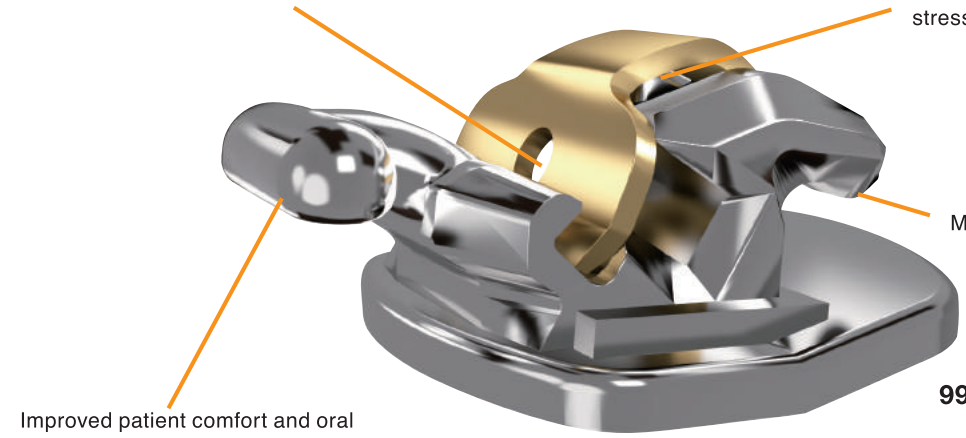

TOMY
INTERNATIONAL INC.

TOMY ORTHODONTIC PRODUCTS 2020

CLIPPY-L 2ND GENERATION

Lingual Self-Ligating Brackets



9910-11H & 9910-51H

	Torque, Degrees	Width, mm	Left/ Right	.018"Slot
Upper Centrals, Laterals & Cuspids 3 2 1 | 1 2 3	60°	2.2	L&R	w/Hook **9910-11H** **9910-11**
Lower Anteriors & Cuspids 3 2 1 | 1 2 3	50°	2.2	L&R	w/Hook **9910-51H** **9910-51**

5 ea /PK

Clippy-L with Sheath
W991-6050

	Torque, Degrees	Width, mm	Left/ Right	.018"Slot
Upper 1st Molars 6 | 6	10°	3.8	L&R	**W991-6050**

5 ea /PK

CLIPPY-C 2G

Newly Launched

CLIPPY-C 2G

CLIPPY-C 2ND GENERATION

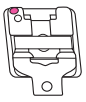
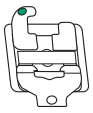
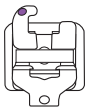
Formula-M

Rhodium coated

Rh-coated clip enhances aesthetics

Translucent alumina body

Nearly invisible from a few meters away

Maxillary Arch		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals 1 | 1		17°	4°	0°	3.2	L R	1675-101L 1675-101R	1675-102L 1675-102R
Upper Laterals 2 | 2		10°	8°	0°	3.0	L R	1675-201L 1675-201R	1675-202L 1675-202R
Upper Cuspids 3 | 3		-7°	8°	0°	3.2	L R	w/Hook 1675-301L 1675-301R	1675-302L 1675-302R
		0°	8°	0°	3.2	L R	w/Hook 1675-305L 1675-305R	1675-306L 1675-306R
Upper Bicuspids 5 4 | 4 5		-7°	0°	0°	3.2	L R	w/Hook 1675-401L 1675-401R	1675-402L 1675-402R

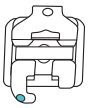
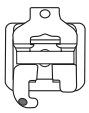
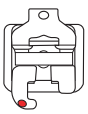
10 ea /PK

The world's smallest Active Self Ligating Ceramic Bracket

CLIPPY-C ***CLIPPY-C 2G***

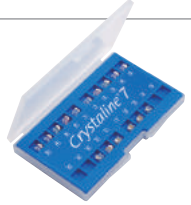
Downsized body

Not only the bracket body but also miniaturized base width

Mandibular Arch		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors $\frac{21\,|\,12}{}$		-6°	0°	0°	2.8	L&R	1675-1110	1675-1120
		0°	0°	0°	2.8	L&R	1675-1130	1675-1140
Lower Cuspids $\frac{3\,|\,3}{}$		-6°	3°	0°	3.2	L	w/Hook 1675-311L	1675-312L
						R	1675-311R	1675-312R
		0°	3°	0°	3.2	L	w/Hook 1675-315L	1675-316L
						R	1675-315R	1675-316R
Lower 1st Bicuspids $\frac{4\,|\,4}{}$		-12°	0°	0°	3.2	L	w/Hook 1675-411L	1675-412L
						R	1675-411R	1675-412R
Lower 2nd Bicuspids $\frac{5\,|\,5}{}$		-17°	2°	0°	3.2	L	w/Hook 1675-511L	1675-512L
						R	1675-511R	1675-512R

10 ea /PK

One Patient Kit

$\frac{3\sim3}{3\sim3}$	Lower Anterior w/Torque(1675-1110, 1120) Up & Lo.cuspid w/o Torque(305L/R,315L/R, 306L/R,316L/R)	w/Hook 1675-13H	1675-14H
		12 ea /KIT	
$\frac{5\sim5}{3\sim3}$ 	Lower Anterior w/Torque(1675-1110, 1120) Up & Lo.cuspid w/Torque(301L/R,311L/R, 302L/R,312L/R)	w/Hook 1675-05H	1675-06H
		16 ea /KIT	
	Lower Anterior w/Torque(1675-1110, 1120) Up & Lo.cuspid w/o Torque(305L/R,315L/R, 306L/R,316L/R)	w/Hook 1675-17H	1675-18H
		16 ea /KIT	
$\frac{5\sim5}{5\sim5}$	Lower Anterior w/Torque(1675-1110, 1120) Up & Lo.cuspid w/o Torque(305L/R,315L/R, 306L/R,316L/R) *Note: 1675-005HA, 006HA Have hooks on all the brackets for cuspid and bicuspid.	w/Hook 1675-005HA	1675-006HA
		20 ea /KIT	

CLIPPY

For exceptional ease of use and enhanced beauty TOMY Self-Ligating bracket,"CLIPPY"

Realization of orthodontic treatment with enhanced beauty

CLIPPY comes in two types that realize orthodontic treatment with enhanced beauty:a small metal bracket with an impression of simplicity and a ceramic bracket with appealing translucency.

Flexible control of tooth movement

CLIPPY's distinguishing quality is that appropriate wire and bracket engagement levels can be chosen according to treatment stages. A flexible control of tooth movement results in enhanced effect in shorter time and reduced patient burden.

Easy and smooth wire exchange

Use of interactive clip that can be easily opened/closed makes wire exchange easy and smooth. The other advantages include easy oral hygiene care and reduced medical waste, thanks to ligation without the need of a ligature wire or module.

Enriched mechanism

CLIPPY uses mechanism that fully utilizes TOMY's technology, such as a mechanical lock base* that does not require a particular adhesive, and a rhodium-coated clip* that can be opened and closed from the front as well as the gingival side.

*Used in CLIPPY-C

Characteristics of CLIPPY

for CLIPPY-C mini CLIPPY

As a standard for evaluating the treatment result of the straight wire technique, Dr.Andrews' Six Keys to Optimal Occlusion have been proposed. To achieve the six keys, it is considered necessary to impose some degree of force in adjustment such as spacing, angulation, inclination, and rotation control. This has been made possible by CLIPPY, a self-ligating bracket series.
By exchanging wires, orthodontic force and control can be selected according to needs, from the initial to final stage of treatment, which achieves results similar to those of conventional treatment by ligation.

Enabling treatment according to three stages

for CLIPPY-C mini CLIPPY

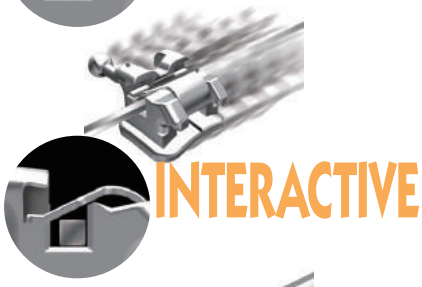
CLIPPY is classified into three stages: passive, interactive, and active, regarding wire and bracket engagement levels. Appropriate treatment can be conducted by choosing stage according to respective levels, from the initial stage to the final stage of treatment.

Passive stage

The round wire freely slides, exerting a full wire performance. Tooth leveling and alignment can be achieved with lighter orthodontic force.

Interactive stage

Because the square wire sits in the slot without touching the clip, a certain level of torque and rotation control is made possible.
Teeth can be moved smoothly. It is the optimal stage for retraction of anterior teeth.



Active stage

Complete engagement of the rectangular wire with a clip enables sufficient active control.
The bracket's prescription is fully expressed.

Archwire Sizes

	PASSIVE	INTERACTIVE	ACTIVE
.018" Slot	.014 .016 .016 x 016	.018 x .018	.016 x .022 .017 x .025 .018 x .025
.022" Slot	.016 .018 .018 x .018	.020 x .020	.018 x .025 .019 x .025 .021 x .028

CLIPPY-C

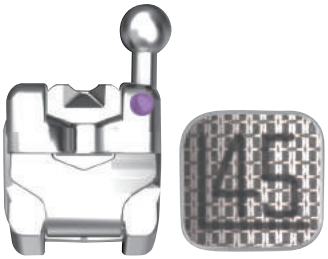
The featured rhodium-coated clip enhances aesthetics and with has excellent durability. This coating does not wear out by due to brushing or get discolored with food pigments due to food throughout the entire treatment period.
Furthermore, its original clip shape enables opening and closing from the front of the bracket, making wire exchange simple and easy.

Mechanical Lock Base
The rivet lock base can be used with any bonding adhesive.

The bracket surface is smooth and precise, thanks to the CIM (ceramic injection molding) production method. By using HIP (hot isostatic pressed)alumina, strength of the bracket has been enhanced.

In addition, its aesthetic quality has been further improved through the use of WHITE WIRES.

mini CLIPPY



Site identification is easy
ID color marking and base-surface laser marking made site identification easier than ever.

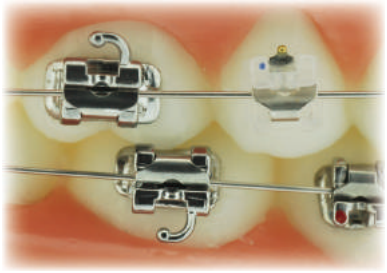
mini CLIPPY has various merits due to its original structure and ease-of-use.

- Widened inter-bracket span enables easy wire insertion even for severely misaligned teeth.
- Aesthetic needs are met.
- Discomfort during wearing is reduced.

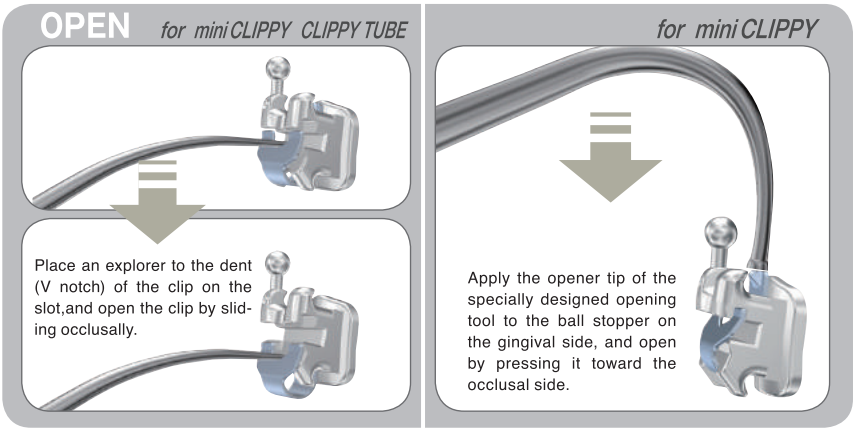
The interactive clip of cobalt chrome alloy covers the entire slot that seats the arch wire.
Furthermore, this original clip shape enables opening and closing from the front of the bracket, making wire exchange simple and easy.

