extra | | OBLIGATORY Wire Diameter | | OBLIGATORY Jaw Code | |
|---------------------------------------|-----------|---|------------------|---|--|-------|---------------------|---|
| PNT | EURO | E | Dimpled | D | .012" | 12 | Upper | U |
| | NATURAL | N | | | .014" | 14 | Lower | L |
| | UNIVERSAL | U | | | .016" | 16 | Upper & Lower | |
| | | | | | ... | ... | | |
| | | | | | .016" x .016" | 16x16 | | |
| + + + + | | | | | | | | |
| | | | | | Please refer to the corresponding Arch-wire Availability to see which arch diameters are available for your selection! | | | |
| PNT + N + D + 16x16 + L = PNTND16x16L | | | | | | | | |

EXAMPLE 1 You would like to order a **NiTi Ultra-low Friction** archwire in **NATURAL** Form with **Dimples** on the archwire with the diameter **.016 x .016** for the **Lower Arch**.

PNT + U + D + 16 = PNTUD16

EXAMPLE 2 You would like to order a **NiTi Ultra-low Friction** archwire in **UNIVERSAL** Form with **Dimples** on the archwire in with the diameter **.016** for the **Upper and Lower Arch**.

For Single Packaged Arch Wires please use the same Order Logic as above stated. Please put a "S-" in front of the item number to indicate that you would like to have your wire selection individually packaged.

ARCHWIRE AVAILABILITY

FLEXADENT™ Nickel Titanium Superelastic Archwires

| ARCH FORM | Round | Rectangular | Round-Dimpled | Rectangular-Dimpled | Pre-Stopped Round | Pre-Stopped Rectangular | pc/Pack |
|-----------------|-------|-------------|---------------|---------------------|-------------------|-------------------------|---------|
| EURO | | | | | | | 10 |
| NATURAL | | | | | | | 10 |
| STANDARD | | | | | | | 10 |
| UNIVERSAL | | | | | | | 10 |
| BIO-OVOID | | | | | | | 10 |
| STRAIGHT 7 inch | | | | | | | 10 |
| RC 1, 3, 5 | | | | | | | 10 |
| SPOOL 15 inch | | | | | | | 1 |

*** PRE-Stopped wires are with crimpable tube stops. ***
.021 x .025 NOT available

ARCHWIRE SIZES

.0175 x .0175 STANDARD NOT available

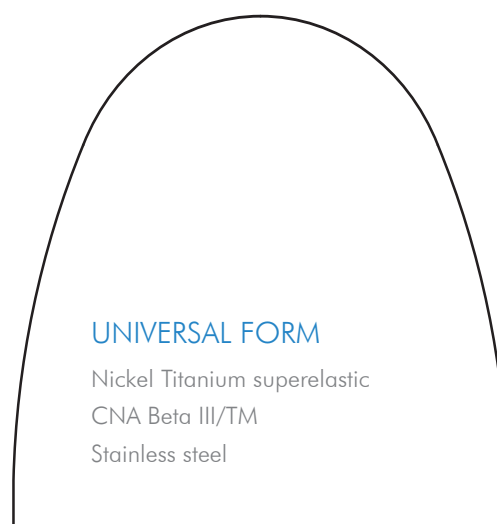
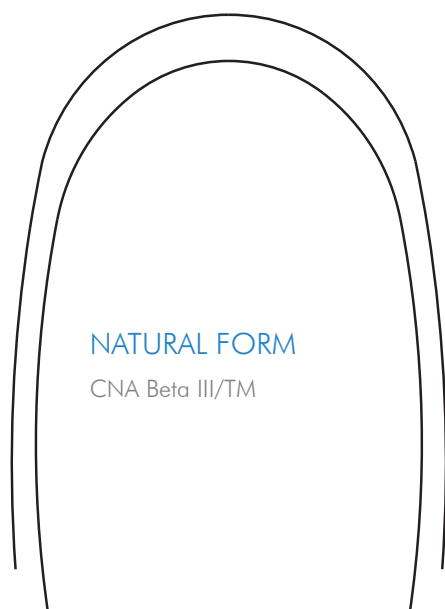
| | | | | | |
|-------------|-------------|---------------|-------------|-------------|-------------|
| Round | .016 | .018 | | | |
| Square | .016 x .016 | .0175 x .0175 | .018 x .018 | .020 x .020 | |
| Rectangular | .014 x .025 | .016 x .022 | .016 x .025 | .017 x .025 | .018 x .025 |
| | .019 x .025 | .021 x .025 | | | |
| Spools | .016 | .018 | | | |

Single Packaged Wires available for: EURO, NATURAL, BIO-OVOID, UNIVERSAL, RC 1 + 3 + 5

Single packaged archwires on request available.

10 individually packaged wires per pack

*** Minimum order of 10 packs per item number required ***



ARCHWIRE ORDER INFORMATION

In order to facilitate your ordering process, you can customize your wire and create your item number by combining the following digits:

NT + Arch Form + Extra + Wire Diameter + Jaw Code

| 40° 35° | OBLIGATORY | | OPTIONAL | | OBLIGATORY | | OBLIGATORY | |
|------------|-----------------|-----|--|---|---------------|-------|---------------|---|
| | ARCH FORM | | Extra | | Wire Diameter | | Jaw Code | |
| NT | EURO | E | Tube Stopped | T | .012" | 12 | Upper | U |
| | NATURAL | N | Dimpled | D | .014" | 14 | Lower | L |
| | STANDARD | S | No Extra | | .016" | 16 | Upper & Lower | |
| | UNIVERSAL | U | | | ... | ... | | |
| | BIO-OVOID | O | Please refer to the table for wire Extras available for your selected arch form! | | .016" x .016" | 16x16 | | |
| | STRAIGHT | ST | | | | | | |
| | REVERSE CURVE 1 | RC1 | | | | | | |
| | REVERSE CURVE 3 | RC3 | | | | | | |
| | REVERSE CURVE 5 | RC5 | | | | | | |
| | SPOOL | SP | | | | | | |

Please refer to the corresponding Arch-wire Availability to see which arch diameters are available for your selection!

NT + E + D + 14 + U = NTOD14U

EXAMPLE 1 You would like to order a **NiTi Superelastic** archwire in **EURO** Form with **Dimples** on the archwire with the diameter **.014** for the **Upper Arch**.

NT + E + 16x16 + L = NTE16x16L

EXAMPLE 2 You would like to order a **NiTi Superelastic** archwire in **EURO** Form with on the archwire in with the diameter **.016x.016** for the **Lower Arch**.

For Single Packaged Arch Wires please use the same Order Logic as above stated. Please put a "S-" in front of the item number to indicate that you would like to have your wire selection individually packaged.

ARCHWIRE AVAILABILITY

TRIDENT™ CNA Beta III/TM Nickel Free

| ARCH FORM | Round | Rectangular | pc/Pack |
|--------------------|-------|-------------|---------|
| EURO | | | 10 |
| NATURAL | | | 10 |
| STANDARD | | | 10 |
| UNIVERSAL | | | 10 |
| STRAIGHT 14 inch | | | 10 |
| Mushr. 2-Loops | | | 10 |
| CTA Intrusion Arch | | | 10 |

Mushroom Looped available for:
 Upper arch form: 32-56mm in 2mm increments
 Lower arch form: 24-30mm in 2mm increments
 Anterior Loop Spacing is measured from center of loops

ARCHWIRE SIZES

UNIVERSAL available only in .016x.022 - .016x.025 - .017x.025 - .018x.025 - .019x.025
 STRAIGHT length wires are available in all of the above wire sizes as well as .027 - .032 - .036
 CTA INTRUSION ARCH available only in .016x.022 and .017x.025

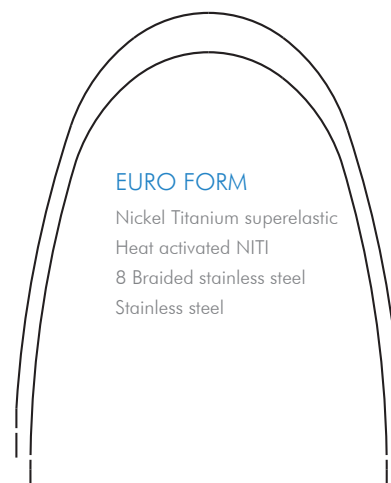
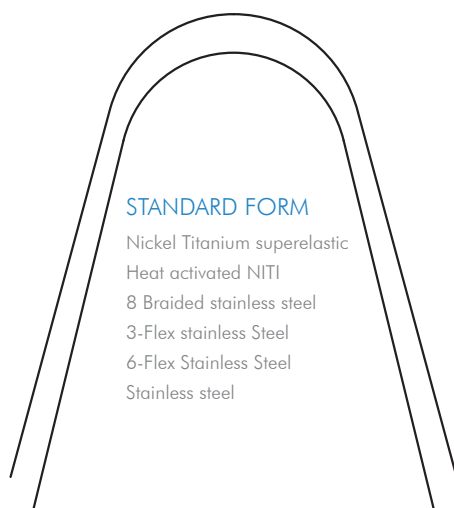
| | | | | | |
|--------|-------------|---------------|-------------|-------------|-------------|
| Round | .016 | .018 | | | |
| Square | .016 x .016 | .0175 x .0175 | .018 x .018 | | |
| Square | .016 x .022 | .017 x .025 | .018 x .025 | .019 x .025 | .021 x .025 |

Single Packaged Wires available for: EURO, NATURAL, UNIVERSAL

Single packaged archwires on request available, except looped archwires.

10 individually packaged wires per pack

*** Minimum order of 10 packs per item number required ***



ARCHWIRE ORDER INFORMATION

In order to facilitate your ordering process, you can customize your wire and create your item number by combining the following digits:

CNA + Arch Form + Extra + Wire Diameter + Jaw Code

| 40° 35° | OBLIGATORY | | OPTIONAL | | OBLIGATORY | | OBLIGATORY | |
|------------|----------------|-----|----------|-----|---------------|-------|---------------|---|
| | ARCH FORM | | Extra | | Wire Diameter | | Jaw Code | |
| CNA | EURO | E | No Extra | | .012" | 12 | Upper | U |
| | NATURAL | N | 24mm | 24 | .014" | 14 | Lower | L |
| | STANDARD | S | 26mm | 26 | .016" | 16 | Upper & Lower | |
| | UNIVERSAL | U | 28mm | 28 | ... | ... | | |
| | STRAIGHT | ST | ... | ... | .019" x .025" | 19x25 | | |
| | MUSHR. 2 Loop | M | 56mm | 56 | | | | |
| | CTA INTR. ARCH | CTA | | | | | | |

Please refer to the corresponding Arch-wire Availability to see which arch diameters are available for your selection!

CNA + N + 14 + U = CNAN14U

EXAMPLE 1 You would like to order a **CNA Beta III Nickel Free** archwire in **NATURAL** Form with the diameter **.014** for the **Upper Arch**.

CNA + M + 34 + 19x25 = CNAM3419x25

EXAMPLE 2 You would like to order a **CNA Beta III Nickel Free** archwire with **Mushroom 2 Loop** with **34mm Anterior Loop Spacing** in wire diameter **.019 x .025**.

For Single Packaged Arch Wires please use the same Order Logic as above stated. Please put a "S-" in front of the item number to indicate that you would like to have your wire selection individually packaged.

ARCHWIRE AVAILABILITY

DURADENT™ Stainless Steel Archwires

| ARCH FORM | Round | Rectangular | pc/Pack |
|----------------|---------------|-------------|---------|
| EURO | | | 25 |
| NATURAL | | | 25 |
| STANDARD | | | 25 |
| UNIVERSAL | | | 25 |
| BIO-OVOID | made to order | | |
| STRAIGHT 14 | | | 10 |
| KEYHOLE 2 Loop | | | 10 |
| KEYHOLE 4 Loop | | | 10 |

Keyhole Looped available for:

Wire Sizes 2-Loop: .016x.022, .017x.025, .019x.025

Wire sizes 4-Loop: .016x.022, .017x.025, .019x.025, .021x.025

Anterior Loop Spacing for 2- and 4-Keyhole Loops measured from the center of mesial loops: 22-44mm, in 2mm increments

Arch Forms: EURO, NATURAL, STANDARD, UNIVERSAL

.017 x .017 UNIVERSAL and BIO-OVOID not available!

| Round | .012 | .014 | .016 | .018 | .020 |
|-------------|-------------|-------------|-------------|-------------|-------------|
| Square | .016 x .016 | .017 x .017 | .018 x .018 | .020 x .020 | |
| Rectangular | .016 x .022 | .016 x .025 | .017 x .022 | .017 x .025 | .018 x .022 |
| | .018 x .025 | .019 x .025 | .021 x .025 | | |

Arch Forms: STRAIGHT

| Round | .012 | .014 | .016 | .018 | .020 |
|-------------|-------------|-------------|-------------|-------------|-------------|
| | .022 | .024 | .025 | .026 | .028 |
| | .030 | .032 | .036 | .040 | .045 |
| | .051 | .056 | .060 | | |
| Square | .016 x .016 | .017 x .017 | .018 x .018 | | .020 x .020 |
| Rectangular | .016 x .022 | .017 x .022 | .017 x .025 | .018 x .022 | .018 x .025 |
| | .019 x .025 | .021 x .025 | | | |

Single Packaged Wires available for: EURO, NATURAL, BIO-OVOID, UNIVERSAL

Single packaged archwires on request available, except looped archwires.

