

Perfect Smiles In Shorter time

Epsilon Non- Ligating Bracket system brings you:

- Lesser dentist visits
- Reduced chair side time by 30%
- Lesser patient discomfort



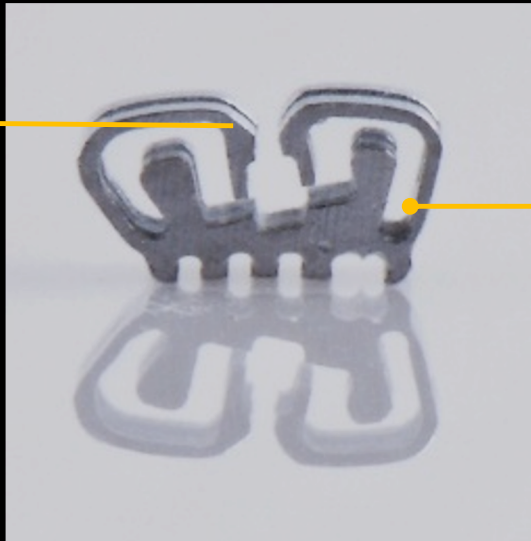
World's 1st Epsilon Non- Ligating Bracket

Epsilon Non-Ligating Bracket (NLB) is a new orthodontic device with a revolutionary design. It is a one piece Roth-Type bracket utilising a highly flexible arch wall engagement system, thereby securing the arch wire without the need to engage/disengage metal clips or affix elastomeric devices, making this innovation truly one of its kind and the 1st non-ligating bracket system in the world.

Highly Flexible Arch Wall Engagement System

Easy access; No special tool required, bracket wall flex upon wire insertion

No Elastic Modules Required



Special Titanium Alloy

Exceptional memory properties during entire treatment

Low Height Profile

Greater patient comfort

Unique Novel Design

Benefits of NLB System

- No elastomeric needed - reduced bacterial plague and no spontaneous dislodgement
- Bi-monthly instead of monthly maintenance visits
- Shorter treatment time
- More even torque & correctional force
- Up to 50% reduction in Chair time
- Lesser pain for patients due to gentler and consistent forces.

The dynamic interaction between the ligating mechanism and the archwire enables precise degree of control needed for each phase of treatment.



Top Profile

Unique Novel Design. Start with .016 archwire to slide freely, minimizing archwire engagement and reducing friction facilitating efficient leveling and alignment.



Side Profile

Lower bracket height profile ensures patient comfort. Square or rectangular archwires fill the slot and adds control during the working phase for space closure, rotation control and arch form expression.



Base Profile

Mechanical base undercut design ensures superior bonding

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Prescriptions Information:

Epsilon Non-Ligating Bracket System is currently available in Roth .022 prescription.

	Central		Lateral		Cuspid		1 st Bicuspid		2 nd Bicuspid	
	Torq.	Ang.	Torq.	Ang.	Torq.	Ang.	Torq.	Ang.	Torq.	Ang.
MAXILLARY										
Roth	13	5	9	8	-2	9	-7	0	-7	0
MANDIBULAR										
Roth	0	0	0	0	-10	5	-17	0	-17	0

Specifications:

Bracket Type	Non-Ligating System
Prescriptions available	Roth
Type of base	One piece; Mechanical Base; laser technology
Slot size	.022
Part Number	9026-120

Epsilon Non- Ligating Bracket

Key Features

- Revolutionary in design
- Lower bracket profile
- Highly flexible archwire walls system
- Special Titanium alloy
- Allows quick insertion and removal of archwires
- No special pliers needed
- No elastomeric modules needed

What are the advantages to Orthodontists?

- What is the innovative feature of the NLB System?

All traditional and Self-ligating bracket systems utilize a rigid bracket archwire slot. When an archwire is inserted, the force from the archwire is directly and completely transferred to the tooth through the bracket. If the force is excessive, the tooth will be subjected to unwanted pain and movement will be negatively affected.