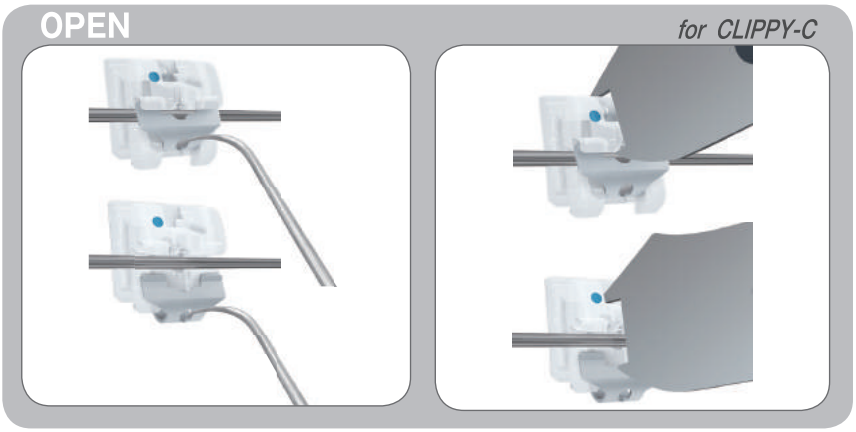
CLIPPY TUBES

Clippy-Tubes feature a clip function that is based on the clip function used in the Clippy series, but developed for the first molars.
As with other products in the Clippy series, wire replacement is simple and easy.

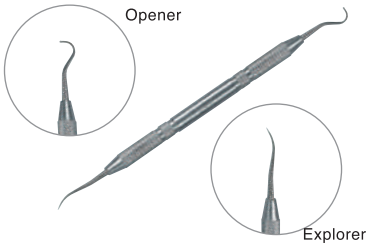


How to open/close the clip

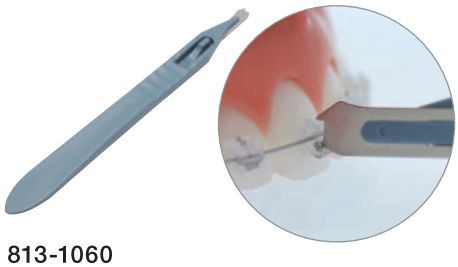




Specially designed opening tool



813-1050
Opening tool



813-1060
Clip Opener

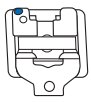
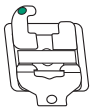
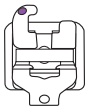
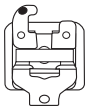
Instrument for debonding

802-1008
Wonder Remover

CLIPPY-C

Formula-K (OPA-K Type) Maxillary Arch

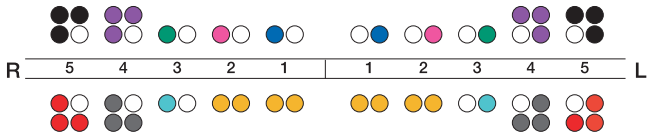
The Clippy C, a high-purity translucent ceramic aesthetic self-ligating bracket is available in the OPA-K specification. This system and concept are more compact than the conventional brackets.
Available to order: $\frac{5}{5}\frac{5}{5}$ Kit

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals 1 | 1		12°	3°	0°	3.2	L	1686-101L	1686-102L
						R	1686-101R	1686-102R
Upper Laterals 2 | 2		8°	6°	0°	3.0	L	1686-201L	1686-202L
						R	1686-201R	1686-202R
Upper Cuspids 3 | 3		-3°	7°	0°	3.2	L	w/Hook 1686-301L	1686-302L
						R	1686-301R	1686-302R
						L	1686-303L	1686-304L
						R	1686-303R	1686-304R
Upper 1st Bicuspids 4 | 4		-7°	0°	0°	3.2	L	w/Hook 1686-401L	1686-402L
						R	1686-401R	1686-402R
						L&R	1686-4030	1686-4040
Upper 2nd Bicuspids 5 | 5		-7°	0°	0°	3.2	L	w/Hook 1686-501L	1686-502L
						R	1686-501R	1686-502R
						L&R	1686-5030	1686-5040

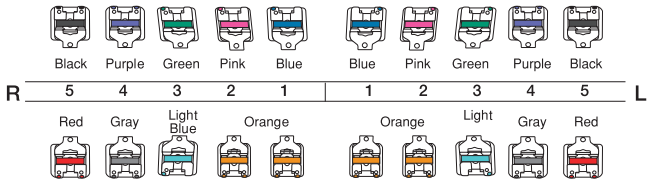
10 ea /PK

Formula-K (OPA-K Type) Mandibular Arch

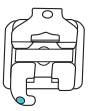
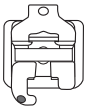
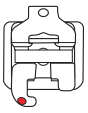
COLOR CODING



Note1 : Brackets with right or left distinction, its tie wings are coded distogingival.
Note2 : Universal brackets are coded on both distogingival and mesiogingival tie wings.



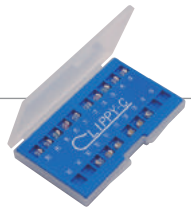
Note : After bonding a bracket, remove a site gauge from the bracket with a scaler, explorer, or similar tool.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors 21 | 12		1°	0°	0°	2.8	L&R	1686-1110	1686-1120
Lower Cuspids 3 | 3		-6°	3°	0°	3.2	L	w/Hook 1686-311L	1686-312L
						R	1686-311R	1686-312R
						L	1686-313L	1686-314L
						R	1686-313R	1686-314R
Lower 1st Bicuspids 4 | 4		-12°	0°	0°	3.2	L	w/Hook 1686-411L	1686-412L
						R	1686-411R	1686-412R
						L&R	1686-4130	1686-4140
Lower 2nd Bicuspids 5 | 5		-17°	0°	0°	3.2	L	w/Hook 1686-511L	1686-512L
						R	1686-511R	1686-512R
						L&R	1686-5130	1686-5140

10 ea /PK

One Patient Kit

3 ~ 3 / 3 ~ 3



1686-01 1686-02
w/Hook 1686-01H 1686-02H

12 ea /KIT

5 ~ 5 / 5 ~ 5

1686-001 1686-002
w/Hook 1686-001HA 1686-002HA

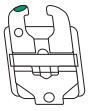
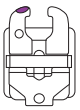
20 ea /KIT

*Note: 1686-001HA & 1686-002HA Have hooks on all the brackets for cuspid and bicuspid.

CLIPPY-C

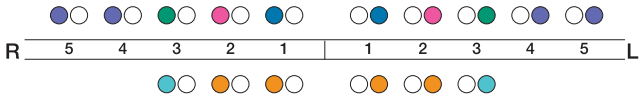
Formula-R (Roth Type) Maxillary Arch

CLIPPY-C, which has a ceramic body and rhodium-coated clip, is a ceramic self-ligating bracket with emphasis on aesthetics.
It brings out the natural smile.

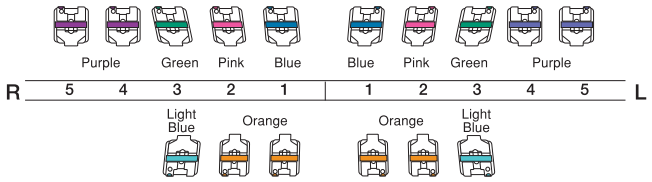
		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals 1 | 1		12°	5°	0°	3.4	L	**168-101L**	**168-102L**
						R	**168-101R**	**168-102R**
Upper Laterals 2 | 2		8°	9°	0°	3.2	L	**168-201L**	**168-202L**
						R	**168-201R**	**168-202R**
Upper Cuspids 3 | 3		-2°	13°	4°M	3.4	L	w/Hook **168-301L**	**168-302L**
						R	**168-301R**	**168-302R**
						L	**168-303L**	**168-304L**
						R	**168-303R**	**168-304R**
		-2°	8°	4°M	3.4	L	w/Hook **168-305L**	**168-306L**
						R	**168-305R**	**168-306R**
Upper 1st & 2nd Bicuspids 5 4 | 4 5		-7°	0°	2°D	3.4	L	w/Hook **168-401L**	**168-402L**
						R	**168-401R**	**168-402R**
						L	**168-403L**	**168-404L**
						R	**168-403R**	**168-404R**
							10 ea /PK	
Upper 1st Molars 6 | 6		-10°	0°	14°D	4.0	L	**952-607L**	**952-608L**
						R	**952-607R**	**952-608R**
							10 ea /PK	

Formula-R (Roth Type) Mandibular Arch

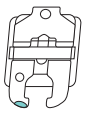
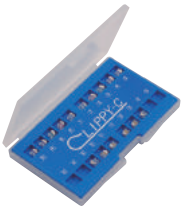
COLOR CODING



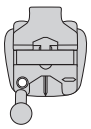
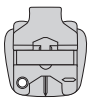
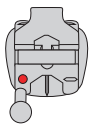
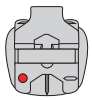
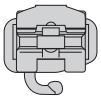
Note1 : Brackets with right or left distinction, its tie wings are coded distogingival.
Note2 : Universal brackets are coded on both distogingival and mesiogingival tie wings.



Note : After bonding a bracket, remove a site gauge from the bracket with a scaler, explorer, or similar tool.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors 2 1 | 1 2		-1°	2°	0°	3.0	L	**168-111L**	**168-112L**
						R	**168-111R**	**168-112R**
Lower Cuspids 3 | 3		-11°	7°	2°M	3.4	L	**168-311L**	**168-312L**
						R	**168-311R**	**168-312R**
						L	**168-313L**	**168-314L**
						R	**168-313R**	**168-314R**
								10 ea /PK
One Patient Kit 3 ~ 3 | 3 ~ 3							**168-01**	**168-02**
						w/Hook	**168-01H**	**168-02H**
								12 ea /KIT
5 ~ 5 | 3 ~ 3							**168-05**	**168-06**
						w/Hook*	**168-05H**	**168-06H**
								16 ea /KIT

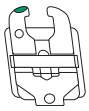
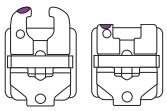
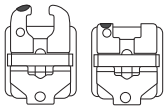
*Note: 168-05H & 168-06H have hook on all the brackets for cuspid and bicuspid.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower 1st Bicuspids 4 | 4		-17°	-1°	4°D	3.0	L	**952-411L**	**952-412L**
						R	**952-411R**	**952-412R**
						L	**952-413L**	**952-414L**
						R	**952-413R**	**952-414R**
Lower 2nd Bicuspids 5 | 5		-22°	-1°	4°D	3.0	L	**952-511L**	**952-512L**
						R	**952-511R**	**952-512R**
						L	**952-513L**	**952-514L**
						R	**952-513R**	**952-514R**
Lower 1st Molars 6 | 6		-25°	0°	4°D	4.0	L	**952-611L**	**952-612L**
						R	**952-611R**	**952-612R**
								10 ea /PK

CLIPPY-C

Formula-M (McLaughlin Type*) Maxillary Arch

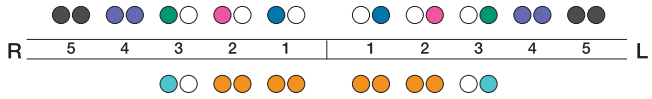
CLIPPY-C, which has a ceramic body and rhodium-coated clip, is a ceramic self-ligating bracket with emphasis on aesthetics. It brings out the natural smile.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals								
1 | 1		17°	4°	0°	3.4	L	1685-101L	1685-102L
						R	1685-101R	1685-102R
Upper Laterals								
2 | 2		10°	8°	0°	3.2	L	1685-201L	1685-202L
						R	1685-201R	1685-202R
Upper Cuspids							w/Hook	
3 | 3		-7°	8°	0°	3.4	L	1685-301L	1685-302L
						R	1685-301R	1685-302R
		0°	8°	2°M	3.4	L	1685-305L	1685-306L
						R	1685-305R	1685-306R
						L	1685-307L	1685-308L
						R	1685-307R	1685-308R
Upper 1st Bicuspids							w/Hook	
4 | 4		-7°	0°	0°	3.4	L&R	1685-4010	1685-4020
						L&R	1685-4030	1685-4040
Upper 2nd Bicuspids							w/Hook	
5 | 5		-7°	0°	0°	3.4	L&R	1685-5010	1685-5020
						L&R	1685-5030	1685-5040
							10 ea /PK	
Upper 1st Molars								
6 | 6		-14°	0°	10°D	4.0	L	957-607L	957-608L
						R	957-607R	957-608R
							10 ea /PK	

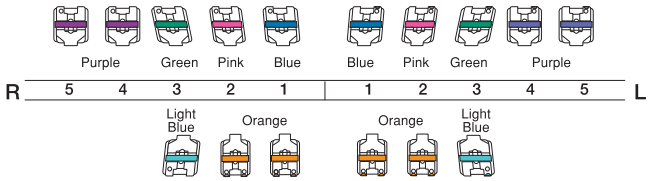
Formula-M (McLaughlin Type*) Mandibular Arch

*Note: Does not imply endorsement by doctor.