10 individually packaged wires per pack

*** Minimum order of 10 packs per item number required ***

ARCHWIRE ORDER INFORMATION

In order to facilitate your ordering process, you can customize your wire and create your item number by combining the following digits:

ST + Arch Form + Wire Diameter + Jaw Code

| OBLIGATORY ARCH FORM | | | | OPTIONAL Extra | | OBLIGATORY Wire Diameter | | OBLIGATORY Jaw Code | |
|----------------------|-----------|----|----------|----------------|---|--------------------------|-------|---------------------|---|
| ST | EURO | E | No Extra | | | .012" | 12 | Upper | U |
| | NATURAL | N | 22mm | 22 | | .014" | 14 | Lower | L |
| | STANDARD | S | 24mm | 24 | | .016" | 16 | Upper & Lower | |
| | UNIVERSAL | U | 26mm | 26 | | ... | ... | | |
| | BIO-OVOID | O | 28mm | 28 | | | | | |
| | STRAIGHT | ST | ... | ... | + | .019" x .025" | 19x25 | + | |
| | KEYHOLE 2 | K2 | 44mm | 44 | | | | | |
| | KEYHOLE 4 | K4 | | | | | | | |

Please refer to the table for wire Extras available for your selected arch form!

Please refer to the corresponding Archwire Availability to see which arch diameters are available for your selection!

ST + E + 16x22 + L = STE16x22L

EXAMPLE 1 You would like to order a **Stainless Steel** archwire in **EURO** Form with the diameter **.016x.022** for the **Lower Arch**.

ST + K2 + 22 + 17x25 = STK22217x25

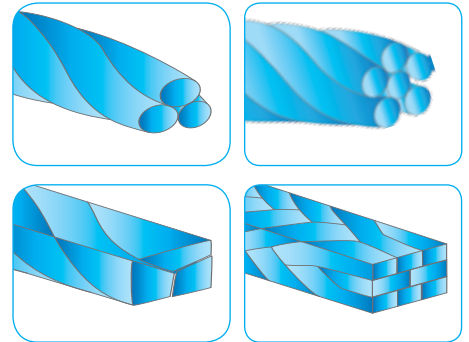
EXAMPLE 2 You would like to order a **Stainless Steel** archwire with **Keyhole 2 Loops** with **22mm** Anterior Loop Spacing with the diameter **.017x.025** for the **Upper or Lower Arch**.

For Single Packaged Arch Wires please use the same Order Logic as above stated. Please put a "S-" in front of the item number to indicate that you would like to have your wire selection individually packaged.

ARCHWIRE AVAILABILITY

TWISTADENT™ Stainless Steel Twisted/Braided/Stranded/Coax Archwires

| | ARCH FORM | Round | Rectangular | pc/Pack |
|-------------------------------------|------------------|-------|-------------|---------|
| TWISTADENT 3-strand T3 | NATURAL | | | 10 |
| | STRAIGHT 14 inch | | | 10 |
| | Spool 30 foot | | | 1 |
| TWISTADENT 6-Coax T6 | NATURAL | | | 10 |
| | STRAIGHT 14 inch | | | 10 |
| | Spool 30 foot | | | 1 |
| TWISTADENT 7-strand T7 | Spool 30 foot | | | 1 |
| TWISTADENT 8-braid T8 | NATURAL | | | 10 |
| | EURO | | | |
| | STRAIGHT 14 inch | | | 10 |



Arch Forms: TWISTADENT 3-strand

| | | | | |
|------------------|-------------|-------------|-------------|-------------|
| Round and Spools | .0155 | .0175 | .0195 | .0215 |
| Square | .016 x .016 | | | |
| Rectangular | .016 x .022 | .017 x .025 | .018 x .025 | .019 x .025 |

Arch Forms: TWISTADENT 6-coax

| | | | | |
|------------------|-------|-------|-------|-------|
| Round and Spools | .0155 | .0175 | .0195 | .0215 |
|------------------|-------|-------|-------|-------|

Arch Forms: TWISTADENT 7-strand

| | | |
|--------|-------|-------|
| Spools | .0155 | .0175 |
|--------|-------|-------|

Arch Forms: TWISTADENT 8-braid

| | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|
| Square | .016 x .016 | | | | |
| Rectangular | .016 x .022 | .017 x .025 | .018 x .025 | .019 x .025 | .021 x .025 |

Single Packaged Wires available for: EURO, NATURAL

Single packaged archwires on request available.

10 individually packaged wires per pack

*** Minimum order of 10 packs per item number required ***

ARCHWIRE AVAILABILITY

LINGUAL ARCH WIRES

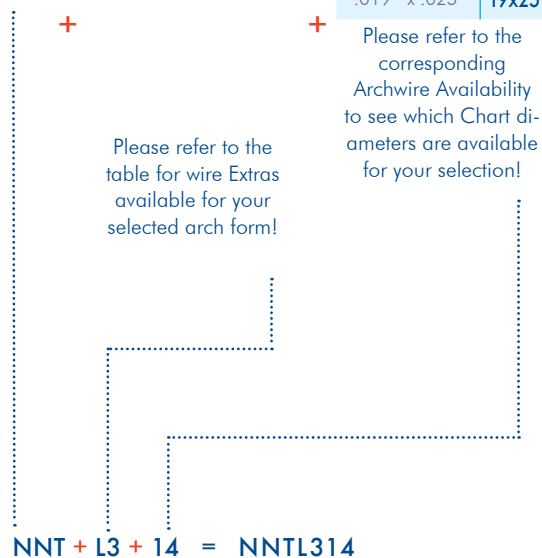
| | ARCH FORM | Round | Square / Rectangular | pc/Pack |
|----------------|-------------------------|--------------------|---|---------|
| THERMADENT 40° | LINGUAL Form 1, 2, 3, 4 | .012 - .014 - .016 | .016x.016 - .016x.022 - .017x.025 | 5 |
| FLEXADENT | LINGUAL Form 1, 2, 3, 4 | .014 | | 5 |
| TRIDENT | LINGUAL Form 1, 2, 3, 4 | | .016x.016 - .016x.022 - .017x.025 | 5 |
| DURADENT | LINGUAL Form 1, 2, 3, 4 | .016 | .016x.016 - .018x.018 - .016x.022 - .018x.025 | 10 |

ARCHWIRE ORDER INFORMATION

In order to facilitate your ordering process, you can customize your wire and create your item number by combining the following digits:

Material Selection + Arch Form + Wire Diameter

| OBLIGATORY MATERIAL SELECTION | | OBLIGATORY ARCH FORM | | OBLIGATORY Wire Diameter | |
|-------------------------------|-----|----------------------|----|--------------------------|-------|
| NiTi Heat Activated | NNT | r = 11.0 mm | L1 | .012" | 12 |
| NiTi Superelastic | NT | r = 12.3 mm | L2 | .014" | 14 |
| CNA Beta III/TM | CNA | r = 13.6 mm | L3 | .016" | 16 |
| Stainless Steel | ST | r = 14.9 mm | L4 | ... | ... |
| | | | | .019" x .025" | 19x25 |



EXAMPLE 1 You would like to order a **NiTi Heat Activated** archwire in **LINGUAL Form 3** with an anterior radius of **13.6 mm** with the wire diameter of **.014**.

$$\text{NT} + \text{L3} + 14 = \text{NTL314}$$

EXAMPLE 2 You would like to order a **NiTi Superelastic** archwire in **LINGUAL Form 3** with an anterior radius of **13.6 mm** with the wire diameter of **.014**.

For Single Packaged Arch Wires please use the same Order Logic as above stated. Please put a "S-" in front of the item number to indicate that you would like to have your wire selection individually packaged.

FLEXADENT Nickel Titanium Springs

Nickel Titanium's superelastic qualities make it the perfect material for orthodontic springs. With proper usage, NiTi springs are highly resistant to permanent set and provide comfortable, predictable forces during treatment. In comparison, stainless steel springs exert high initial forces, lose force quickly after placement, and will commonly take a permanent set.

Open Coil Spring



- Made of premium Nickel Titanium wire with variable force.
- Provide continuous forces throughout activation.
- Virtually no permanent deformation with proper usage.
- Wide range of forces available.

| NiTi Open Coil Spring | | STRAIGHT | SPOOL |
|-----------------------|---------------|----------|--------|
| Variable Force | .009" x .030" | FONT5 | FONT51 |
| | .010" x .030" | FONT1 | FONT54 |
| | .011" x .030" | FONT6 | FONT56 |
| | .012" x .030" | FONT2 | FONT55 |
| | .010" x .036" | FONT7 | FONT57 |
| | .014" x .036" | FONT3 | FONT58 |
| | .010" x .045" | FONT4 | FONT52 |
| | .012" x .045" | FONT8 | FONT53 |

7 inch lengths (3 per tube) and 15 inch spools.

Closed Coil Spring



- Springs are made of premium Nickel Titanium wire with superelastic force.
- Provide continuous retraction forces throughout activation.
- Securely attached, precision designed Stainless Steel Key-end eyelets for easy attachment.
- Recommended activation length is two times original spring length.

| NiTi Closed Coil Spring | | 6mm | 9mm | 12mm | pcs/pack |
|-------------------------|-----------------------------|--------|-------|--------|----------|
| Variable Force | .009" x .030" - Super Light | | FGNT0 | FGNTL4 | 3 |
| | .010" x .030" - Light | FGNTS1 | FGNT1 | FGNTL1 | 3 |
| | .011" x .030" - Medium | FGNTS2 | FGNT2 | FGNTL2 | 3 |
| | .012" x .030" - Heavy | FGNTS3 | FGNT3 | FGNTL3 | 3 |

Distalizing Spring



| NiTi Distalizing Spring | Light Spool | Medium Spool | Heavy Spool | Light Length | Medium Length | Heavy Length |
|-------------------------|-------------|--------------|-------------|--------------|---------------|--------------|
| .009" x .036" | DSSL9x36 | | | DSSL9x36 | | |
| .010" x .036" | | DSSM10x36 | | | DSML10x36 | |
| .010" x .045" | | DSSM10x45 | | | DSML10x45 | |
| .011" x .036" | | | DSSH11x36 | | | DSHL11x36 |
| .011" x .045" | | | DSSH11x45 | | | DSHL11x45 |

7 inch lengths (3 per tube) and 15 inch spools.

NiTi Class II Springs



NiTi Class II Spring

| 10 pieces | .007" x .020" | NTC27X20 |
|-----------|---------------|----------|
| | .007" x .024" | NTC27X24 |
| | .007" x .026" | NTC27X26 |
| | .007" x .030" | NTC27X23 |

Stainless Steel Auxiliary Products

SS Closed and Open Spools



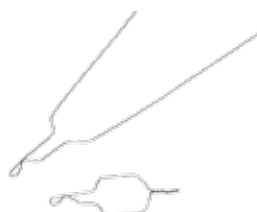
An economical offering, Stainless Steel springs provide high initial forces; however, unlike the forces of our premium Nickel Titanium springs, stainless steel forces of our premium Nickel Titanium springs, stainless steel forces decrease rapidly with tooth movement. Stainless Steel springs are also subject to taking a permanent set when fully compressed or expanded.