In Innobrace's NLB system, if an excessive force is applied by the archwire, the archwire slot walls will flex to moderate the force that is directly transmitted to the tooth. The force level is reduced and spread out over a longer period of time to ensure that the force on the tooth is always gentle and continuous. In clinical situations, this means that the clinician can progress to rectangular wires earlier in the treatment. The movement of teeth on the archwire can still be done with a 3-dimensional control even if not all the teeth are aligned.

- Is the insertion and removal of archwires faster?

Undoubtly the insertion and removal of archwires can be performed more expeditiously with the NLB system. When inserting and removing rectangular archwires, a rocking movement will ease the archwire into and out of the brackets in an instant.

Epsilon Non- Ligating Bracket

- Is there a need for special pliers?

There is no need to use special pliers for removal. Chair side time is significantly reduced when using the NLB system.

- Does the NLB system come with hooks on canines and premolars?

No. It is not necessary because the wings of the brackets can be used to attach power chains and elastics. Elastomeric modules can also be used if required and in instances where rotational control is important.

- Are there any recommended archwire sequence?

NLB is designed to help orthodontists to speed up the progression of archwire thickness and stiffness without compromising on patient comfort.

Orthodontists are able to continue to use the same archwires that they are used to. However, the first alignment archwire is recommended to be no smaller than 0.016" Nickel Titanium wire because the opening of the slot in the Roth 0.022" system is 0.015"

For more information on Epsilon Non-ligating system, please visit our website at: www.innobrace.com or email: marketing@innobrace.com

The Science & Technology behind Innobrace's Non-Ligating Bracket System



Innobrace's Epsilon Non-Ligating bracket uses a special titanium alloy which allows the archwire to flex the walls of the bracket – which in turn acts as a spring to absorb a portion of the reaction force. The ultimate outcome is that of a more uniform level of pressure, and less negative forces acting on the tooth, thus accelerating the movement of teeth into the desired positions.

The same flexible entry and exit point that is pivotal to the success of the Epsilon NLB not only eliminates moving parts, it also makes it measurably easier for the orthodontic professional to install or update the archwire.

During patient treatments, archwires can be updated in around 15minutes as compared to the usual 25minutes or more needed per visit for elastomeric updates. In addition, the Epsilon NLB system eliminates the possibility of spontaneous dislodgement of the elastomeric modules (or of unravelling, if metal ligatures are in use)

By eliminating the need for elastomerics, the Epsilon NLB does away with all the negative attributes associated with conventional and Self-ligating brackets, including force degradation and attraction of bacterial plaque.

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The Science & Technology behind Innobrace's Non-Ligating Bracket System



Epsilon NLB system enables lesser number of “maintenance visits” required from monthly to bi-monthly. For busy patients, this presents a significant advantage and time saving.

Innobrace has also designed both the lower first and second premolar brackets to now have 17° of lingual crown, reducing the tendency of second premolars to tilt lingually during treatment.

In terms of patient reassurance and confidence, the special titanium alloy used to manufacture Epsilon NLB is nickel-free, completely inert and bio-compatible. In addition, Epsilon NLB is designed with a measurably lower height profile compared to the conventional and self-ligating metal brackets. Brackets are designed to be smaller in size and have a flexible entry & exit point for archwires.

The lower height profile of the Epsilon NLB is less protruding, and the rounded contours are smoothed thus reducing the discomfort felt during orthodontic treatment, thus improving the comfort of patients. Bracket base is designed with undercut channels and micro-etching, providing strong mechanical bonding strength using normal dental adhesives.

Epsilon Non-ligating system can be installed using standard installation procedures.

Innobrace Epsilon NLB system has shown to complete patient cases in a shorter time duration compared to conventional bracket systems. **

***Disclaimer: Studies based on patient cases treated using NLB since 2015 (Source: Innobrace patient case files)*

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