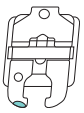
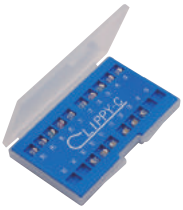
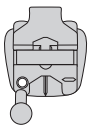
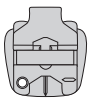
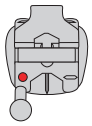
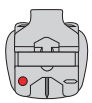
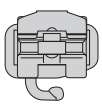
COLOR CODING



Note1 : Brackets with right or left distinction, its tie wings are coded distogingival.
Note2 : Universal brackets are coded on both distogingival and mesiogingival tie wings.

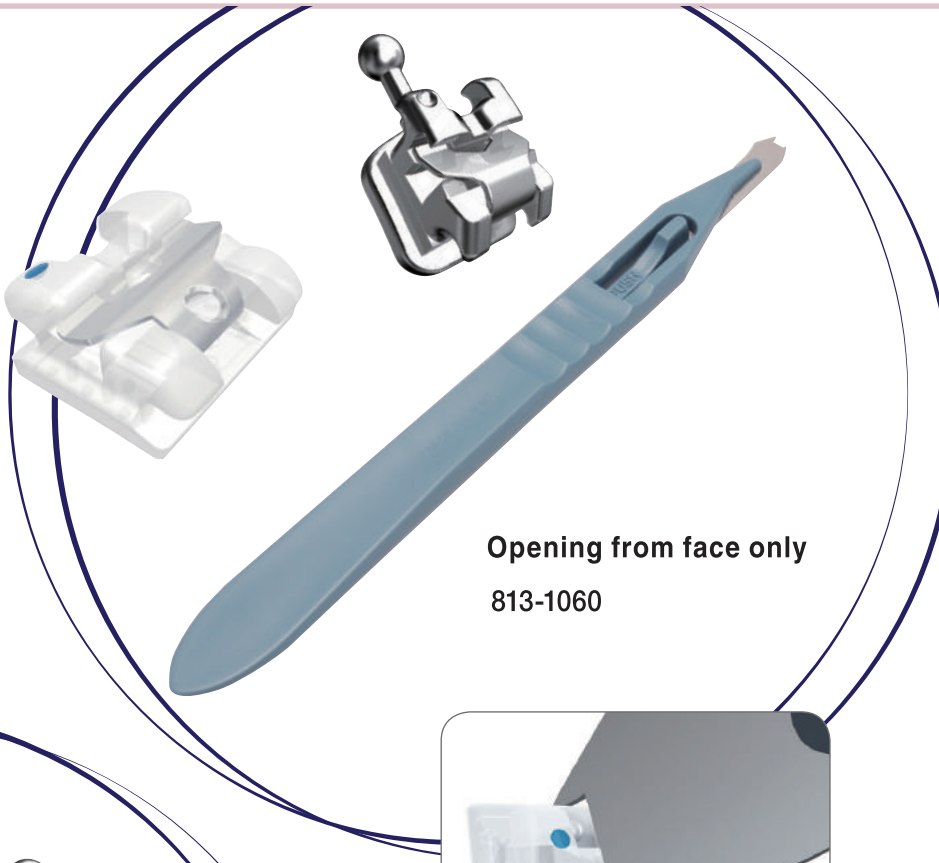


Note : After bonding a bracket, remove a site gauge from the bracket with a scaler, explorer, or similar tool.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors 21 | 12		-6°	0°	0°	3.0	L&R	1685-1110	1685-1120
		0°	0°	0°	3.0	L&R	1685-1130	1685-1140
Lower Cuspids 3 | 3		-6°	3°	0°	3.4	L R	w/Hook 1685-311L 1685-311R	1685-312L 1685-312R
		0°	3°	0°	3.4	L R	w/Hook 1685-315L 1685-315R	1685-316L 1685-316R
							10 ea /PK	
One Patient Kit 3 ~ 3 3 ~ 3						w/Hook	1685-01H	1685-02H
							1685-03H	1685-04H
							12 ea /KIT	
5 ~ 5 3 ~ 3						w/Hook**	1685-05H	1685-06H
							16 ea /KIT	
Lower 1st Bicuspids 4 | 4		-12°	2°	0°	3.0	L R	w/Post 957-411L 957-411R	957-412L 957-412R
						L R	957-413L 957-413R	957-414L 957-414R
Lower 2nd Bicuspids 5 | 5		-17°	2°	0°	3.0	L R	w/Post 957-511L 957-511R	957-512L 957-512R
						L R	957-513L 957-513R	957-514L 957-514R
Lower 1st Molars 6 | 6		-20°	0°	0°	4.0	L R	957-611L 957-611R	957-612L 957-612R
							10 ea /PK	

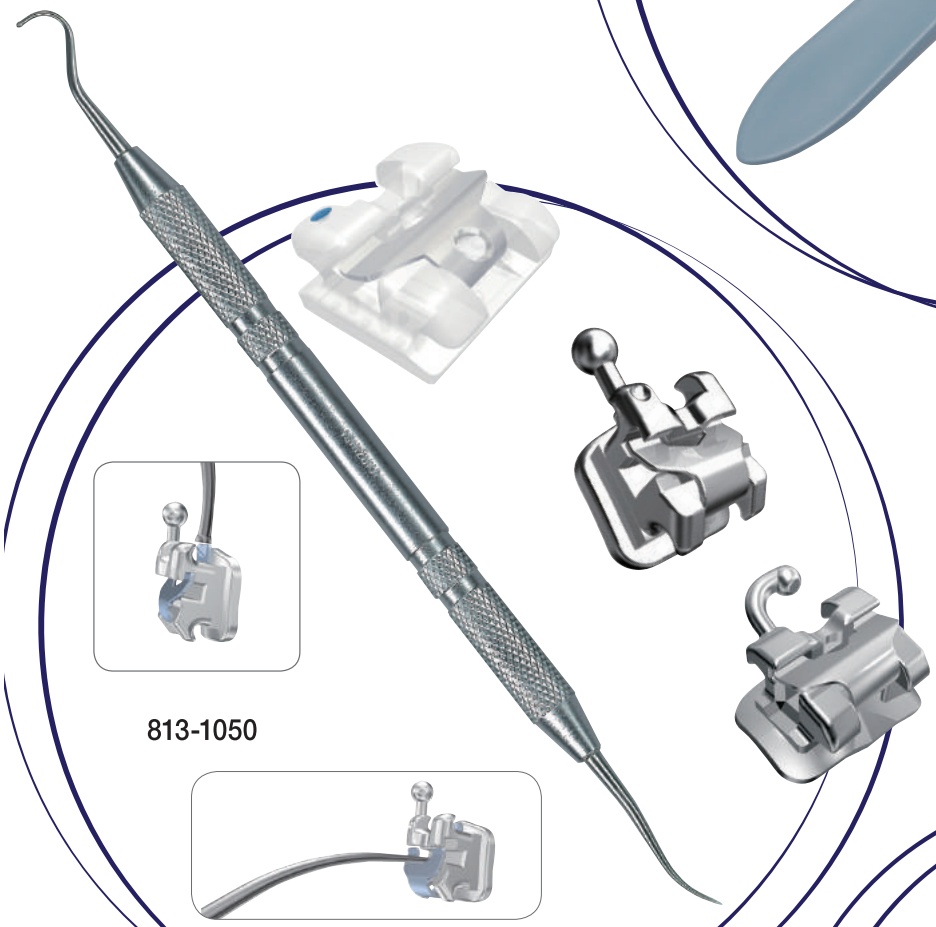
**Note: 1685-05H and 1685-06H have hook on all the brackets for cuspid and bicuspid.