40 inch spool

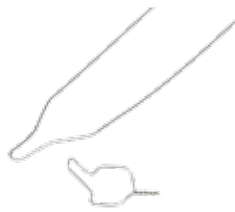
| | CLOSED | OPEN |
|---------------|-------------|--------------|
| .010" x .028" | | ST-SPC 10x28 |
| .010" x .030" | ST-SPE10x30 | ST-SPC10x30 |
| .010" x .036" | | ST-SPC10x36 |

- Extension or closed springs are effective in maintaining space openings.
- Compression or open springs are most commonly used to create space.

SS Kobayashi Ties



SS Ligature Ties



Our Preformed Ligature and Kobayashi products are made of annealed 304 Stainless Steel to ensure consistent shape and predictable performance. Used in place of elastic ligatures, you will appreciate the ease with which they can be placed over the bracket and tied.

Stainless Steel Kobayashi Ties

| | Long | Short |
|-------|------------|------------|
| | 100 pieces | 500 pieces |
| .010" | ST-KTL10 | |
| .012" | ST-KTL12 | ST-KTS12 |
| .014" | ST-KTL14 | ST-KTS14 |

Stainless Steel Ligature Ties

| | | Long | Short |
|-------------|-------|----------|----------|
| | | | |
| 1000 pieces | .008" | ST-LWL8 | |
| 1000 pieces | .009" | ST-LWL9 | |
| 500 pieces | .010" | ST-LWL10 | ST-LWS10 |
| 1000 pieces | .012" | ST-LWL12 | |

Wire Accessories

SS Crimpable Ball Hooks



| Crimpable Stop | Item # |
|-----------------|--------|
| RIGHT- PK 10 | SSBHR |
| LEFT- PK 10 | SSBHL |
| STRAIGHT- PK 10 | SSBHS |

Stainless Steel Stop Lock



| Description | Item # |
|------------------|--------|
| STOP LOCK - PK 5 | SL |
| WRENCH | SLW |

SS Crimpable C Stops



| Description | Item # |
|---------------|--------|
| C Stop- PK 10 | C-STOP |

SS Crimpable Split Stops



| Description | Item # |
|-------------------|--------|
| SPLIT STOP- PK 10 | S |

Elastomerics

Elastic Chain | Elastic Ligatures | Separators | Elastic Thread

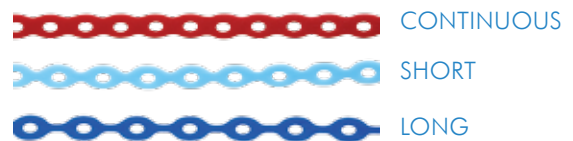
Elastomerics



Elastomerics

High quality brightly vibrant fun colors inspired by the colors our kids love.

- Medical Grade polyurethane
- Superior color stability, fade resistant
- High elasticity and excellent rebound
- Stain and moisture resistant material




Elastic Chain



Stain and moisture resistant material has consistent force delivery with minimal decay rates.



| Item # | Continuous | | Item # | Short | | Item # | Long | |
|----------|-----------------|---|----------|-----------------|---|----------|-----------------|---|
| EK0AG | silver |  | EK1AG | silver |  | EK2AG | silver |  |
| EK0B | blue |  | EK1B | blue |  | EK2B | blue |  |
| EK0F | fuchsia |  | EK1F | fuchsia |  | EK2F | fuchsia |  |
| EK0G | grey |  | EK1G | grey |  | EK2G | grey |  |
| EK0GE | yellow |  | EK1GE | yellow |  | EK2GE | yellow |  |
| EK0GR | green |  | EK1GR | green |  | EK2GR | green |  |
| EK0HB | sky blue |  | EK1HB | sky blue |  | EK2HB | light blue |  |
| EK0K | clear |  | EK1K | clear |  | EK2K | clear |  |
| EK0L | purple |  | EK1L | purple |  | EK2L | purple |  |
| EK0LC | lavender |  | EK1LC | lavender |  | EK2LC | lavender |  |
| EK0O | orange |  | EK1O | orange |  | EK2O | orange |  |
| EK0P | pink |  | EK1P | pink |  | EK2P | pink |  |
| EK0R | red |  | EK1R | red |  | EK2R | red |  |
| EK0S | black |  | EK1S | black |  | EK2S | black |  |
| EK0T | turquoise |  | EK1T | turquoise |  | EK2T | turquoise |  |
| EK0W | white |  | EK1W | white |  | EK2W | white |  |
| EK0MB | metallic blue |  | EK1MB | metallic blue |  | EK2MB | metallic blue |  |
| EK0ML | metallic purple |  | EK1ML | metallic purple |  | EK0ML | metallic purple |  |
| EKOPearl | pearl |  | EKOPearl | pearl |  | EK2Pearl | pearl |  |

Elastic Ligatures

Regular / Glow in the Dark

Designed to maximize treatment efficiency, long-term elasticity facilitate both archwire retention and tooth movement.



| Item # | Color | | Item # | Color | | Item # | color | |
|----------|---------------------|--|-----------|-------------|--|---------|----------------------|--|
| ELP-FS | mixed colors | | ELP-DG | dark green | | ELP-ML | metallic purple | |
| ELP-FS/F | mixed spring colors | | ELP-HB | sky blue | | ELP-OGF | metallic ocean green | |
| ELP-AG | silver | | ELP-HR | light pink | | ELP-MS | metallic black | |
| ELP-G | dark grey | | ELP-KB | royal blue | | ELP-MR | metallic red | |
| ELP-HG | light grey | | ELP-L | purple | | ELP-MB | metallic blue | |
| ELP-US-G | grey ultra-slide | | ELP-LL | lavender | | ELPG-FS | mixed glow colors | |
| ELP-K | clear | | ELP-MP | fuchsia | | | | |
| ELP-US-K | clear ultra-slide | | ELP-O | orange | | | | |
| ELP-S | black | | ELP-R | red | | | | |
| ELP-W | white | | ELP-SG | teal | | | | |
| ELP-AGR | apple green | | ELP-PEARL | pearl | | | | |
| ELP-DB | navy blue | | ELP-BP | barbie pink | | | | |

NOTE: Color range varies from country to country
SIZE: Inner diameter 0.12" 45 sticks per bag

Elastic Thread



Solid elastomeric material extruded in a precision thread form. Exerts continuous long lasting, predictable force. Moisture, odor and stain resistant. Ideal for rotations, retraction and figure 8's.

Elastic Thread order info

| Item # | Solid | Item # | Hollow | Item # | Rough |
|---------|-------------------|----------|----------------------|----------|---------------------|
| ELF-25G | solid – 025 grey | ELFH-25G | hollow – 025 – grey | ELFU-25G | rough – 025 – grey |
| ELF-25K | solid – 025 clear | ELFH-25K | hollow – 025 – clear | ELFU-25K | rough – 025 – clear |
| ELF-30G | solid – 030 grey | ELFH-30G | hollow – 030 – grey | ELFU-30G | rough – 030 – grey |
| ELF-30K | solid – 030 clear | ELFH-30K | hollow – 030 – clear | ELFU-30K | rough – 030 – clear |

Radiopaque Separators



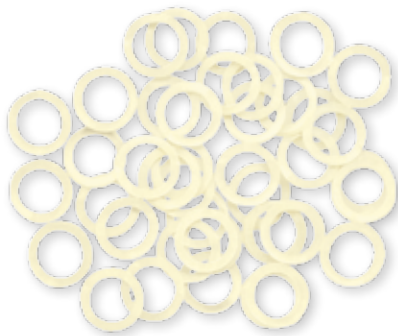
Ultra smooth round edges which makes them easier to insert between the teeth. Our Separators are absorbent free and maintain their elasticity without deterioration.

Radiopaque Separators order info

| Item | Article Description |
|-------|---|
| SSR-2 | Separators – radiopaque – blue 100 sticks |

Intra Oral Elastics

Latex Elastics

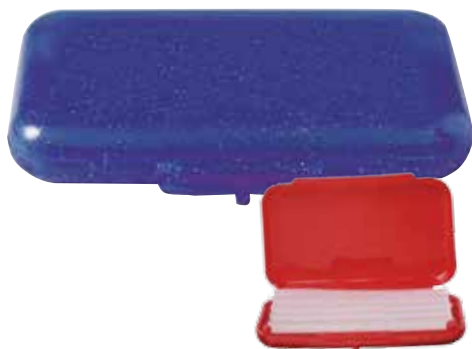


- Force in ounces is measured at 3x passive activation diameter
- Packaged in color-coded tamper-proof patient bags

| Diameter | Light 2.5 oz | | Medium 3.5 oz | | Heavy 4.5 oz | | Extra Heavy 6 oz | |
|---------------|--------------|-------|---------------|-------|--------------|-------|------------------|-------|
| 1/8" / 3.2mm | Red A | EG731 | Green A | EG733 | Blue A | EG735 | Brown A | EG736 |
| 3/16" / 4.8mm | Red B | EG741 | Green B | EG743 | Blue B | EG745 | Brown B | EG746 |
| 1/4" / 6.44mm | Red C | EG751 | Green C | EG753 | Blue C | EG755 | Brown C | EG756 |
| 5/16" / 7.9mm | Red D | EG761 | Green D | EG763 | Blue D | EG765 | Brown D | EG766 |
| 3/8" / 9.5mm | Red E | EG771 | Green E | EG773 | Blue E | EG775 | Brown E | EG776 |

100 elastics per patient bag: 50 bags per dispenser box - minimum order multiple of 2 boxes

Patient Wax



- Ideal for fast, temporary relief from fixed brackets and appliances.

| Item # | Article Description |
|----------------|--|
| DP-WACHS-MULTI | Multi Color / box / 5 strips per box / 50 boxes per pack/scented |
| DP-WACHS | Clear - box / 3 strips per box /100 boxes per pack |

Retainer Cases



One-piece cases are designed with a locking mechanism that stands up to heavy use and prevents accidental opening resulting in lost retainers.



| Item # | Article Description |
|---------|---------------------|
| KD-MB | metallic-blue |
| KD-MS | metallic-black |
| KD-MR | metallic-red |
| KD-MINT | light green |
| KD-B | navy blue |
| KD-GE | yellow |
| KD-L | purple |
| KD-P | pink |
| KD-S | black |



ALL METALLIC BOXES CAN BE USED FOR FUNCTIONAL APPLIANCES!

The Hycon® Device

Space Closure... fast, precise and successful - every patient, every time!

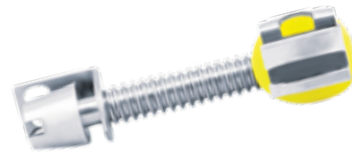
HYCON® Tube

Post inserted into the auxiliary-tube of your double buccal tube.



HYCON® Clip On

Clips on directly to your archwire
(perfect when no auxiliary tube is available)



Successful

"My colleagues tell me that they are able to treat cases with the HYCON® device that before would have been beyond therapy. I close all my spaces with the HYCON® – it has never failed me." Dr. Schütz, Germany

Fast

The movement of the tooth is determined solely by the advancement of the thread of the screw. The thread has been precisely calculated to a pitch of 0.014", now you can precisely calculate this pitch by number of turns to precisely advance the screw and in-turn close the space with complete understanding and control

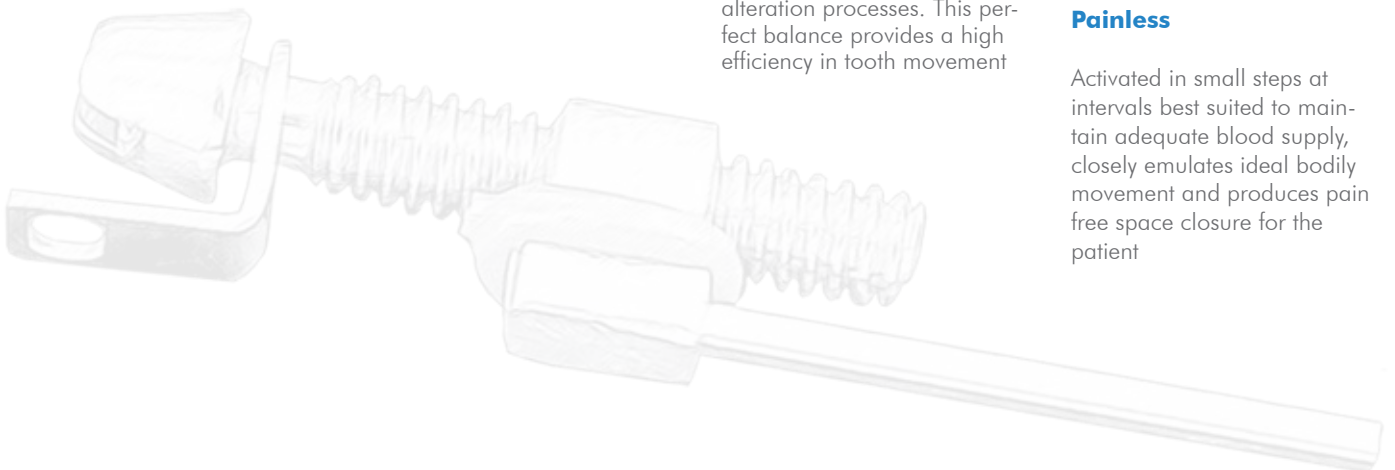


Precise

The HYCON® is activated in small steps at intervals that create an intermittent tooth movement. This allows recovery of the tissue in-between activations, and provides the physiological stimulus for the alteration processes. This perfect balance provides a high efficiency in tooth movement

Painless

Activated in small steps at intervals best suited to maintain adequate blood supply, closely emulates ideal bodily movement and produces pain free space closure for the patient



Ideal tissue remodeling during orthodontic tooth movement

Tooth movement by orthodontic force application is dependent on remodelling in the periodontal ligament and alveolar bone. Supplying the correct stimuli for optimal tooth movement, creates a fast, safe and reliable space closure.