TOOLS FOR CLIPPY SERIES

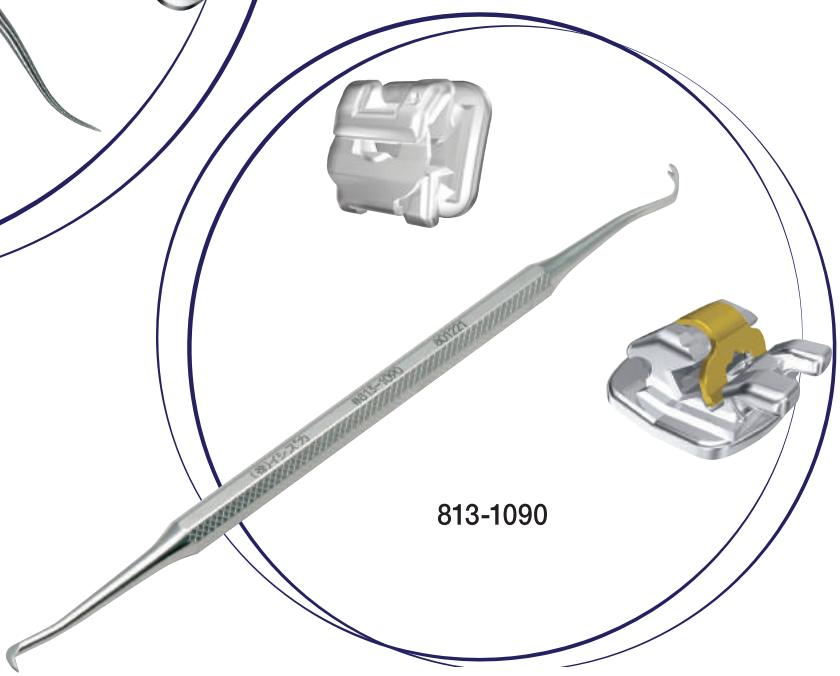


Opening from face only

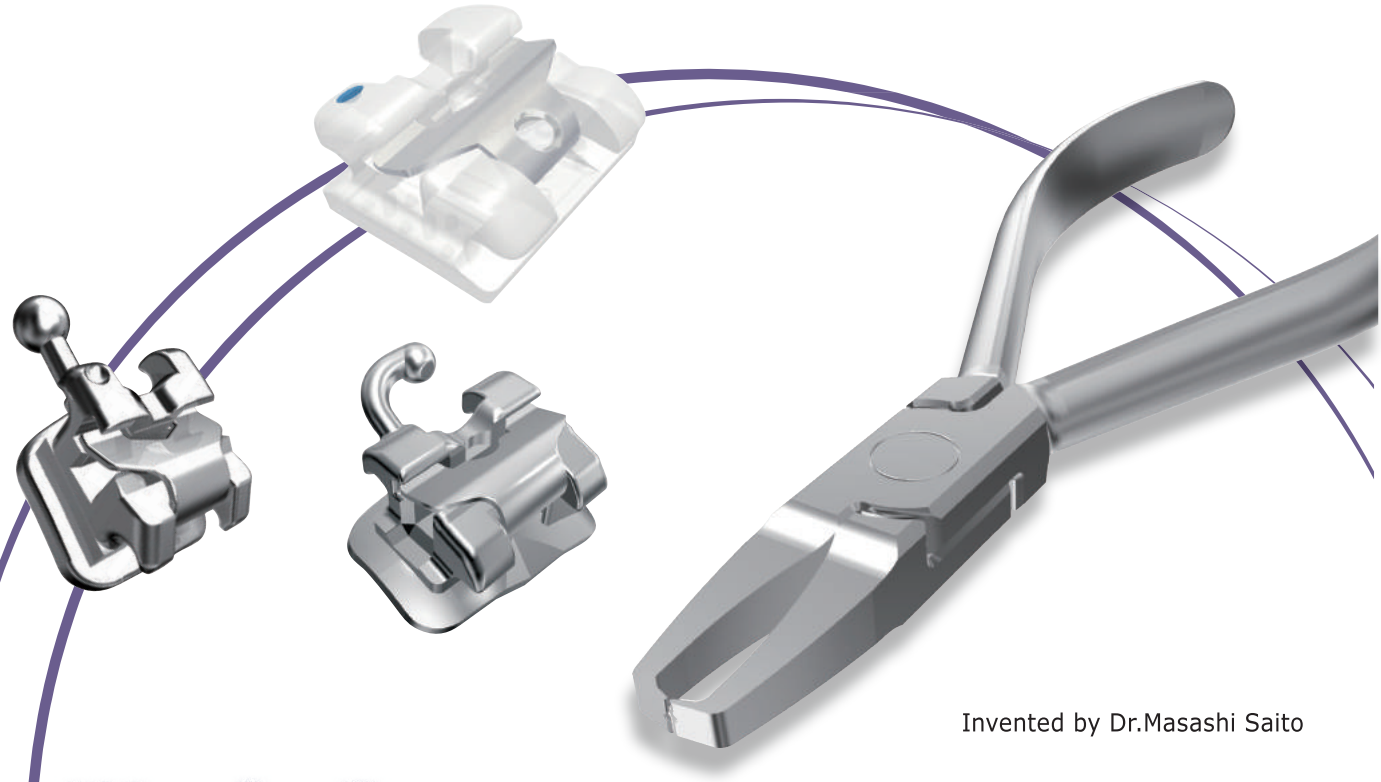
813-1060



813-1050



813-1090



Invented by Dr.Masashi Saito

Wonder Remover

This product has been designed for use in debonding of the Clippy-C.

1. Remove the wire and close the clip.
2. Gently pinch the bracket as shown in the figure below.
3. With the bracket pinched, gently lower the pliers in the direction rotating from the crown to the labial side along the teeth axis (arrow direction) to remove the Clippy C. You can reduce patient pain by pressing your finger against the incisal margin to stop tooth mobility.

Wonder Remover

802-1008

※ Do not grasp the bracket with excessive force.
※ Do not twist or pull the pliers other than the direction indicated above.
※ In the event if the bracket tie-wing chipped, remove the remnant bracket on the tooth by pinching the opposite angles of the bracket's base and scrapping it off.
Use a vacuum suction when doing so to thoroughly remove any fragments.
In the unlikely event if it cannot be removed by using the above procedures, use a diamond bur or similar tool to shave it off.

CLIPPY MICRO MINI RC TOMY Self-Ligating Bracket Series

Formula-R (Roth Type) Maxillary Arch

CLIPPY MICRO MINI RC

Rhodium coated finish

The Clippy Micro Mini features a new aesthetic metal brackets covered in rhodium coating.

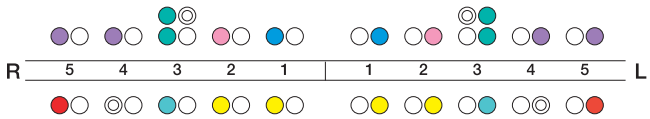
Low profile and compact design

Bicuspid full passive specifications

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals 1 | 1		12°	5°	0°	2.8	L	**9521-101L**	**9521-102L**
						R	**9521-101R**	**9521-102R**
Upper Laterals 2 | 2		8°	9°	0°	2.6	L	**9521-201L**	**9521-202L**
						R	**9521-201R**	**9521-202R**
Upper Cuspids 3 | 3		-2°	13°	4°M	2.6	L	w/Post **9521-301L**	**9521-302L**
						R	**9521-301R**	**9521-302R**
						L	**9521-303L**	**9521-304L**
						R	**9521-303R**	**9521-304R**
		-2°	9°	4°M	2.6	L	w/Post **9521-305L**	**9521-306L**
						R	**9521-305R**	**9521-306R**
						L	**9521-307L**	**9521-308L**
						R	**9521-307R**	**9521-308R**
Upper 1st, 2nd Bicuspid "Passive" 5 4 | 4 5		-7°	0°	2°D	2.6	L	w/Post **9521-P401L**	**9521-P402L**
						R	**9521-P401R**	**9521-P402R**
						L	**9521-P403L**	**9521-P404L**
						R	**9521-P403R**	**9521-P404R**

10 ea /PK

Formula-R (Roth Type) Mandibular Arch



Note1 : Brackets with right and left distinction, only distogingval tie-wing is color coded.
Note2 : Double circle means white marking.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors $\frac{21\,|\,12}{}$		-1°	2°	0°	2.6	L	**9521-111L**	**9521-112L**
						R	**9521-111R**	**9521-112R**
Lower Cuspids $\frac{3\,|\,3}{}$		-11°	7°	2°M	2.6	L	**9521-311L**	**9521-312L**
						R	**9521-311R**	**9521-312R**
						L	**9521-313L**	**9521-314L**
						R	**9521-313R**	**9521-314R**
Lower 1st Bicuspid "Passive" $\frac{4\,|\,4}{}$		-17°	-1°	4°D	2.6	L	**9521-P411L**	**9521-P412L**
						R	**9521-P411R**	**9521-P412R**
						L	**9521-P413L**	**9521-P414L**
						R	**9521-P413R**	**9521-P414R**
Lower 2nd Bicuspid "Passive" $\frac{5\,|\,5}{}$		-22°	-1°	4°D	2.6	L	**9521-P511L**	**9521-P512L**
						R	**9521-P511R**	**9521-P512R**
						L	**9521-P513L**	**9521-P514L**
						R	**9521-P513R**	**9521-P514R**

w/Post

10 ea /PK

Formula-M (McLaughlin Type*) Maxillary Arch

MICRO MINI CLIPPY RC

Rhodium coated finish

The Clippy Micro Mini features a new aesthetic metal brackets covered in rhodium coating.

Low profile and compact design

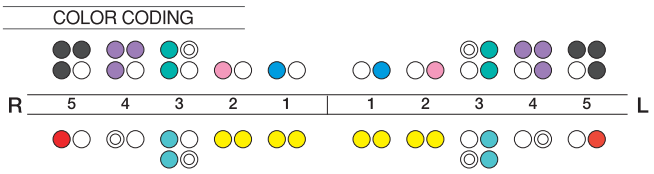
Bicuspid full passive specifications

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals 1 | 1		17°	4°	0°	2.8	L	**9571-101L**	**9571-102L**
						R	**9571-101R**	**9571-102R**
Upper Laterals 2 | 2		10°	8°	0°	2.6	L	**9571-201L**	**9571-202L**
						R	**9571-201R**	**9571-202R**
Upper Cuspids 3 | 3		-7°	8°	0°	2.6	L	w/Post **9571-301L**	**9571-302L**
						R	**9571-301R**	**9571-302R**
		0°	8°	0°	2.6	L	w/Post **9571-305L**	**9571-306L**
						R	**9571-305R**	**9571-306R**
Upper 1st Bicuspid "Passive" 4 | 4		-7°	0°	0°	2.6	L	w/Post **9571-P401L**	**9571-P402L**
						R	**9571-P401R**	**9571-P402R**
						L&R	**9571-P4030**	**9571-P4040**
Upper 2nd Bicuspid "Passive" 5 | 5		-7°	0°	0°	2.6	L	w/Post **9571-P501L**	**9571-P502L**
						R	**9571-P501R**	**9571-P502R**
						L&R	**9571-P5030**	**9571-P5040**

10 ea /PK

Formula-M (McLaughlin Type*) Mandibular Arch

*Note: Does not imply endorsement by doctor.



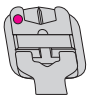
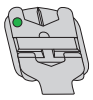
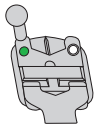
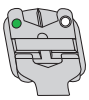
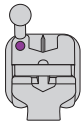
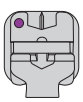
Note1 : Brackets with right or left distinction, its tie wings are coded distogingival.
Note2 : Double circle means white marking.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors $\frac{21\|12}{}$		-6°	0°	0°	2.6	L&R	**9571-1110**	**9571-1120**
Lower Cuspids $\frac{3\|3}{}$		-6°	3°	0°	2.6	L	w/Post **9571-311L**	**9571-312L**
						R	**9571-311R**	**9571-312R**
		0°	3°	0°	2.6	L	w/Post **9571-315L**	**9571-316L**
						R	**9571-315R**	**9571-316R**
Lower 1st Bicuspid "Passive" $\frac{4\|4}{}$		-12°	2°	0°	2.6	L	w/Post **9571-P411L**	**9571-P412L**
						R	**9571-P411R**	**9571-P412R**
						L	**9571-P413L**	**9571-P414L**
						R	**9571-P413R**	**9571-P414R**
Lower 2nd Bicuspid "Passive" $\frac{5\|5}{}$		-17°	2°	0°	2.6	L	w/Post **9571-P511L**	**9571-P512L**
						R	**9571-P511R**	**9571-P512R**
						L	**9571-P513L**	**9571-P514L**
						R	**9571-P513R**	**9571-P514R**

10 ea /PK

Formula-R (Roth Type) Maxillary Arch

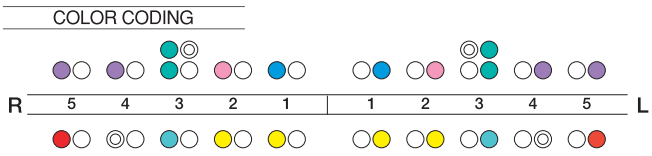
This mini-type self-ligating bracket has complete realized tooth movement and control, in addition to being friction-free.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals 1 | 1		12°	5°	0°	3.0	L	**952-101L**	**952-102L**
						R	**952-101R**	**952-102R**
Upper Laterals 2 | 2		8°	9°	0°	2.8	L	**952-201L**	**952-202L**
						R	**952-201R**	**952-202R**
Upper Cuspids 3 | 3		-2°	13°	4°M	3.0	L	**952-301L**	**952-302L**
						R	**952-301R**	**952-302R**
						L	**952-303L**	**952-304L**
						R	**952-303R**	**952-304R**
		-2°	10°	4°M	3.0	L	**952-305L**	**952-306L**
						R	**952-305R**	**952-306R**
						L	**952-307L**	**952-308L**
						R	**952-307R**	**952-308R**
Upper 1st , 2nd Bicuspids 5 4 | 4 5		-7°	0°	2°D	3.0	L	**952-401L**	**952-402L**
						R	**952-401R**	**952-402R**
						L	**952-403L**	**952-404L**
						R	**952-403R**	**952-404R**
Upper 1st Molars 6 | 6		-10°	0°	14°D	4.0	L	**952-607L**	**952-608L**
						R	**952-607R**	**952-608R**