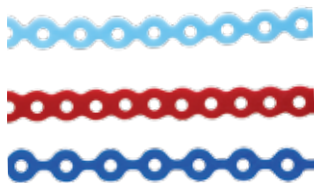
The appliance used to supply this force should create a maximum rate of tooth movement avoiding irreversible damage to the root, periodontal ligament and alveolar.

Research has proven that the periodontal ligament can be compressed up to 70%, the 30% remaining will provide the blood supply to all the surrounding structures. This adequate blood supply insures a safe and fast tooth movement as it is the physiological stimulus for the desired alternation process to progress.

Elastic force problems

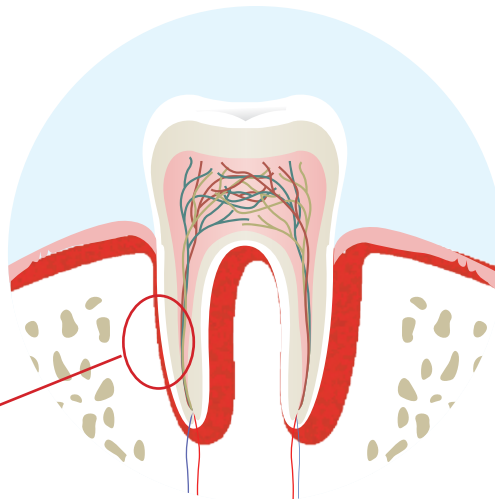
Although elastic forces have been used for space closure for many years, this method has many unanswered questions:

- How much force is applied to the tooth?
- How much of the elastic force is eaten up by the friction in the connected system?
- How can the orthodontist measure this force?



Too much force application compresses blood vessels and osteoblast dies off.

Periodontal ligament compressed beyond 70% - Blood vessels are occluded hence the reduction in oxygen.



Unintentional tooth movement

Too little force application resulting in no movement

High pain and discomfort for the patient

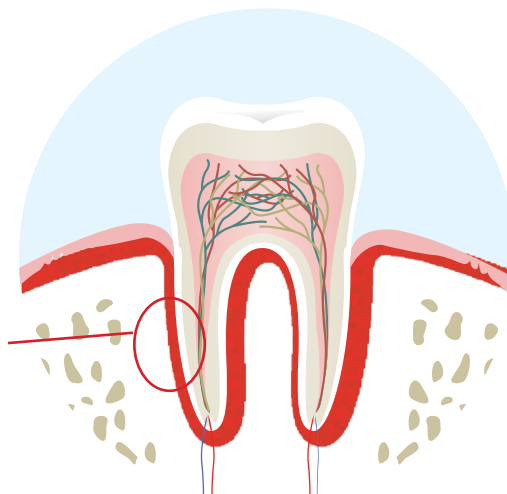
HYCON screw - the mathematics of **SUCCESSFUL SPACE CLOSURE**

In contrast to elastic force, we are able to control the compression of the periodontal ligament by measuring distance. The size and pitch of the screw threads is directly proportional to the movement of the screw. The distance the screw travels can easily be determined - each 180° rotation moves the screw 0.175mm.



Average width periodontal ligament
 $0.25\text{mm} \times 70\% = 0.175\text{mm}$

Movement can be measured as to not overpower the PDL beyond 70% maintaining ideal blood supply



Capable of overcoming any friction in the system

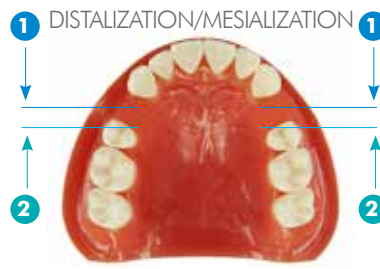
Capable of controlled activation in intervals based on periodontal health

Pain free

Easy activation protocol



No additional anchorage required



Appropriate anchorage required

1 1 full turn
(360°)
EG: 5mm space
360° turn X 2 times a week =
7 weeks to close a 5mm space

2 Mesialization
or
1 Distalization 1/2 turn
(180°)
EG: 5mm space
180° turn X 2 times a week =
14 weeks to close a 5mm space

Activation rate

| | |
|--|-------------------|
| Adolescent + optimal tissue + No periodontitis | turn every 2 days |
| Adult + normal tissue + no/little periodontal tissue | 2 turns per week |
| Adult + Reduced tissue + reduced marginal bone ridge | 1 turn per week |



HYCON® Tube

Designed specifically with a support-wire which is inserted into the auxiliary-tube of the molar band from the mesial side and bent back.



A double buccal tube is required for the use of this appliance.

Holding pin of the HYCON® Tube is inserted into auxiliary tube on your buccal tube.



HYCON® ClipOn

If a double buccal tube is not available, the HYCON® ClipOn simply clips onto the archwire.



HYCON® self-ligating locking clip is shown in open state, revealing the HYCON's slot.



Close the HYCON® ClipOn by applying pressure with the pliers.

HYCON® order info

| Item # | .018 | .022 | Sales Unit |
|--------------|------------|------------|---------------|
| HYCON Tube* | HCN-018-5 | HCN-022-5 | 5 Patient Kit |
| HYCON ClipOn | HCNC-018-5 | HCNC-022-5 | 5 Patient Kit |

*Available in .018" slot technique with a .018x.025 support wire

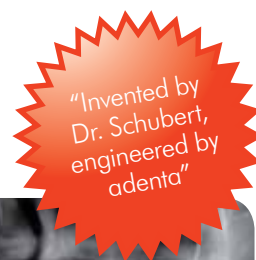
*Available in .022" slot technique with a .021x.025 support wire

EASY-WAY-COIL SYSTEM®

A Proven Technique for effective alignment of impacted incisors, canines, and premolars

- Zero inflammatory reactions recorded
- Zero loosening of bonded attachment
- Zero breakages recorded

(Clinical research conducted by Dr. Schubert, Germany)



EASY-WAY-COILSYSTEM® for lingual and buccal treatment clinically reliable, efficient, easy to use and economical system for the alignment of impacted and ectopic teeth.



tension spring which is pivot-mounted to a lingual button with a bonding base. The appliance is activated by systematically shortening the spring. It is reliable and demonstrates a constant application of force throughout the treatment procedure, including stable maximum anchorage.

Many different traction appliance options are available for the task of aligning the ectopic or impacted tooth. The forces in some of these appliances are generated by elastics. The quality of the material of elastics, elastic chains or an elastic rubber thread makes frequent replacement necessary for the purpose of re-activation. Lever designs are highly elastic and supply effective force for a relatively long period of time, but they are easily damaged, rather uncomfortable for patients, and make oral hygiene more difficult.

The EASY-WAY-COIL SYSTEM® consists of a stainless steel

Pivot-mounted button



Bonding base button



Space maintaining spring



Chosen if force direction is 90° to the bonding surface



Easy to use →



Finish quickly →



Clinically reliable →



Predictable



Inventor Dr. Michael Schubert



The **EASY-WAY-COIL** system design did not come to me overnight, in fact this design formed slowly and gradually over a period of a few years. Each time I experienced an adverse effect directly related to the design and function of a particular appliance, I started to formulate new appliance design solutions.

In my opinion the EWC system has three distinct advantages:

CONTROL

The rigid nature of this traction spring system permits controlled tooth movement in all directions of space, as long as one point of anchorage is available. Remember this anchorage does not always have to be the archwire, however I choose the arch wire repeatedly for its ease of use.

FORCES

I wanted to design a system that was simple, easily reproducible and clinically easy to perform. Cutting 3 rings of the spring equals cutting 1mm of active length, which generates a force of 0.158N. Thus the total force generated can be adjusted by clipping multiples of 3 rings.

Control of rotational torque/moment

Probably the most pronounced advantages of my system is its ability to control torque. The rigid nature of this spring produces an anti-rotational movement. Now I can move my canines in a lateral direction without unintentionally exerting a rotational movement (favorable for canines with palatal impaction). With a traction force of roughly 0.3N and the lingual button attached at a distance of 2-3mm from the cuspid's longitudinal axis, an anti-rotational torque of 0.8-0.9 Nmm is generated.

My patients have greatly profited from the EWC system with excellent treatment results and optimal comfort. I have experienced a high level of controlled tooth movement with a full understanding and control of forces needed for efficient and safe tooth movement.

Dr. Michael Schubert

EASY-WAY-COIL spring system produces a complete treatment approach for impaction producing many advantages that other systems cannot provide.

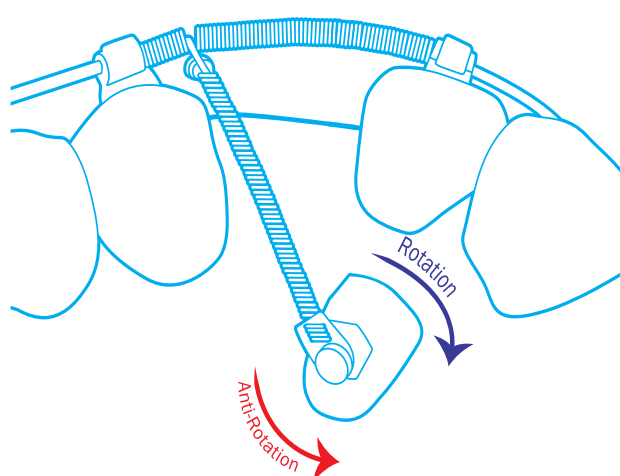
- Sturdy and stable
- Prevents undesired rotation
- Repels Mucosa and scar tissue
- Prevents inflammatory reactions
- Intermitting forces
- Long activation
- Constant precise force during activation
- Simple re-activation and variable direction
- Variable direction of traction
- Simple re-activation
- Precisely quantified amount of force
- High degree of comfort for patients
- Clinically reliable & economical
- Unilaterally or bilaterally
- Can treat both lingual and buccally impacted teeth



“Choosing the right force minimizes root damages and reduces treatment time!”

Dr. Schubert, Germany

MULTI DIRECTIONAL & ANTI ROTATIONAL



The advantages of using a stainless steel spring vs. a Niti spring can be seen clearly throughout all our clinical testing. Couple this high functioning spring with a custom designed button and you have the perfect traction appliance.

Sturdy and stable

Stainless steel springs permit accurate and sturdy formation of the eyelet, with no introduction of rotation and allows simple and easy re-activation later in treatment.

Prevents undesired rotation of spring

An experimental study confirmed that the steel spring's rigidity has an anti-rotation effect and can thus generate a counter-torque of 0.75 N mm, against the strong rotation of a palatally ectopic cuspid.

Repels Mucosa and scar tissue

Mucosa or scar tissue can grow in between the separated spiral winding of a NiTi spring, this prevents the spring from contracting, and thus making it impossible to estimate how much traction force is effectively being applied to the tooth. Activation with the steel spring is low, the “tube from” is retained and mucosa or scar tissue is easily repelled. This allows the spring to contract and slide easily with little friction.

Prevents inflammatory reactions

Since 2008 the EASY-WAY-COIL® system, no patient has suffered inflammatory reactions in the oral mucosa adjacent to the traction spring during treatment.

Intermittent forces

The EASY-WAY-COIL® is activated in small steps in 4 week intervals. As the tooth reaches the position needed for re-activation, this in turn creates an interval of tooth movement and allows recovery of the tissue in between activation steps. These intermittent forces allow permanent blood supply to all surrounding

Activation Distance = 2mm - Optimum Force = 32 cN



13.1 months after exposure

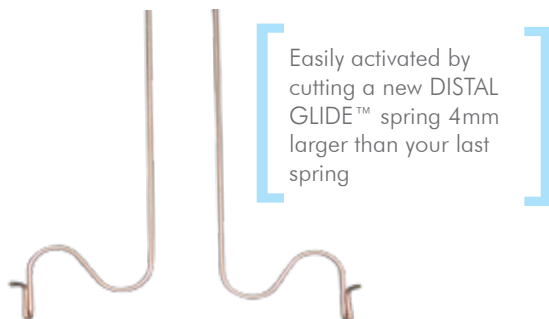
| Item | Sales Unit |
|----------|---|
| EWCS1 | 1 Patient Kit – 1 EASY-WAY-COIL spring 1 Space maintaing spring |
| EWCS5 | 5 Patient Kit – 5 EASY-WAY-COIL springs 5 Space maintaing springs |
| EWCS1-90 | 1 Patient Kit – 90° version 1 EASY-WAY-COIL spring 1 Space maintaing spring |
| EWCS5-90 | 5 Patient Kit – 90° version 5 EASY-WAY-COIL springs 5 Space maintaing springs |

The DISTAL GLIDE™ - effective distalization



- Pre-manufactured distal glide spring for consistent precision
- CNA Beta III/TM Nickel-free combines wires which offers excellent resiliency when compared to Stainless Steel
- Easy oral hygiene
- Easily removed for activation outside the patients mouth
- Full control over torque, tip and rotation
- Clear acrylic Nance-plate for better visual control of hygiene and possible infections

The DISTAL GLIDE™ (modified Pendulum) has proved to be an incredibly efficient and predictable source of non-compliant Class II correction. Our aim was to develop the simplest, easy to handle appliance that would allow the patient to maintain good oral hygiene, improve patient comfort, ease of appliance placement and activation, and obtain the most effective distalization.



Quality - adenta engineered an appliance to provide increased stability and improved overall response. The distalizing springs are of high quality Nickel-free Beta Titanium.

Pre-engineered - The distalizing springs are fabricated by machine with absolute precision. Each spring is identical to each other, and provides the practitioner with consistent forces.

Removable - To reactivate the old Pendulum appliances intraorally was cumbersome and was uncomfortable for the patient. The Distal Glide springs are inserted into tubes located inside the acrylic plate and into the lingual sheath, this provides a sturdy support, and can easily be removed for reactivation.

Hygienic - As the distalizing springs are easily removed, this provides easier access for the hygienist.

Distal Glide™ order info

| Item | Article Description |
|-------------|---|
| DP-DGP-Info | ADENTA Distal Glide Information |
| DP-DGP-PR | Distal Glide - Office Kit, 10 distalizing |
| DP-DGP-ST | Distal Glide - Starter Kit, 5 distalizing |

STARLIGHT EXPRESS™

Clear button and clear aligner abutment former with light-polymerisation in pencil-size



This small light-cure pen forms a tooth-colored button quickly and economically.

Simply fill the preformed tip with your light-curing bonding or resin material in syringes and light-cure for a button or a clear aligner abutment that is virtually invisible.

All advantages at a glance



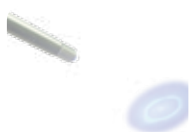
- Compact pencil size
- Light weight



- Battery powered for convenience
- Fast and easy to use



- Clear button former
- Clear aligner abutment former
- Can be also used on most standard light-curing lamps



- Fast curing time
- Economical

User Instructions



Simply push the mold on the top of the Starlight Express or on your own light curing lamp.



Fill the preformed mold with your light-curing bonding or resin material in a **syringe**.



Etch the tooth as usual.



Press the Starlight Express™ lightly on the relevant tooth and cure according to the bonding/resin material instructions.



After curing remove the Starlight Express™ carefully with a small tipping motion and reveal your tooth colored button or aligner abutment bonded and ready to use.

Starlight Express order info

| Item # | Article Description | Sales Unit |
|------------------|---|------------|
| DP-Starlight Kit | Starlight Express Starter Kit with 2 button formers | 1 Kit |
| DP-Star-Lamp | Starlight Light-Polymerisation Lamp | 1 pc |
| DP-Star-Button | Starlight Express Button Former | 2 pc |
| DP-Star Aligner | Starlight Express Aligner Abutment Fomer | 2 pc |



BAXMANN MINI TELESCOPE™

The new generation of Class II correction - comfort, strength and control with simple installation and activation

Dr. Baxmanns' Mini Telescope is designed specifically to reduce and eliminate common problems experienced during Class II correction - undesirable intrusive molar forces, undesired protrusion, lack of control, breakage issues, complicated installations and activation:

With all flexible common Class II appliances the patient can easily hold the lower jaw backwards, this problem not only deforms or breaks the appliance, but also introduces undesirable intrusive forces on the molars. The BMT™ has been designed to control the patients lower jaw movement, as this jaw can no longer be held backwards, this eliminates the undesirable intrusive forces on the molars. The orthodontist can choose two options to best suit the patients needs. A rigid appliance, or as a soft bouncing appliance - adding the spring offers a softer more comfortable treatment, and the ability to overcome the differences in asymmetric cases easily. The force applied with either option still applies a rigid force and easily controls the patients jaw movement.



The BMT™ is designed specifically to attach easily and quickly to a headgear tube or lip bumper tube. Directly attaching to the buccal tube, eliminates uncontrolled forces being transmitted to the main arch, creating undesirable protrusion. Attachment is fast and easy as this system requires no prior lab work.

Comfortable

Smooth, ultra low profile body for patient comfort - perfect for adults and children

Durable

Laser welded components can withstand the repeated rigours of Class II treatment

Easy installation

No lab work needed simply fix directly into either a lip bumper tube or headgear tube

Easy activation

Springs or distance rings are used for fast and easy activation



Lateral movement

Uniquely designed appliance allows for lateral movement of the lower jaw

Mono & bilateral

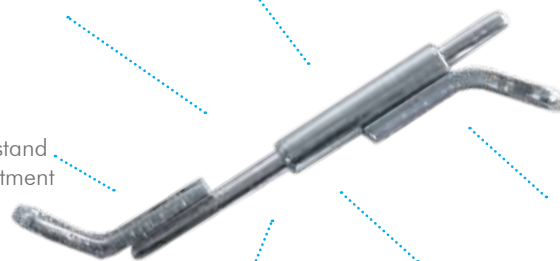
Use it on both sides or only on one side

One size

No lefts or rights - no need to stock different sizes or sides

Buccal or lingual

Can be used with buccal and lingual appliances



Prof. Dr. Martin Baxmann

Winner of our SMART INNOVATION AWARD

For outstanding innovation in the treatment of Class II correction

| Item # | Article Description | Sales Unit |
|--------|--------------------------------------|------------|
| BMT-10 | Baxmann Mini Teleskop Office Kit | 10 pcs |
| BMT-2 | Baxmann Mini Teleskop Starter Kit | 2 pcs |
| BMT-SP | Baxmann Mini Teleskop Spring 100 mm | 1 pc |
| BMT-T | Baxmann Mini Teleskop Distance Rings | 5 pcs |

FLEX DEVELOPER™

Durable and effective Class II Correction

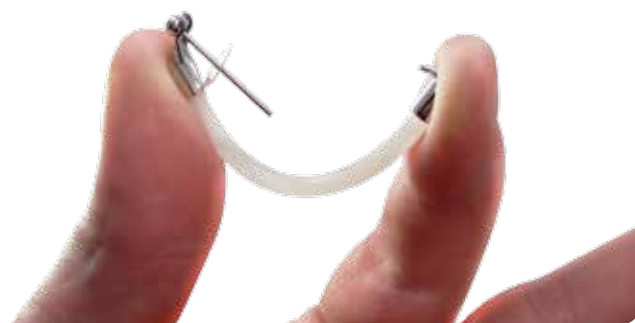
“Even after continuous use for many months there is no breakage or loss of power.”

Dr. Winsauer, Austria



- Reliable
- Highly durable and flexible
- Eliminates breakage issues
- More comfortable / slim patient profile
- No loss of power
- Easy to install
- Customize your force per patient
- Customize your length per patient
- No storing of different sizes
- Correct Class II and use it for 7 more applications

The FLEX DEVELOPER™ is designed to deliver a reliable force between mandible and maxilla. The power derives from an elastic mini rod that can be thinned to enable a range of treatment forces. The force ranges from 1,000 grams to as little as 50 grams (10 – 0,5 N) and is individually adjusted for the perfect fit for each patient. This one of a kind elastic rod is highly durable, able to withstand the rigorous forces of treatment while maintaining its power and elasticity.



2.5 mio cycles - Unbreakable and long lasting elasticity

The FLEX DEVELOPER™'s mini rod was put through an Un test (in vitro). This test was stopped after 2,5 Mio. cycles, as practically no changes in the force deliverance rate could be observed. This

equals 500 days of treatment time, if a bite rate of 5,000 cycles per day is estimated. Clinical testing proved optimal endurance and strength and has set a new benchmark for inter-maxillary force deliverance.

Length and force adaptability



The ability to customize the mini rod to your patients' needs eliminates your need to stock many different sizes and forces. Length can be customized quickly, just measure and cut. Force can be customized easily by reducing the diameter of the mini rod, producing a range of forces from 1,000 grams to as low as 50 grams.

Reducing undesired effects



In contrast to effect of Class II mechanics with elastics' where the forces increase and become more vertical with increased mouth opening (undesired), the FLEX DEVELOPER™ only produces a horizontal force just before tooth contact. The vertical force is negligible small. When the mouth is opened, it slides back passively, without force or side effect.

More comfortable and a slim patient profile

The FLEX DEVELOPER™'s mini rod offers the added benefits of streamlining this appliance, less material and increased ultra-smooth comfort of the appliance.

Applications

- Distalising upper molars (HG-like)
- Mesialising lower molars or premolars (Aplasia or after extractions)
- CI II-corrections between upper and lower dental arch
- Helping to grow the mandible forward
- Retrusion of upper incisors
- Protrusion of lower incisors
- Midline corrections (unilateral application)
- Unilateral dental CI II correction (unilateral application)
- Space closure (even single-sided) in the mandible (aplasia)

Unique features

- Reliable
- Highly durable
- Length adaptable to individual need
- Force adaptable to individual need
- Lasting elasticity
- Relockable anterior piece
- Measuring gauge for quick installation
- Can be combined with lip bumper or headgear
- Securing mini disc for pin safety
- Auxiliary bypass arch pre-bent for precise function
- Small and streamline – more comfortable
- Easy to install



FLEX DEVELOPER™ order info

| Item # | Description | Sales Unit |
|---------|--|------------|
| FDS-KIT | FLEX DEVELOPER Starter Kit 5 Patients | 1 kit |
| FDA-KIT | FLEX DEVELOPER Refill Kit 5 Patients | 1 kit |