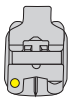
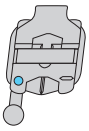
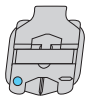
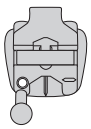
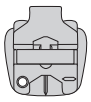
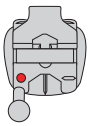
w/Post

10 ea /PK

Formula-R (Roth Type) Mandibular Arch

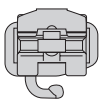


Note1 : Brackets with right and left distinction, only distogingval tie-wing is color coded.
Note2 : Double circle means white marking.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors 2 1 | 1 2		-1°	2°	0°	2.6	L	**952-111L**	**952-112L**
						R	**952-111R**	**952-112R**
Lower Cuspids 3 | 3		-11°	7°	2°M	3.0	L	**952-311L**	**952-312L**
						R	**952-311R**	**952-312R**
						L	**952-313L**	**952-314L**
						R	**952-313R**	**952-314R**
Lower 1st Bicuspids 4 | 4		-17°	-1°	4°D	3.0	L	**952-411L**	**952-412L**
						R	**952-411R**	**952-412R**
						L	**952-413L**	**952-414L**
						R	**952-413R**	**952-414R**
Lower 2nd Bicuspids 5 | 5		-22°	-1°	4°D	3.0	L	**952-511L**	**952-512L**
						R	**952-511R**	**952-512R**
						L	**952-513L**	**952-514L**
						R	**952-513R**	**952-514R**

w/Post

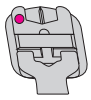
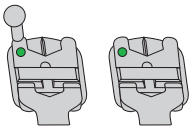
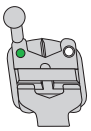
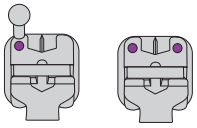
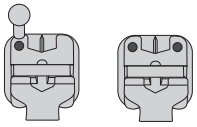
10 ea /PK

Lower 1st Molars 6 | 6		-25°	0°	4°D	4.0	L	**952-611L**	**952-612L**
						R	**952-611R**	**952-612R**

10 ea /PK

Formula-M (McLaughlin Type*) Maxillary Arch

This mini-type self-ligating bracket has complete realized tooth movement and control, in addition to being friction-free.

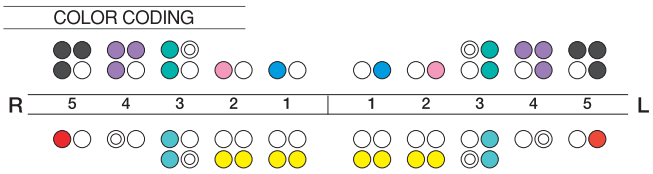
		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals		17°	4°	0°	3.0	L	**957-101L**	**957-102L**
1 | 1						R	**957-101R**	**957-102R**
Upper Laterals		10°	8°	0°	2.8	L	**957-201L**	**957-202L**
2 | 2						R	**957-201R**	**957-202R**
Upper Cuspids		-7°	8°	0°	3.0	L	**957-301L**	**957-302L**
3 | 3						R	**957-301R**	**957-302R**
						L	**957-303L**	**957-304L**
						R	**957-303R**	**957-304R**
		0°	8°	0°	3.0	L	**957-305L**	**957-306L**
						R	**957-305R**	**957-306R**
Upper 1st Bicuspids		-7°	0°	0°	3.0	L	**957-401L**	**957-402L**
4 | 4						R	**957-401R**	**957-402R**
						L&R	**957-4030**	**957-4040**
Upper 2nd Bicuspids		-7°	0°	0°	3.0	L	**957-501L**	**957-502L**
5 | 5						R	**957-501R**	**957-502R**
						L&R	**957-5030**	**957-5040**
Upper 1st Molars		-14°	0°	10°D	4.0	L	**957-607L**	**957-608L**
6 | 6						R	**957-607R**	**957-608R**

w/Post

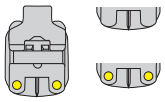
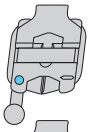
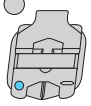
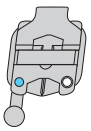
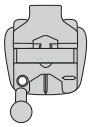
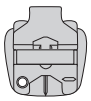
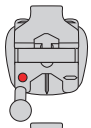
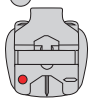
10 ea /PK

Formula-M (McLaughlin Type*) Mandibular Arch

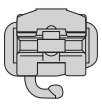
*Note: Does not imply endorsement by doctor.



Note1 : Brackets with right or left distinction, its tie wings are coded distogingival.
Note2 : Double circle means white marking.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors $\frac{21\|12}{}$		-6°	0°	0°	2.6	L&R	**957-1110**	**957-1120**
		0°	0°	0°	2.6	L&R	**957-1130**	**957-1140**
Lower Cuspids $\frac{3\|3}{}$		-6°	3°	0°	3.0	L	w/Post **957-311L**	**957-312L**
						R	**957-311R**	**957-312R**
						L	**957-313L**	**957-314L**
						R	**957-313R**	**957-314R**
		0°	3°	0°	3.0	L	w/Post **957-315L**	**957-316L**
						R	**957-315R**	**957-316R**
Lower 1st Bicuspids $\frac{4\|4}{}$		-12°	2°	0°	3.0	L	w/Post **957-411L**	**957-412L**
						R	**957-411R**	**957-412R**
						L	**957-413L**	**957-414L**
						R	**957-413R**	**957-414R**
Lower 2nd Bicuspids $\frac{5\|5}{}$		-17°	2°	0°	3.0	L	w/Post **957-511L**	**957-512L**
						R	**957-511R**	**957-512R**
						L	**957-513L**	**957-514L**
						R	**957-513R**	**957-514R**

10 ea /PK

Lower 1st Molars $\frac{6\|6}{}$		-20°	0°	0°	4.0	L	**957-611L**	**957-612L**
						R	**957-611R**	**957-612R**

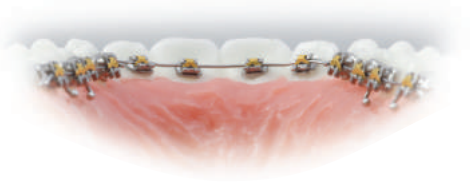
10 ea /PK

CLIPPY-L

Lingual Self-Ligating Brackets

Low profile

The bracket is extremely thin, reducing discomfort.



Self-Ligating

The unique clip structure allows simple opening and closing of the clip, alleviating the need for lingual ligation. This eliminates troublesome procedures.

With Hook

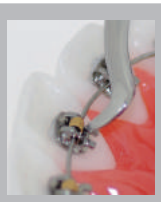
You can select whether to include hooks for brackets up to 5-5.
The wide hook and deep well, designed with consideration for tongue sensitivity, allow improved operability. 3-3 has a central line for positioning, convenient for direct bonding.

Bonding base

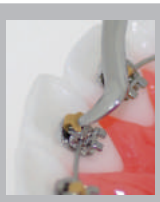
The shape of the bonding base matches the lingual form. The bonding base can be adhered to deep areas in the lingual fossa.

How to open/close the clip *for CLIPPY-L*

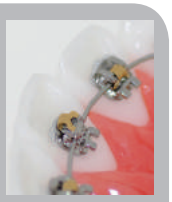
OPEN



Insert the tip into the notched area of the clip.

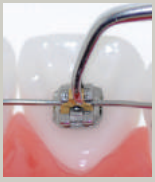


Slide the clip in the tooth axis direction, toward the occlusal surface.

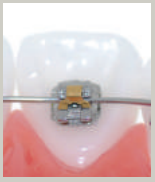


CLOSE

Place the notched area of the opener against the curved part of the clip.



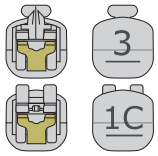
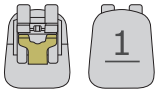
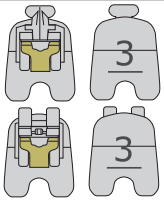
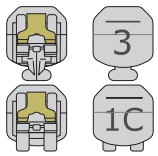
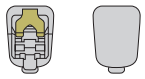
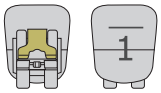
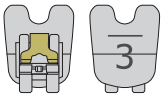
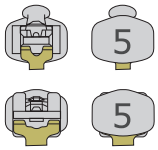
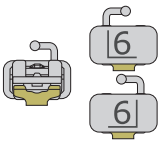
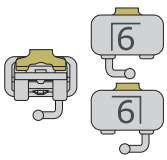
Slide the clip toward the cervical area, so that it is over the wire.



Specially Designed Opening Tool

CLIPPY-L Opener
813-1090

Lingual Self-Ligating Brackets

		Torque, Degrees	Width. mm	Left/ Right	.018"Slot
Up. Centrals & Laterals & Cuspids 3 2 1 | 1 2 3		60°	2.2	L&R	w/Hook **991-11H**
				L&R	**991-11**
Up. Centrals & Laterals 2 1 | 1 2		60°	2.2	L&R	**992-11**
Up. Cuspids 3 | 3		60°	2.2	L&R	w/Hook **992-31H**
				L&R	**992-31**
Lo. Anteriors & Cuspids 3 2 1 | 1 2 3		50°	2.2	L&R	w/Hook **991-51H**
				L&R	**991-51**
Lo. Anteriors 2 1 | 1 2	Narrow Type 	50°	1.6/2.0	L&R	**991-57**
Lo. Anteriors 2 1 | 1 2		50°	2.2	L&R	**992-51**
Lo. Cuspids 3 | 3		50°	2.2	L&R	**992-61**
Up. & Lo. 1st , 2nd Bicuspids 5 4 | 4 5 5 4 | 4 5		10°	2.2	L&R	w/Hook **991-47H**
		10°	3.2	L&R	**991-45**
Upper Molars 7 6 | 6 7		10°	3.8	L	w/Hook **991-607L**
				R	**991-607R**
Lower Molars 7 6 | 6 7		0°	3.8	L	w/Hook **991-611L**
				R	**991-611R** 5 ea /PK
One Patient Kit 6 ~ 6 6 ~ 6		(991-11, 45, 51, 607L/R, 611L/R)			**991-0021**
		(911-11H, 47H, 51H, 607L/R, 611L/R)		w/Hook	**991-0021H** 24 ea /KIT

Crystaline 7 *Completely Improved Ceramic Bracket*

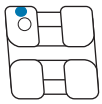
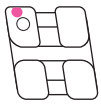
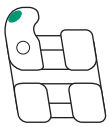
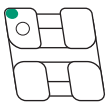
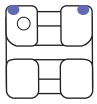
Formula-R (Roth Type) Maxillary Arch

Crystaline 7 SEVEN

New Design
Twin-bracket design and shape of single hook on cuspid.

CIM (Ceramic injection molding) Process Adopted
Entire bracket is manufactured with precision and smoothness.