TRUEOPTICS™ Mirror

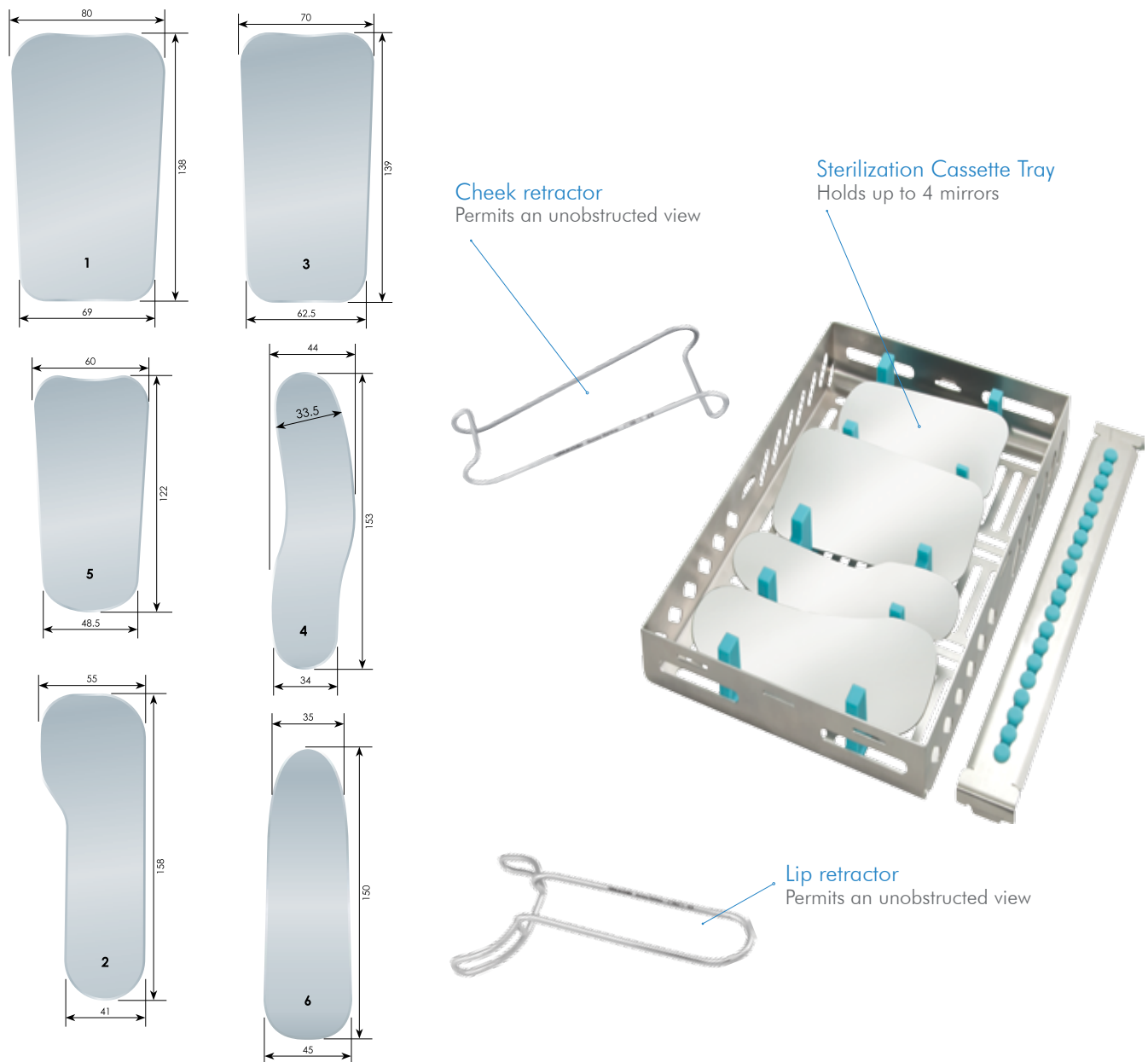


Fogged up mirrors make intraoral photography time consuming and frustrating.

The TRUEOPTICS™ handle continuously blows a light steady flow of air across the mirror, eliminating the production of fog and the built in LED lights create fast, easy brilliant optics.

Picture quality is directly dependent on the quality of the dental mirror. To achieve high quality dental photos good enough for research, teaching, marketing or presentation of cases, the mirror should reflect with exceptional exposure optics.





| Item # | Description |
|---------|--|
| CRC | Cheek retractor Columbia CRC, ca. 135mm, distances 30mm & 42mm, stainless steel |
| CRLA | Lip retractor CRLA, ca. 160mm, for upper + lower jaws, stainless steel |
| FSFDM01 | Intraoral Photo Mirror 01, Occlusal, Front Surface, for adults, Material: stainless steel |
| FSFDM02 | Intraoral Photo Mirror 02, lateral, Front Surface, for adults, Material: stainless steel |
| FSFDM03 | Intraoral Photo Mirror 03, Occlusal, Front Surface, for adults, Material: stainless steel |
| FSFDM04 | Intraoral Photo Mirror 04, lateral, Front Surface, for adults, Material: stainless steel |
| FSFDM05 | Intraoral Photo Mirror 05, occlusal, Front Surface, for children, Material: stainless steel |
| FSFDM06 | Intraoral Photo Mirror 06, lateral, Front Surface, universal, Material: stainless steel |
| FSFK43 | Photo mirror tray FSFK43 for 4 mirrors, stainless steel, 290x187x35mm, incl. Silicon rails & clothing crossbar |
| FSFK02 | Storage case for photo equipment (empty), 360x300x105mm, anodized aluminium, incl. customized foam parts, lockable |
| FSG2 | Photo Mirror handle FSG 2, 155mm, anod. Aluminium, inclination angle 0-45° universal, for mirror gauge 1.5 - 3.0mm |

Further combinations are available on request!

REFLEX COMMUNICATOR™

“Visible dangers frightens us less than the imaginary” William Shakespeare...



- Increase patient understanding
- Increase patient cooperation
- Decrease patient fear



This proven simple solution to the age old problem of communicating effectively with patients. The Reflex Communicator™ is an inconspicuous mirror attached securely to the operating light, allowing the patient to view his or her mouth directly, and observe what is happening. An excellent tool for easing fear and tension, and freeing the orthodontist to concentrate on intricate procedures. The light and mirror are positioned onto the mouth and encourages patients to stay still as this is the only position to watch. No necessity to reposition the lamp.



Ideal for:
The Reflex Communicator™ is a particularly useful accessory during intra-oral procedures involving orthodontics, oral hygiene instruction and also during consultation when description and advice is needed.

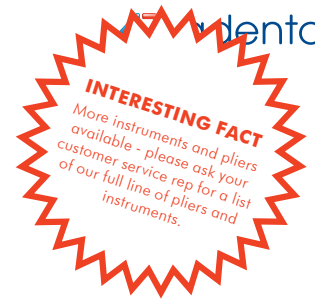
For those not interested in seeing what is happening in their mouth the orthodontist can easily deflect the mirror by simply pressing the colored buttons.



Reflex Communicator order info

| Item | Article Description |
|-------------|--|
| RFLX | REFELEX Communicator, 90 mm |
| RFLX-7000 | REFELEX Communicator, 70 mm |
| RFLX-90SIRO | REFELEX Communicator, 90 mm complete w/adapter for Siroux-Lamp |
| RFLX-70SIRO | REFELEX Communicator, 70 mm complete with Adapter for Sirolux - lamp |

The Reflex Communicator™ can be attached in the center of most lamps at the solid center.



Pliers & Instruments

High quality | German Stainless Steel

- Lifetime warranty against manufacturers defects
- 1 Year All Inclusive Warranty Covers instrument malfunction
- Ergonomic handle creates excellent balance and a sure grip
- Balanced joint assembly box joints are factory adjusted for precise long lasting tip alignment
- Sterilization - Withstands all accepted methods
- Stainless Steel inserts insure clean wire cuts every time



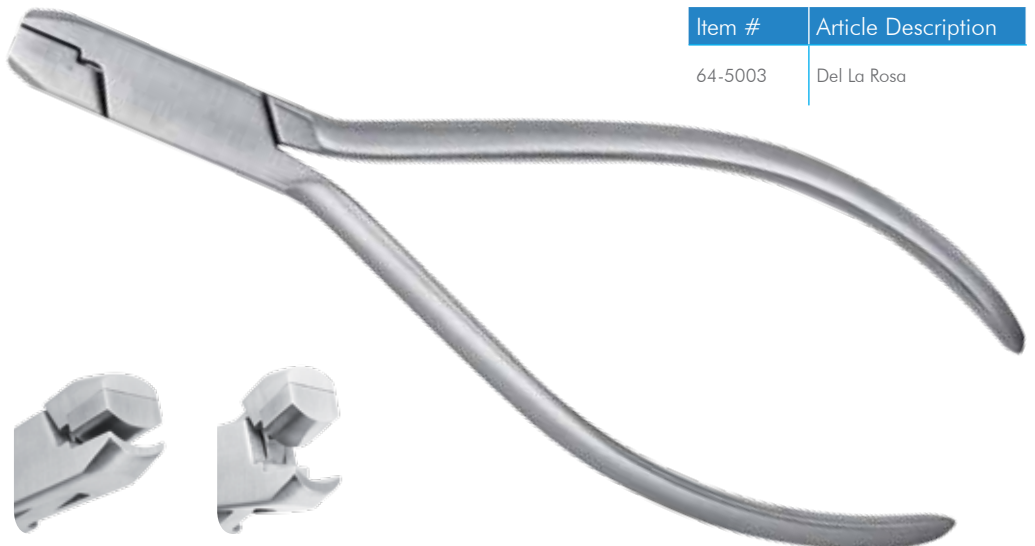
| Item # | Article Description |
|---------|---------------------|
| 64-5001 | Bird Beak w/grooves |



| Item # | Article Description |
|---------|---------------------|
| 64-3000 | Step pliers 0.5 mm |
| 64-3001 | Step pliers 0.75 mm |
| 64-3002 | Step pliers 1.00 mm |



| Item # | Article Description |
|---------|------------------------|
| 67-1002 | Bracket Remover/Angled |

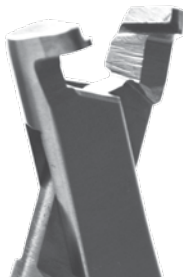


| Item # | Article Description |
|---------|---------------------|
| 64-5003 | Del La Rosa |

Pliers



| Item # | Article Description |
|---------|--|
| 67-1002 | LINGUAL Bracket Remover/Angled long handles |



| Item # | Article Description |
|---------|--|
| 67-1102 | LINGUAL Distal End Cutter with Safety Hold long handles |



| Item # | Article Description |
|---------|---|
| 67-1101 | LINGUAL Distal End Cutter / Flush Cut / Safety Hold long handles |



| Item # | Article Description |
|---------|----------------------------------|
| 67-1001 | LINGUAL Weingart long handles |



| Item # | Article Description |
|---------|-------------------------------------|
| 67-1100 | Distal EndCutter Mini / Safety Hold |



| Item # | Article Description |
|---------|---------------------------|
| 67-1000 | Weingart short handles |



| Item # | Article Description |
|---------|---------------------------|
| 64-2000 | Ligature Cutter max .014" |



| Item # | Article Description |
|---------|---------------------|
| 64-2002 | Ligature Cutter 45° |



| Item # | Article Description |
|---------|---------------------|
| 64-2005 | Hard Wire Cutter |



| Item # | Article Description |
|---------|---------------------|
| 64-5000 | 3 Prong Pliers |



| Item # | Article Description |
|---------|---------------------|
| 64-5002 | Band Remover |



| Item # | Article Description |
|---------|---------------------|
| 64-5012 | Tweet Pliers |

Instruments



| Item # | Article Description |
|---------|------------------------|
| 62-3801 | Mosquito fine-straight |



| Item # | Article Description |
|---------|----------------------|
| 62-3802 | Mosquito fine-curved |



| Item # | Article Description |
|---------|--|
| 62-3902 | Mathieu Needle Holder fine-straight |



| Item # | Article Description |
|---------|--|
| 62-3901 | Mathieu Needle Holder wide-straight |



| Item # | Article Description |
|---------|-------------------------------------|
| 62-3803 | Mosquito fine-straight with hook |



| Item # | Article Description |
|---------|-----------------------------------|
| 62-3804 | Mosquito fine-curved with hook |



| Item # | Article Description |
|---------|--------------------------------|
| 62-3900 | Mathieu fine-curved LINGUAL |

Separator



Handy, lightweight high grade stainless steel instrument provides easy access to areas that are difficult to reach. Grooved tips ensure positive hold for positioning separators effectively and safely.

| Item # | Article Description |
|---------|---------------------|
| 65-2903 | Separating Pliers |

Mershon Bandpusher



High quality, light and sturdy. Our tip is finely serrated on all sides for accurate and secure placement while banding.

| Item # | Article Description |
|---------|---------------------|
| 66-1102 | Mershon Bandpusher |

Double Ended Instruments

Ligature Director



Ligature Placer



Scaler / Bandpusher



- Large-Diameter Handle - Reduces muscle fatigue for less risk of carpal tunnel syndrome.
- Feather-Light Design - Allows for a relaxed grip which provides improved tactile sensitivity.
- Textured Grip - Better gripping and rotational control.
- Corrosion Resistant - Made with high quality stainless steel material.

| Item # | Article Description |
|---------|---------------------|
| 66-1201 | Ligature Director |
| 66-1202 | Ligature Placer |
| 66-1101 | Scaler / Bandpusher |

Tweezers

Tweezer No 1



Direct Bonding Tweezer.
The Standard

Tweezer No 2



Thin tips fit between tie wing and bracket base. Perfect tweezer for accurate posterior placement of brackets or tubes.

Tweezer No 3



Specially designed for anterior bonding, inside tips have a non-slip surface for improved grip.

Tweezer No 4



Ideal for posterior placement.

Tweezer No 6



Direct Bonding Tweezers — flat end fits in the slot for easy adjustments.

Self-ligating opening/closing Instruments

FLAIR SLT™

EVOLUTION SLT™



Tweezer No 7



Direct Bonding Tweezer - very fine tips ideal for buccal tubes and posterior segment.

| Item # | Article Description |
|------------|-----------------------------------|
| 66-1001-AD | Tweezer No 1 |
| 66-1002-AD | Tweezer No 2 |
| 66-1003-AD | Tweezer No 3 |
| 66-1004-AD | Tweezer No 4 |
| 66-1006-AD | Tweezer No 6 with flat end |
| 66-1007-AD | Tweezer No 7 |
| 68-1002 | FLAIR SLT™ Opening Instrument |
| 68-1003 | EVOLUTION SLT™ Opening Instrument |



Headgear Products

Inspired by the color our kids love and patient compliance you will love.

Highpull - Neck Pads - Safety Modules - Chin Cups - Facebows



High functioning headgear

- High quality
- Precise fit
- Strong
- Comfortable
- Fun and fashionable-colors

The adenta headgear provides the comfort desired by the patient, this in turn encourages longer wear time. The extra heavy-duty material and construction provides you with the dependability and quality to help you reach your treatment goals.

Highpull Headgear - Largest selection of colors available on the market... go on, have some fun choosing your favorite colors



Pink/Purple
Item# KKS-P/L



Black/Red
Item# KKS-S/R



Red/Blue
Item# KKS-R/HB



Black/Purple
Item# KKS-S/L



Purple
Item# KKS-L



Neon Green
Item# KKS-NGR



Blue/Red
Item# KKS-HB/R



Pink
Item# KKS-P



Royal Blue
Item# KKS-HB



Neon Yellow/Black
Item# KKS-S/NGE/S



Red/Black
Item# KKS-R/S



Black
Item# KKS-S



Royal Blue / Yellow
Item# KKS/HB/GE



Red
Item# KKS-R



Neon Green/Black
Item# KS-S/NGR/S



Purple/Black
Item# KKS-L/S

Complete list of available colors and order info

| Item # | Color |
|---------|-------------|
| KKS-DB | navy blue |
| KKS-L | purple |
| KKS-HB | royal blue |
| KKS-NGE | neon yellow |
| KKS-NGR | neon green |
| KKS-J | jeans |
| KKS-S | black |
| KKS-P | pink |

| Item # | Color |
|-------------|-------------------------|
| KKS-R | red |
| KKSL-DB | extra large, royal blue |
| KKS-DB/R | navy blue-red |
| KKS-S/L | black-purple |
| KKS-S/NGE/S | black-neon yellow-black |
| KKS-HB/GE | royal blue-yellow |
| KKS-S/NGR/S | black-neon green-black |

| Item # | Color |
|----------|----------------|
| KKS-L/S | purple-black |
| KKS-P/L | pink-purple |
| KKS-S/R | black/red |
| KKS-R/DB | red-navy blue |
| KKS-R/HB | red-royal blue |
| KKS-HB/R | royal blue-red |
| KKS-R/S | red-black |

| Item # | Color |
|---------|---------------------|
| KKS4-DB | 2 looped, navy blue |

Two Looped Highpull



SUPER SOFTIES - Neck Pads

Lightweight and washable with extra soft padding for longer wear and comfort



Red
Item# MC-NSP/RRR



Navy Blue
Item# MC-NSP/DB



Royal Blue
Item# MC-NSP/BBB



Pink/Black/Yellow
Item# MC-NSP/SPG



Jeans/Neon Green
Item# MC-NSP/JNG



Jeans/Blue
Item# MC-NSP/JBB



Jeans/Pink
Item# MC-NSP/DJP



Black
Item# MC-NSP/SSS

Complete list of available colors and order info

| Item # | Color |
|-------------|--------------------------------|
| MC-NSP/RRR | red red red |
| MC-NSP/SSS | black |
| MC-NSP/DB | navy blue |
| MC-NSP/DB/L | navy blue - with loops 4 loops |
| MC-NSP/JBB | jeans royal blue royal blue |
| MC-NSP/DJP | navy blue jeans pink |
| MC-NSP/FS | mixed colours |

| Item # | Color |
|------------|----------------------------------|
| MC-NSP/JGR | jeans yellow red |
| MC-NSP/JNG | jeans neon green |
| MC-NSP/BBB | royal blue royal blue royal blue |
| MC-NSP/SGG | black green yellow |
| MC-NSP/SLG | black purple yellow |
| MC-NSP/SPG | pink black yellow |
| MC-NSP/SRS | black red black yellow |
| MC-NSP/S | black |



FLAT Neck Pads - No fill 180mm & 220mm for a perfect fit



Pink - 180mm



Royal Blue - 180mm



Jeans - 180mm



Black - 180mm



Navy Blue - 180mm



Navy Blue 220mm long



Navy Blue Two Looped

Complete list of available colors and order info

| Item # | Color |
|---------|------------------------|
| NSP/P | pink - 180mm |
| NSP/B | royal blue - 180mm |
| NSP/J | jeans - 180mm |
| NSP/S | black - 180mm |
| NSP/DB | navy blue - 180mm |
| NSPL/DB | navy blue - 220mm |
| NSP4/DB | navy blue - two looped |



SOFTIES - Neck Pads - Double looped medium filled



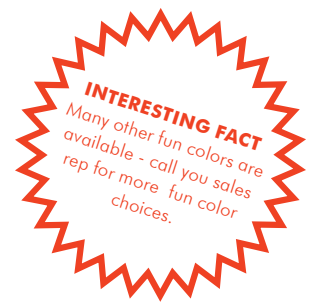
Red



Mint



Navy Blue



Complete list of available colors and order info

| Item # | Color |
|---------|-----------|
| NSPS/P | pink |
| NSPS/M | mint |
| NSPS/DB | navy blue |
| NSPS/R | red |
| NSPS/S | black |



Safety Modules - Three force ranges provides dependable retraction



Superior strength and durability

- Engineered for optimal patient comfort.
- Extra smooth plastic.
- Metal clip customizes adjustments for better control of release force.
- Tear-proof strap offers oval holes for easier attachment of facebow.

| Item # | 450 grams |
|--------|-----------|
| SM-B-L | blue |
| SM-S-L | black |
| SM-W-L | white |

| Item # | 600 grams |
|---------|-----------|
| SM-B-M | blue |
| SM-S-M | black |
| SM-W-M | white |
| SM-GE-M | yellow |
| SM-GR-M | green |
| SM-P-M | pink |

| Item # | 750 grams |
|--------|-----------|
| SM-B-S | blue |
| SM-S-S | black |
| SM-W-S | white |

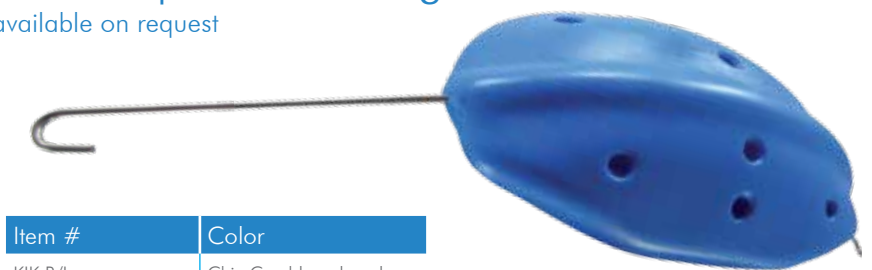
Chin Cups - Built in ventilation system allows the patients skin to breath



| Item # | Color |
|--------|-----------------|
| KIK-FS | Chin Cup mixed |
| KIK-B | Chin Cup Blue |
| KIK-GE | Chin Cup yellow |
| KIK-GR | Chin Cup green |
| KIK-O | Chin Cup orange |
| KIK-P | Chin Cup pink |
| KIK-R | Chin Cup red |
| KIK-W | Chin Cup white |

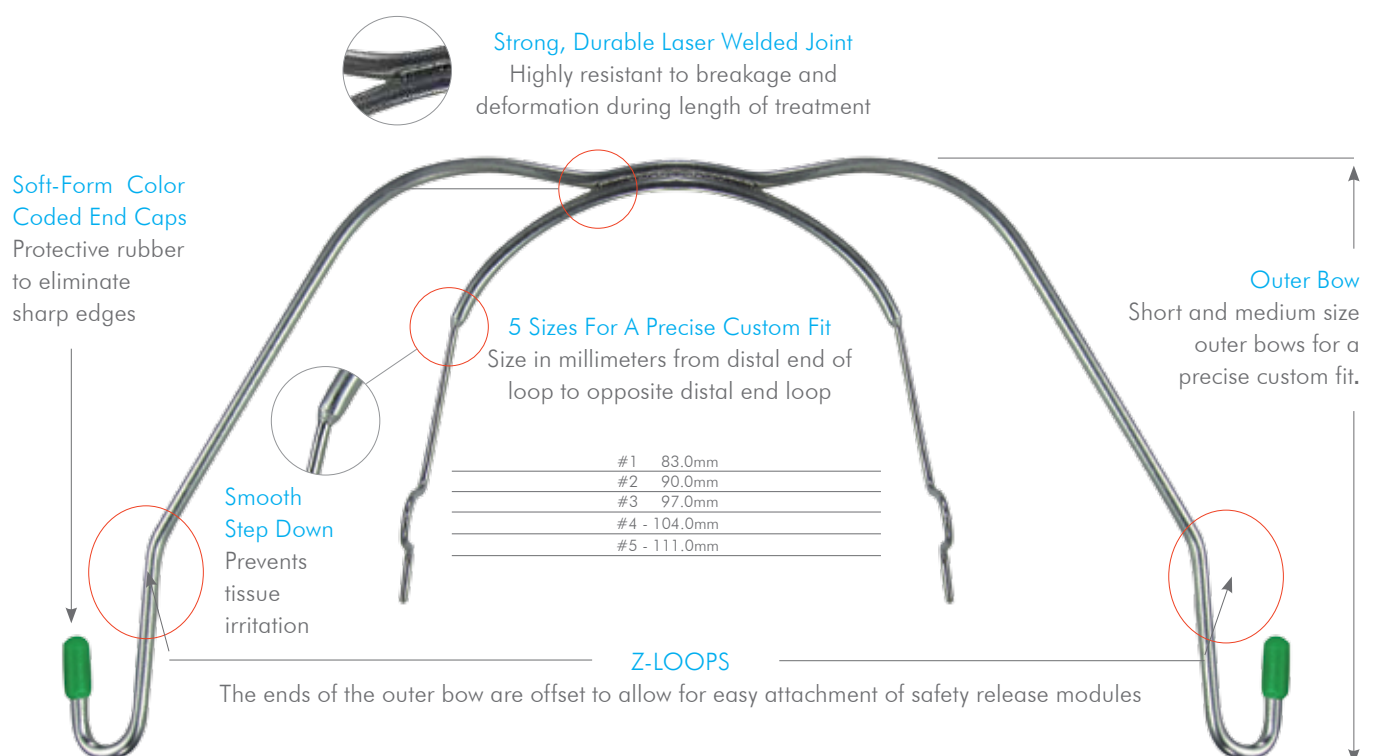
5 pcs per pack

Chin Cups - extra long available on request



| Item # | Color |
|---------|----------------------------|
| KIK-B/L | Chin Cup blue - long legs |
| KIK-W/L | Chin Cup white - long legs |

Facebows - Crafted by superior craftsmen



Facebow Prelooped - Multi size options for an optimum fit

Created by superior craftsmen, all adenta's face bows feature a laser welded connection for strength and durability, helping to resist breakage and providing your patients with an attractive joint. Reinforced tubing is used to add to the strength, and all wires are pre-cut, deburred, and covered with a rubber cap to reduce the chance of the facebow getting hooked. The outer bow has been specifically designed to avoid the frontal cheek area.

How to order the perfect face bow for your needs - Prelooped Face Bow options

Many variations of facebows are available, to determine which size fits your specific needs simply follow our ordering guide below.