Mechanical Lock Base
New rivet lock base shape.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals								
1 | 1		12°	5°	0°	3.7	L	**1651-101L**	**1651-102L**
						R	**1651-101R**	**1651-102R**
Upper Laterals								
2 | 2		8°	9°	0°	3.4	L	**1651-201L**	**1651-202L**
						R	**1651-201R**	**1651-202R**
Upper Cuspids							w/Hook	
3 | 3						L	**1651-305L**	**1651-306L**
						R	**1651-305R**	**1651-306R**
		-2°	9°	4°M	3.7	L	**1651-307L**	**1651-308L**
						R	**1651-307R**	**1651-308R**
Upper 1st , 2nd Bicuspids								
5 4 | 4 5		-7°	0°	0°	3.7	L&R	**1651-4030**	**1651-4040**

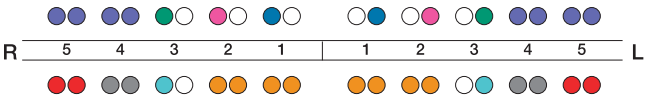
10 ea /PK

AESTHETIC BRACKETS

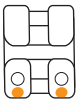
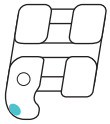
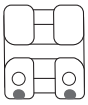
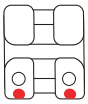
Crystaline 7 *Completely Improved Ceramic Bracket*

Formula-R (Roth Type) Mandibular Arch

COLOR CODING



Note1 : Brackets with right or left distinction, its tie wings are coded distogingival.
Note2 : Universal brackets are coded on both distogingival and mesiogingival tie wings.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors								
2 1 | 1 2		0°	0°	0°	3.0	L&R	**1651-1110**	**1651-1120**
Lower Cuspids							w/Hook	
3 | 3		-11°	7°	2°M	3.7	L	**1651-311L**	**1651-312L**
						R	**1651-311R**	**1651-312R**
						L	**1651-313L**	**1651-314L**
						R	**1651-313R**	**1651-314R**
Lower 1st Bicuspids								
4 | 4		-17°	0°	0°	3.5	L&R	**1651-4130**	**1651-4140**
Lower 2nd Bicuspids								
5 | 5		-22°	0°	0°	3.5	L&R	**1651-5130**	**1651-5140**
								10 ea /PK
One Patient Kit								
3 3 / 3 3							**1651-03**	**1651-04**
						w/Hook	**1651-03H**	**1651-04H**
								12 ea /KIT
5 5 / 3 3							**1651-07**	**1651-08**
						w/Hook	**1651-07H**	**1651-08H**
								16 ea /KIT
5 5 / 5 5							**1651-001**	**1651-002**
						w/Hook	**1651-001H**	**1651-002H**
								20 ea /KIT

Crystaline 7 *Completely Improved Ceramic Bracket*

Formula-M (McLaughlin Type*) Maxillary Arch

Crystaline 7 SEVEN

New Design

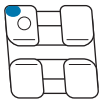
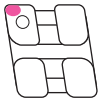
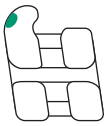
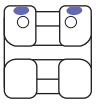
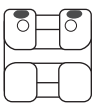
Twin-bracket design and shape of single hook on cuspid.

CIM (Ceramic injection molding) Process Adopted

Entire bracket is manufactured with precision and smoothness.

Mechanical Lock Base

New rivet lock base shape.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals								
1 | 1		17°	4°	0°	3.7	L	———	**1655-102L**
						R	———	**1655-102R**
Upper Laterals								
2 | 2		10°	8°	0°	3.4	L	———	**1655-202L**
						R	———	**1655-202R**
Upper Cuspids							w/Hook	
3 | 3		-7°	8°	0°	3.7	L	———	**1655-302L**
						R	———	**1655-302R**
		0°	8°	2°M	3.7	L	———	**1655-306L**
						R	———	**1655-306R**
Upper 1st Bicuspids								
4 | 4		-7°	0°	0°	3.7	L&R	———	**1655-4040**
Upper 2nd Bicuspids								
5 | 5		-7°	0°	0°	3.7	L&R	———	**1655-5040**

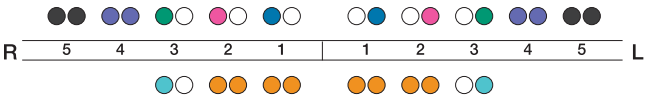
10 ea /PK

Crystaline 7 *Completely Improved Ceramic Bracket*

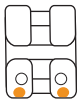
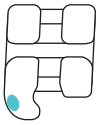
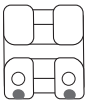
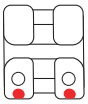
Formula-M (McLaughlin Type*) Mandibular Arch

*Note: Does not imply endorsement by doctor.

COLOR CODING



Note1 : Brackets with right or left distinction, its tie wings are coded distogingival.
Note2 : Universal brackets are coded on both distogingival and mesiogingival tie wings.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors $\frac{21\,|\,12}{}$		-6°	0°	0°	3.0	L&R	———	**1655-1120**
		0°	0°	0°	3.0	L&R	———	**1655-1140**
Lower Cuspids $\frac{3\,|\,3}{}$		-6°	3°	0°	3.7	L	———	**1655-312L** (w/Hook)
						R	———	**1655-312R** (w/Hook)
		0°	3°	0°	3.7	L	———	**1655-316L** (w/Hook)
						R	———	**1655-316R** (w/Hook)
Lower 1st Bicuspids $\frac{4\,|\,4}{}$		-12°	0°	0°	3.5	L&R	———	**1655-4140**
Lower 2nd Bicuspids $\frac{5\,|\,5}{}$		-17°	0°	0°	3.5	L&R	———	**1655-5140** 10 ea /PK

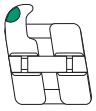
One Patient Kit

$\frac{3 \sim 3}{3 \sim 3}$	Lower Anterior w/Torque (1655-1120) Up & Lo. cuspid w/Torque (1655-302L/R, 312L/R)	w/Hook	———	**1655-02H**
	Lower Anterior w/o Torque (1655-1140) Up & Lo. cuspids w/o Torque (1655-306L/R, 316 L/R)	w/Hook	———	**1655-04H** 12 ea /KIT
$\frac{5 \sim 5}{3 \sim 3}$ 	Lower Anterior w/Torque (1655-1120) Up & Lo. cuspid w/Torque (1655-302L/R, 312L/R)	w/Hook	———	**1655-06H**
	Lower Anterior w/o Torque (1655-1140) Up & Lo. cuspids w/o Torque (1655-306L/R, 316 L/R)	w/Hook	———	**1655-08H** 16 ea /KIT
$\frac{5 \sim 5}{5 \sim 5}$	Lower Anterior w/Torque (1655-1120) Up & Lo. cuspid w/Torque (1655-302L/R, 312L/R)	w/Hook	———	**1655-002H**
	Lower Anterior w/o Torque (1655-1140) Up & Lo. cuspids w/o Torque (1655-306L/R, 316 L/R)	w/Hook	———	**1655-004H**
	Lower Anterior w/ Torque (1655-1120) Up & Lo. cuspids w/o Torque (1655-306L/R, 316 L/R)	w/Hook	———	**1655-006H** 20 ea /KIT

Plastic Bracket (Roth Type)

The "Esther MB" hybrid plastic bracket is a new concept for improvements in aesthetics, operability, and durability. The newly developed bonding base allows the use of a variety of bonding materials.

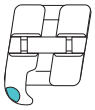
Maxillary Arch

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals 1 | 1		12°	5°	0°	3.8	L	**197-101L**	**197-102L**
						R	**197-101R**	**197-102R**
Upper Laterals 2 | 2		8°	9°	0°	3.2	L	**197-201L**	**197-202L**
						R	**197-201R**	**197-202R**
Upper Cuspids 3 | 3		0°	10°	0°	3.7	L	**197-301L**	**197-302L**
						R	**197-301R**	**197-302R**
						L	**197-303L**	**197-304L**
						R	**197-303R**	**197-304R**
Upper 1st , 2nd Bicuspids 5 4 | 4 5		-7°	0°	0°	3.4	L&R	**197-4030**	**197-4040**

w/Hook

10 ea /PK

Mandibular Arch

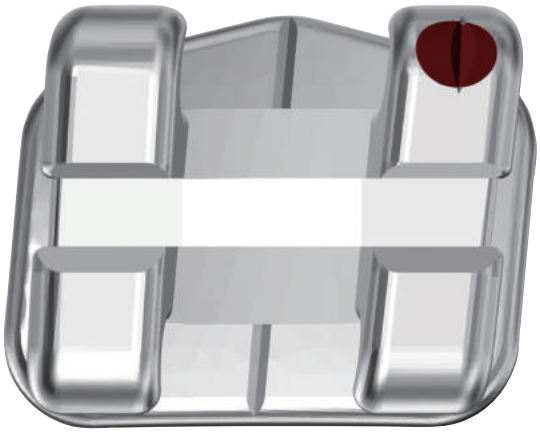
		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors 2 1 | 1 2		0°	0°	0°	3.0	L&R	**197-1110**	**197-1120**
Lower Cuspids 3 | 3		-11°	7°	0°	3.7	L	**197-311L**	**197-312L**
						R	**197-311R**	**197-312R**
						L	**197-313L**	**197-314L**
						R	**197-313R**	**197-314R**
Lower 1 st Bicuspids 4 | 4		-17°	0°	0°	3.4	L&R	**197-4130**	**197-4140**
Lower 2 nd Bicuspids 5 | 5		-22°	0°	0°	3.4	L&R	**197-5130**	**197-5140**

w/Hook

10 ea /PK

OMNI ARCH

The emergence of super-elastic Ti-Ni wire such as "Sentalloy", led to a revolutionary evolution in clinical orthodontics.
Not only does this technology use a light force to gently move teeth, but it also allows wires to be set in cases where there is a narrow inter-bracket span. This has resulted in a change from the trend toward narrow mesiodistal spans to a trend toward wider spans that favor rotation control.
"Omni Arch" brackets use a combination of mid-size design, low profile, and wedge base torque design.



Wedge Base Torque

In order to reduce occlusal interference and ensure sufficient tying area, high-gingival and low-occlusal tie wings are designed in the bracket. This is called wedge base torque. This new concept surpasses the torque in base design.

Advanced Materials

Bracket materials were selected for a combination of strength and resistance to corrosion.

Mid-Size

Compared to mini-size brackets, these mid-size brackets have a wider span and superior operability and aesthetics.

Low Profile

A low bracket height comparable to mini-size brackets has been achieved.

Formula-R (Roth Type) Maxillary Arch

In order to reduce occlusal interference and ensure sufficient tying area, high-gingival and low-occlusal tie wings are designed in the bracket, achieving a wedge base torque that is superior to torque in base.
A mid-size bracket design was selected based on consideration for the evolution of bracket spans and wires, for a metal bracket with both a low profile and improved tooth control. For the popular Dr. Roth type, the specifications allow the selection of vertical hooks (Accu Post) friendly to the periodontal tissue for the upper and lower teeth No. 3, 4, and 5.

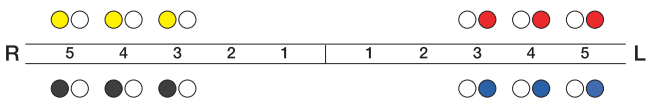
		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals 1 | 1		12°	5°	0°	3.8	L	**931-101L**	**931-102L**
						R	**931-101R**	**931-102R**
Upper Laterals 2 | 2		8°	9°	0°	3.0	L	**931-201L**	**931-202L**
						R	**931-201R**	**931-202R**
Upper Cuspids 3 | 3		-2°	10°	0°	3.0	L	**931-301L**	**931-302L** w/Post
						R	**931-301R**	**931-302R** w/Post
						L	**931-303L**	**931-304L**
						R	**931-303R**	**931-304R**
Upper 1st Bicuspids 4 | 4		-7°	0°	0°	3.0	L	**931-401L**	**931-402L** w/Post
						R	**931-401R**	**931-402R** w/Post
						L&R	**(w) 931-4030**	**(w) 931-4040**
Upper 2nd Bicuspids 5 | 5		-7°	0°	0°	3.0	L	**931-501L**	**931-502L** w/Post
						R	**931-501R**	**931-502R** w/Post
						L&R	**(w) 931-5030**	**(w) 931-5040**

10 ea /PK

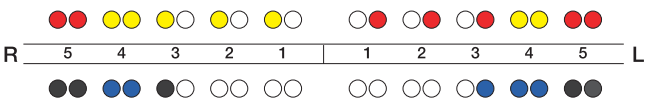
Formula-R (Roth Type) Mandibular Arch

COLOR CODING

《 With Hook 》



《 Without Hook 》



Note1: Brackets with right or left distinction, its tie wings are coded distogingival.
Note2: Universal brackets are coded on both distogingival and mesiogingival tie wings.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors 2 1 | 1 2		-1°	0°	0°	2.5	L&R	**931-1110**	**931-1120**
Lower Cuspids 3 | 3		-11°	7°	0°	3.0	L R L R	w/Post **931-311L** **931-311R** **931-313L** **931-313R**	w/Post **931-312L** **931-312R** **931-314L** **931-314R**
Lower 1st Bicuspids 4 | 4		-17°	0°	0°	3.0	L R L&R	w/Post **931-411L** **931-411R** (W) **931-4130**	w/Post **931-412L** **931-412R** (W) **931-4140**
Lower 2nd Bicuspids 5 | 5		-22°	0°	0°	3.0	L R L&R	w/Post **931-511L** **931-511R** (W) **931-5130**	w/Post **931-512L** **931-512R** (W) **931-5140**

10 ea /PK

Formula-M (McLaughlin Type*) Maxillary Arch

*Note: Does not imply endorsement by doctor.

In order to reduce occlusal interference and ensure sufficient tying area, high-gingival and low-occlusal tie wings are designed in the bracket, achieving a wedge base torque that is superior to torque in base.
A mid-size bracket design was selected based on consideration for the evolution of bracket spans and wires, for a metal bracket with both a low profile and improved tooth control. For the popular Dr. Roth type, the specifications allow the selection of vertical hooks (Accu Post) friendly to the periodontal tissue for the upper and lower teeth No. 3, 4, and 5.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals 1 | 1		17°	4°	0°	3.8	L R	**935-101L** **935-101R**	**935-102L** **935-102R**
Upper Laterals 2 | 2		10°	8°	0°	3.0	L R	**935-201L** **935-201R**	**935-202L** **935-202R**
Upper Cuspids 3 | 3		-7°	8°	0°	3.0	L R	w/Post ——— ———	**935-302L** **935-302R**
Upper 1st Bicuspids 4 | 4		-7°	0°	0°	3.0	L R L&R	w/Post ——— ——— ———	**935-402L** **935-402R** **935-4040**
Upper 2nd Bicuspids 5 | 5		-7°	0°	0°	3.0	L R L&R	w/Post ——— ——— ———	**935-502L** **935-502R** **935-5040**

10 ea /PK

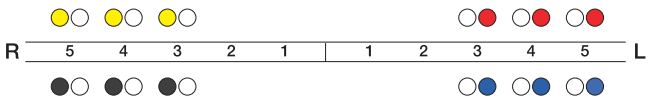
PRE-ADJUSTED APPLIANCES
OMNI ARCH

Formula-M (McLaughlin Type*) Mandibular Arch

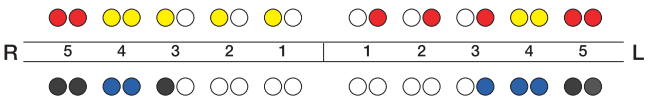
*Note: Does not imply endorsement by doctor.

COLOR CODING

《 With Hook 》



《 Without Hook 》



Note1: Brackets with right or left distinction, its tie wings are coded distogingival.
Note2: Universal brackets are coded on both distogingival and mesiogingival tie wings.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors 2 1 | 1 2		-6°	0°	0°	2.5	L&R	**935-1110**	**935-1120**
Lower Cuspids 3 | 3		-6°	3°	0°	3.0	L	———	w/Post **935-312L**
						R	———	**935-312R**
Lower 1st Bicuspids 4 | 4		-12°	2°	0°	3.0	L	———	w/Post **935-412L**
						R	———	**935-412R**
						L	———	**935-414L**
						R	———	**935-414R**
Lower 2nd Bicuspids 5 | 5		-17°	2°	0°	3.0	L	———	w/Post **935-512L**
						R	———	**935-512R**
						L	———	**935-514L**
						R	———	**935-514R**

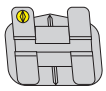
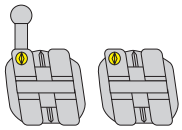
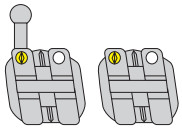
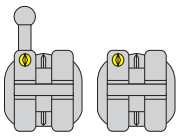
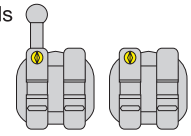
10 ea /PK

PRE-ADJUSTED APPLIANCES

MINI OMNI ARCH Formula-M (McLaughlin Type*)

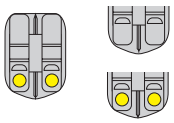
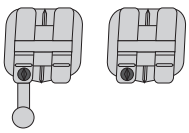
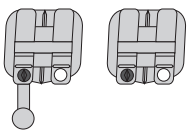
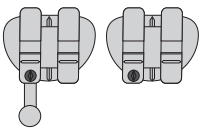
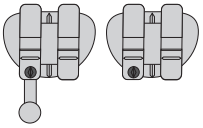
Maxillary Arch

*Note: Does not imply endorsement by doctor.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals 1 | 1		17°	4°	0°	3.4	L	———	9350-102L
						R	———	9350-102R
Upper Laterals 2 | 2		10°	8°	0°	2.6	L	———	9350-202L
						R	———	9350-202R
Upper Cuspids 3 | 3		-7°	8°	0°	2.6	L	———	w/Post 9350-302L
						R	———	9350-302R
						L	———	9350-304L
						R	———	9350-304R
		0°	8°	0°	2.6	L	———	w/Post 9350-306L
						R	———	9350-306R
						L	———	9350-308L
						R	———	9350-308R
Upper 1st Bicuspids 4 | 4		-7°	0°	0°	2.6	L	———	w/Post 9350-402L
						R	———	9350-402R
						L&R	———	9350-4040
Upper 2nd Bicuspids 5 | 5		-7°	0°	0°	2.6	L	———	w/Post 9350-502L
						R	———	9350-502R
						L&R	———	9350-5040

10 ea /PK

Mandibular Arch

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors 2 1 | 1 2		-6°	0°	0°	2.3	L&R	———	9350-1120
		0°	0°	0°	2.3	L&R	———	9350-1140
Lower Cuspids 3 | 3		-6°	3°	0°	2.6	L	———	w/Post 9350-312L
						R	———	9350-312R
						L	———	9350-314L
						R	———	9350-314R
		0°	3°	0°	2.6	L	———	w/Post 9350-316L
						R	———	9350-316R
						L	———	9350-318L
						R	———	9350-318R
Lower 1st Bicuspids 4 | 4		-12°	2°	0°	2.6	L	———	w/Post 9350-412L
						R	———	9350-412R
						L	———	9350-414L
						R	———	9350-414R
Lower 2nd Bicuspids 5 | 5		-17°	2°	0°	2.6	L	———	w/Post 9350-512L
						R	———	9350-512R
						L	———	9350-514L
						R	———	9350-514R

10 ea /PK

Microline

Microline Brackets

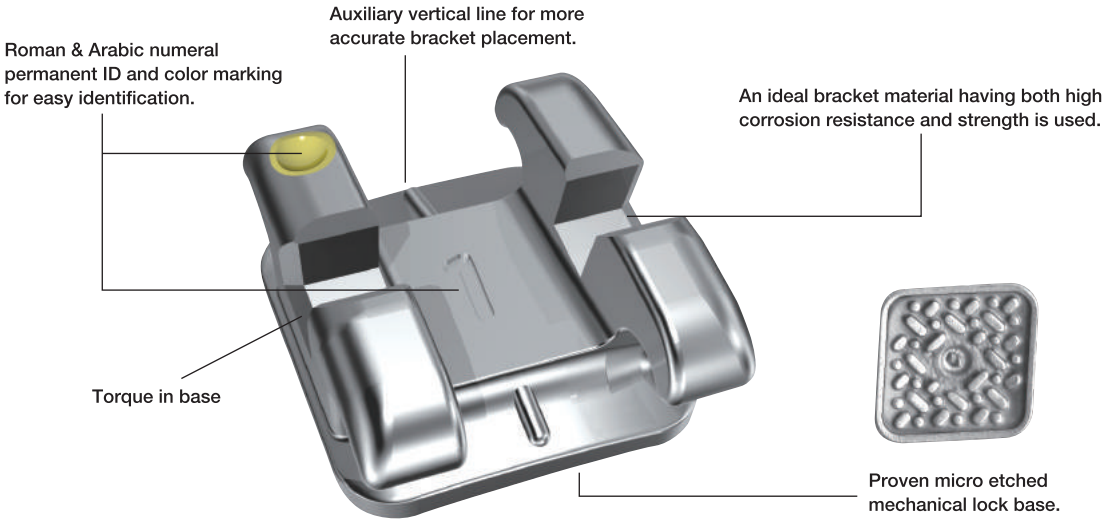
Tomy's Microline brackets utilizes the state of the art manufacturing technique of Metal Injection Molding (MIM) that creates a sturdy and strong single piece bracket system that is both economical and high quality.

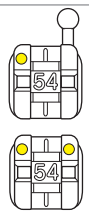
- Bonding Base – Pad-Base Micro-etched compound contoured bonding base for precise fit and secure bonding.
- Scribe Line and permanent ID with color coded provides accurate placement and easy identification.
- Brackets are Torque in the base for nicer initial alignment.
- Smooth, bright and clean finished appearance.
- Available in both Formula- R and Formula- M (McLaughlin Type*) prescriptions.

Microline Buccal Tubes

Tomy's Microline MIM single non-convertible buccal tubes with all the precise and matching feature qualities of the Microline brackets.

Formula-R (Roth Type) Maxillary Arch



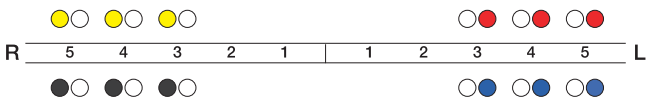
		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals 1 | 1		12°	5°	0°	3.2	L R	**944-101L** **944-101R**	**944-102L** **944-102R**
Upper Laterals 2 | 2		8°	9 °	0°	2.8	L R	**944-201L** **944-201R**	**944-202L** **944-202R**
Upper Cuspids 3 | 3		-2°	13°	0°	3.2	L R	w/Post **944-301L** **944-301R**	**944-302L** **944-302R**
Upper Bicuspids 5 4 | 4 5		-7°	0°	0°	3.0	L R L&R	w/Post **944-401L** **944-401R** **944-4030**	**944-402L** **944-402R** **944-4040**
Upper Molars 7 6 | 6 7		-10°	0°	6°D	4.4	L R	(W) **944-701L** (W) **944-701R**	(W) **944-702L** (W) **944-702R**

10 ea /PK

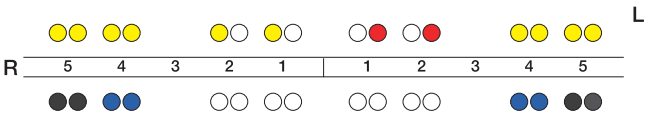
Formula-R (Roth Type) Mandibular Arch

COLOR CODING

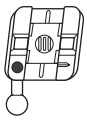
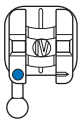
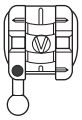
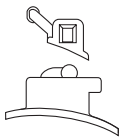
《 With Hook 》