1. Determine what size **outer bow** you require for your patient -



Short

Medium

2. Determine what **size inner bow** you require for your patient

inner arch length measurement is from distal end of the loop along the inner arch to opposite side distal end of loop



83.0mm / Yellow

90.0mm / Red Tips

97.0mm / Pink Tips

104.0mm / Blue Tips

111.0mm / Green Tips

3. Determine what **width of inner bow** you require for your patient



Narrow Inner Bow Width

Wide Inner Bow Width

In order to facilitate your ordering process, you can customize your Face Bow and create your 6-digit item number by combining the following digits:

EXAMPLE:

422-113 (4) Face Bow (2) short (2) Standard -
(1) Wide (1) without offset (3) 97 mm (pink cap)

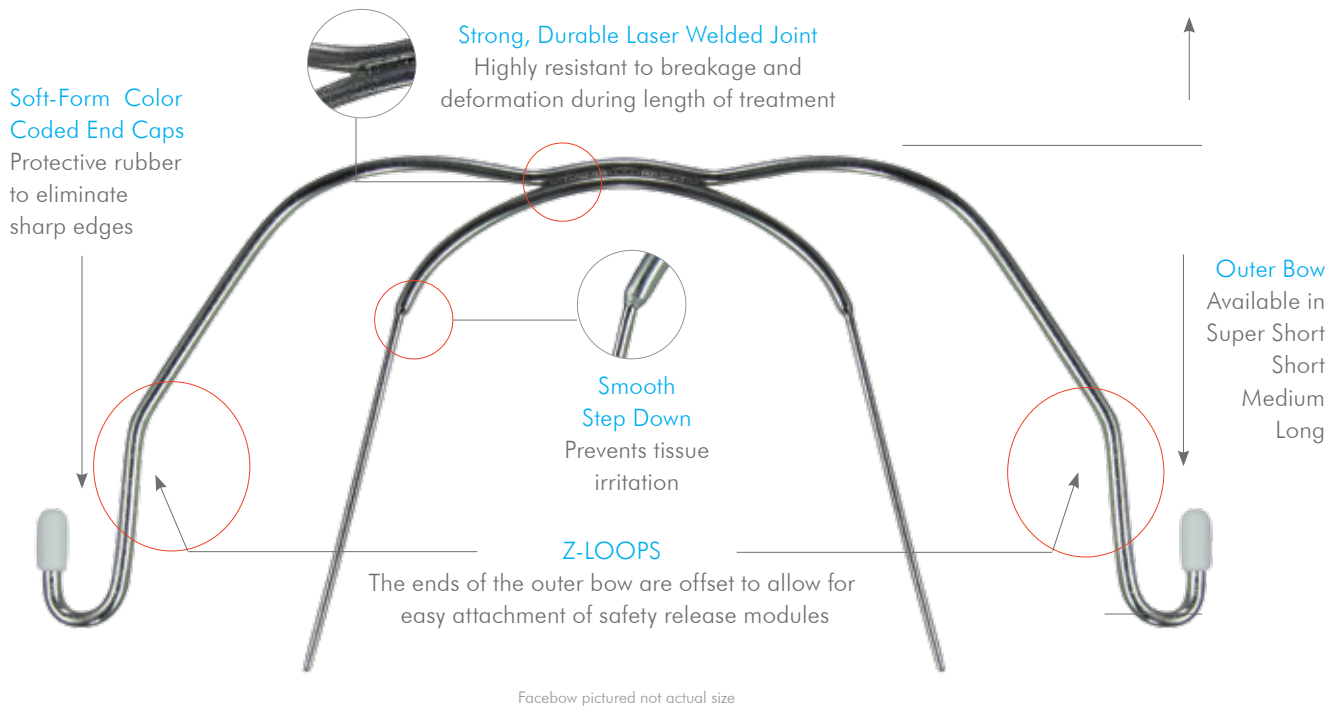
Prelooped Facebow - OUTER BOW configuration

| First digit = 4 | Second digit = OUTER BOW length | Third digit = offset hooks |
|-----------------|---------------------------------|----------------------------|
| 4 = Face Bow | 1 = supershort | 1 = with Z-LOOP |
| | 2 = short | 2 = straight |
| | 3 = medium | |
| | 4 = large | |

Prelooped Facebow - INNER BOW configuration

| Fourth digit = INNER BOW width | Fifth digit = INNER BOW length | Sixth digit = Pre-looped |
|--------------------------------|--------------------------------|--------------------------|
| 1 = wide | 1 = without offset | 1 = 83 mm (yellow cap) |
| 2 = narrow | 2 = with offset | 2 = 90 mm (red cap) |
| | | 3 = 97 mm (pink cap) |
| | | 4 = 104 mm (blue cap) |
| | | 5 = 111 mm (green cap) |
| | | 6 = 118 mm (white cap) |

Face Bow Standard Form



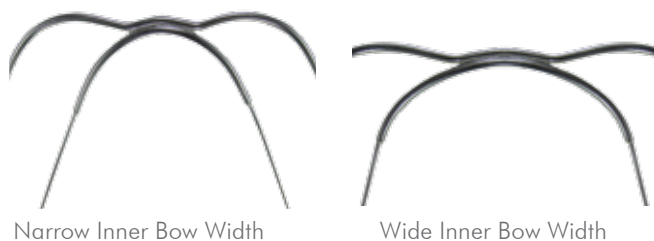
How to order the perfect face bow for your needs - **Standard Face Bow options**

Many variations of face bows are available; to determine which size fits your specific needs simply follow our ordering guide below.

1. Determine what **size outer bow** you require for your patient -



2. Determine what **width of inner bow** you require for your patient -



In order to facilitate your ordering process, you can customize your Face Bow and create your 6-digit item number by combining the following digits:

EXAMPLE:
422-210 (4) Face Bow (2) Super Short (2) Standard -
(2) Narrow (2) without offset (0) 40mm Standard

Standard Facebow - OUTER BOW configuration

| First digit = 4 | Second digit = OUTER BOW length | Third digit = offset hooks |
|-----------------|---------------------------------|----------------------------|
| 4 = Face Bow | 2 = short | 1 = offset hooks |
| | 3 = medium | 2 = Standard |
| | 4 = long | |





Standard Facebow - INNER BOW configuration

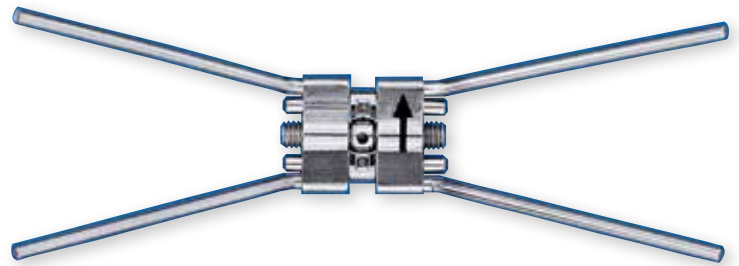
| Fourth digit = INNER BOW width | Fifth digit = INNER BOW length | Sixth digit = Standard/No Loop |
|--------------------------------|--------------------------------|--------------------------------|
| 1 = wide | 1 = without offset | 0 = 40 mm |

Rapid Palatal Expander

High quality RPE screws made in Germany from surgical stainless steel. The arms are pre-bent with symmetrical anatomical angulation.

Expansion capacity and direction arrow are laser engraved on the expander body for simply and easy use.

| | Expansion | 1 Turn | 1/4 Turn |
|---|---|---|---|
|  |  |  |  |
| Item # | | | |
| LW-10 | 5 mm | 0,9 mm | 0,225 mm |
| LW-13 | 9 mm | 0,9 mm | 0,225 mm |
| LW-15 | 11 mm | 0,9 mm | 0,225 mm |
| LW-176 | 13 mm | 0,9 mm | 0,225 mm |
| LW-22 | 18 mm | 0,9 mm | 0,225 mm |



Palatal Bar

Preformed in 12 different sizes with a distal coffin loop.

| Item # | Size | Item # | Size | Item # | Size |
|--------|------|---------|------|---------|------|
| PB-034 | 34mm | PB-045 | 45mm | PB-055U | 55mm |
| PB-037 | 37mm | PB-047 | 47mm | PB-057U | 57mm |
| PB-039 | 39mm | PB-049 | 49mm | | |
| PB-041 | 41mm | PB-051U | 51mm | | |
| PB-043 | 43mm | PB-053U | 53mm | | |

Sold in packs of 10 pcs.



Quad & Bi Helix

Permits greater flexibility and control during treatment. Available in various preformed sizes with straight or curved retentions sheaths.

QUAD-HELIX

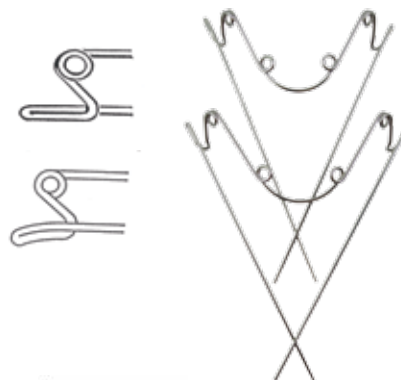
| Item # | Upper | Sheath | Size |
|-----------|-------|----------|------|
| HQ-2431-G | Upper | Straight | 1 |
| HQ-2432-G | Upper | Straight | 2 |
| HQ-2433-G | Upper | Straight | 3 |
| HQ-2431 | Upper | Curved | 1 |
| HQ-2432 | Upper | Curved | 2 |
| HQ-2433 | Upper | Curved | 3 |

Sold in packs of 5 and 10 pcs.
Please indicate when ordering.

BI-HELIX

| Item # | Upper | Sheath | Size |
|---------|-------|--------|------|
| HB-2451 | Lower | Curved | 1 |
| HB-2452 | Lower | Curved | 2 |
| HB-2453 | Lower | Curved | 3 |

Sold in packs of 10 pcs.



Vertical Pull



- Vertical correction
- Intrude molars
- More than 500 grams of closing force
- Comfortable
- Ring shipped pad distributes pressure on chin area
- High quality material

"After doing some extensive research, I found adenta's Vertical Pull Headgear to be the most comfortable, best quality vertical pull chin cup in the orthodontic market. We've had very good co-operation from our patient and therefore excellent treatment results."

Marth Mejia-Maidl D.D,S, MS

"The Vertical pull with chin cup is an easy adjunct to help control vertical dimension. The headgear is designed to be placed efficiently and tolerated well by the patients. adenta is an easy and knowledgeable company with which to work." Dr. Harvey, Moorehead MN.

Absolute Vertical



The Vertical Pull Headgear with Chin Cup has been designed specifically to correct vertical and a wide range of facial myofunctional problems, such as open bites. As soon as the therapy begins, the Vertical Pull Headgear with Chin Cup holds the mouth closed continuously, reducing interdental habits and tongue protrusion. In addition,

the intrusive force on the molars is increased. This appliance can quickly change a mouth breathing habit to nose breathing.

Intrude Molars

The Vertical Pull Headgear also supports the intrusion of the molars. An intrusion of 1 mm in the molar region causes a closing of the frontal open bite by 2 mm. In this case, the Vertical Pull Headgear with Chin Cup provides excellent support with any

treatment and helps removable or non-removable appliances perform to their peak.

Increased patient co-operation

The Vertical Chin Cup is comfortable enough to be worn all day long. It can be washed as needed. In combination with the perfect fit of the headgear, it can produce more than 500 grams of closing force. The arms of the chin cup have been designed to avoid compression of the cheek area, and for optimum comfort, a cotton pad is provided. This ring-shaped cotton pad distributes pressure onto a surface five times larger than the regular pressure zone at the point of the chin. The so-created climatic zone and perforations in the chin cup keep the skin dry and prevent uncomfortable side effects, such as skin itching and bacterial infections.

Clinical Case



Sebastian H, 13 years: circular open bite 55-65, chronic tongue. Six months vertical High-pull bite planes, incisor spikes. Total treatment time including fixed devices, 22 months. During this time we never needed to use vertical intraoral elastics.

Vertical Pull Headgear order info

| Item | Article Description | Sales Unit |
|-----------|--|------------|
| KIK-SET/L | Vertical Pull Headgear + Chin Cup – Large | 1 Kit |
| KIK-SET/M | Vertical Pull Headgear + Chin Cup – Medium | 1 kit |
| KIK-SET/S | Vertical Pull Headgear + Chin Cup – Small | 1 kit |



Website

Global: www.adenta.com

Germany: www.adenta.de

Spain: www.adentaspain.com

USA: www.adentausa.com

Welcome to adenta

Inspired by orthodontist...engineered by adenta





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