《 Without Hook 》

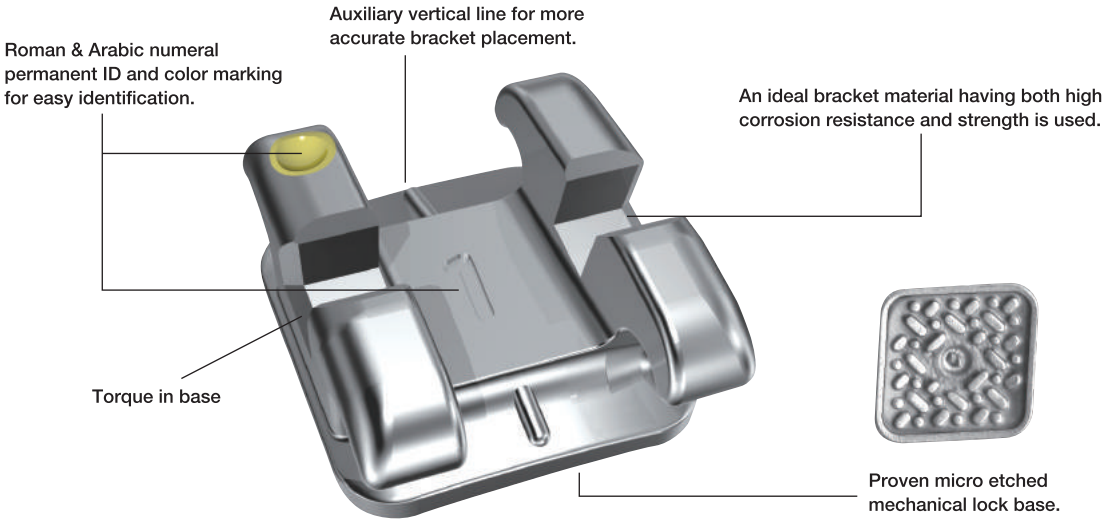


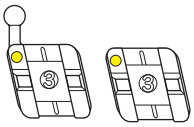
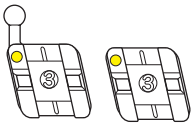
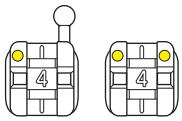
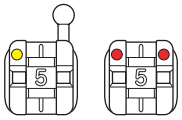
Note1: Brackets with right or left distinction, its tie wings are coded distogingival.
Note2: Universal brackets are coded on both distogingival and mesiogingival tie wings.

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors $\frac{2\,1\,\vert\,1\,2}{}$		-1°	0°	0°	2.5	L&R	**944-1110**	**944-1120**
Lower Cuspids $\frac{3\,\vert\,3}{}$		-11°	7°	0°	3.0	L R	w/Post **944-311L** **944-311R**	**944-312L** **944-312R**
Lower 1st Bicuspids $\frac{4\,\vert\,4}{}$	 	-17°	0°	0°	3.0	L R L&R	w/Post **944-411L** **944-411R** **944-4130**	**944-412L** **944-412R** **944-4140**
Lower 2nd Bicuspids $\frac{5\,\vert\,5}{}$	 	-22°	0°	0°	3.0	L R L&R	w/Post **944-511L** **944-511R** **944-5130**	**944-512L** **944-512R** **944-5140**
Lower Molars $\frac{7\,6\,\vert\,6\,7}{}$		-25°	0°	6°D	4.4	L R	(W) **944-711L** (W) **944-711R**	(W) **944-712L** (W) **944-712R**

10 ea /PK

Formula-M (McLaughlin Type*)

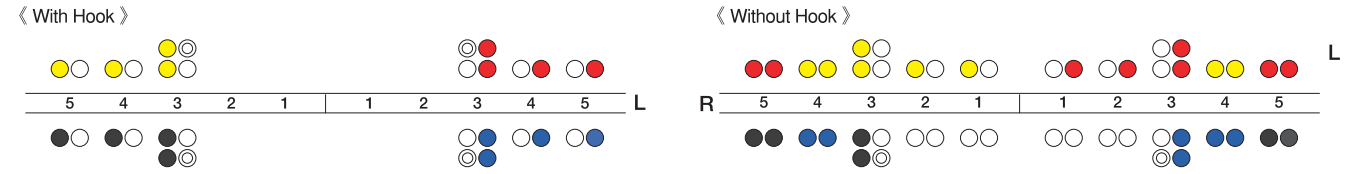


		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper Centrals 1 | 1		17°	4°	0°	3.2	L	9445-101L	9445-102L
						R	9445-101R	9445-102R
Upper Laterals 2 | 2		10°	8°	0°	2.8	L	9445-201L	9445-202L
						R	9445-201R	9445-202R
Upper Cuspids 3 | 3		-7°	8°	0°	3.0	L	w/Post 9445-301L	9445-302L
						R	9445-301R	9445-302R
						L	9445-303L	9445-304L
						R	9445-303R	9445-304R
		0°	8°	0°	3.0	L	w/Post 9445-305L	9445-306L
						R	9445-305R	9445-306R
						L	9445-307L	9445-308L
						R	9445-307R	9445-308R
Upper 1st Bicuspids 4 | 4		-7°	0°	0°	3.0	L	w/Post 9445-401L	9445-402L
						R	9445-401R	9445-402R
						L&R	9445-4030	9445-4040
Upper 2nd Bicuspids 5 | 5		-7°	0°	0°	3.0	L	w/Post 9445-501L	9445-502L
						R	9445-501R	9445-502R
						L&R	9445-5030	9445-5040
Upper Molars 7 6 | 6 7		-10°	0°	6°D	4.4	L	(W) 944-701L	(W) 944-702L
						R	(W) 944-701R	(W) 944-702R

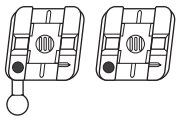
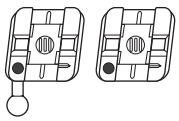
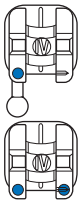
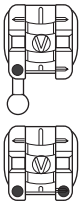
10 ea /PK

Formula-M (McLaughlin Type*)

COLOR CODING



Note1: Brackets with right or left distinction, its tie wings are coded distogingival.
Note2: Universal brackets are coded on both distogingival and mesiogingival tie wings.

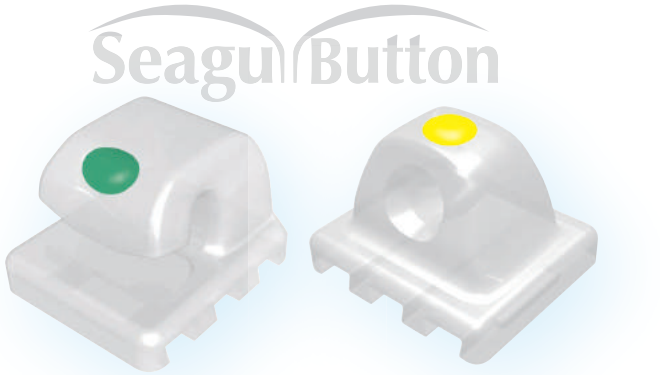
		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower Anteriors $\frac{21}{12}$		-6°	0°	0°	2.5	L&R	**9445-1110**	**9445-1120**
Lower Cuspids $\frac{3}{3}$		-6°	3°	0°	3.0	L	w/Post **9445-311L**	**9445-312L**
						R	**9445-311R**	**9445-312R**
						L	**9445-313L**	**9445-314L**
						R	**9445-313R**	**9445-314R**
		0°	3°	0°	3.0	L	w/Post **9445-315L**	**9445-316L**
						R	**9445-315R**	**9445-316R**
						L	**9445-317L**	**9445-318L**
						R	**9445-317R**	**9445-318R**
Lower 1st Bicuspids $\frac{4}{4}$		-12°	2°	0°	3.0	L	w/Post **9445-411L**	**9445-412L**
						R	**9445-411R**	**9445-412R**
						L	**9445-413L**	**9445-414L**
						R	**9445-413R**	**9445-414R**
Lower 2nd Bicuspids $\frac{5}{5}$		-17°	2°	0°	3.0	L	w/Post **9445-511L**	**9445-512L**
						R	**9445-511R**	**9445-512R**
						L	**9445-513L**	**9445-514L**
						R	**9445-513R**	**9445-514R**
Lower Molars $\frac{76}{67}$		-25°	0°	6°D	4.4	L	(W) **944-711L**	(W) **944-712L**
						R	(W) **944-711R**	(W) **944-712R**

10 ea /PK

SEAGULL BUTTON (Open & Close)

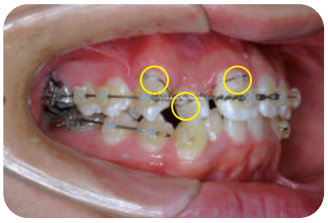
Supervising editor: Dr.Hajime Tamura

Utility attachment
Initial wire can be inserted easily.
For severe crowding where brackets cannot be attached.

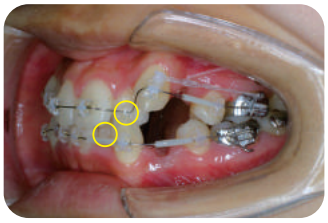


Special Features

- Also very useful for leveling.
- Can be used as lingual buttons and cleats.
- Perfect for controlling impacted and linguoversion teeth.
- A mechanical lock base has been adopted for bonding, allowing the use of any type of orthodontic adhesive.
- PC + PET hybrid plastic is used to provide intraoral durability and aesthetic appearance.


For sectional Arch


For brackets cannot be attached case


For heavy crowding


For linguoversion teeth

Open Type

Active wire size : .010 inch ~ .012 inch

601-47

Large Base

601-47LB

20 ea /PK

Close Type

Active wire size : .010 inch ~ .014 inch

601-48

Large Base

601-48LB

20 ea /PK

LINGUAL BUTTON

PLASTIC LINGUAL BUTTON

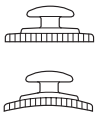
Mechanical lock base can be used with any orthodontic adhesive.

601-49 20 ea /PK

Height is maintained to a minimum and discomfort is reduced. Similar to the Esther MB plastic brackets and Seagull Buttons, PC + PET hybrid plastic is used to provide intraoral durability and aesthetic appearance.

MESH LINGUAL BUTTONS

BONDING

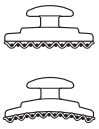


Flat Base
(For Anterior Teeth)
Curved Base
(For Molar Teeth)

601-01
601-02

20 ea /PK

BONDING



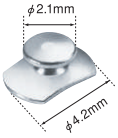
Flat Base
(For Anterior Teeth)
Curved Base
(For Molar Teeth)

601-04
601-05

20 ea /PK

WELDABLE LINGUAL BUTTONS

WELDING

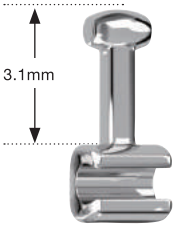


601-19

20 ea /PK

OPEN SURGICAL HOOK

Open Surgical Hooks can be easily crimped in the oral cavity using the special Tomy Surgical Hook Plier (801-4008).
Can be used for a wide range of other application such as hooks for intermaxillary fixation. .018 or .022 dual usage.



601-39 10 ea /PK

601-39B 100 ea /PK

short type

601-59 10 ea /PK

601-59B 100 ea /PK

SURGICAL HOOK PLIER

Special design of the Surgical Hook Plier's tip reduces wire distortion when crimping in the oral cavity.

801-4008

CRIMPABLE HOOKS

.018 **601-51** 10 ea /PK **601-51B** 100 ea /PK
Active wire size : .016 ~ .014 × .025

.022 **601-52** 10 ea /PK **601-52B** 100 ea /PK
Active wire size : .018 ~ .021 × .028

CRIMPABLE STOPS

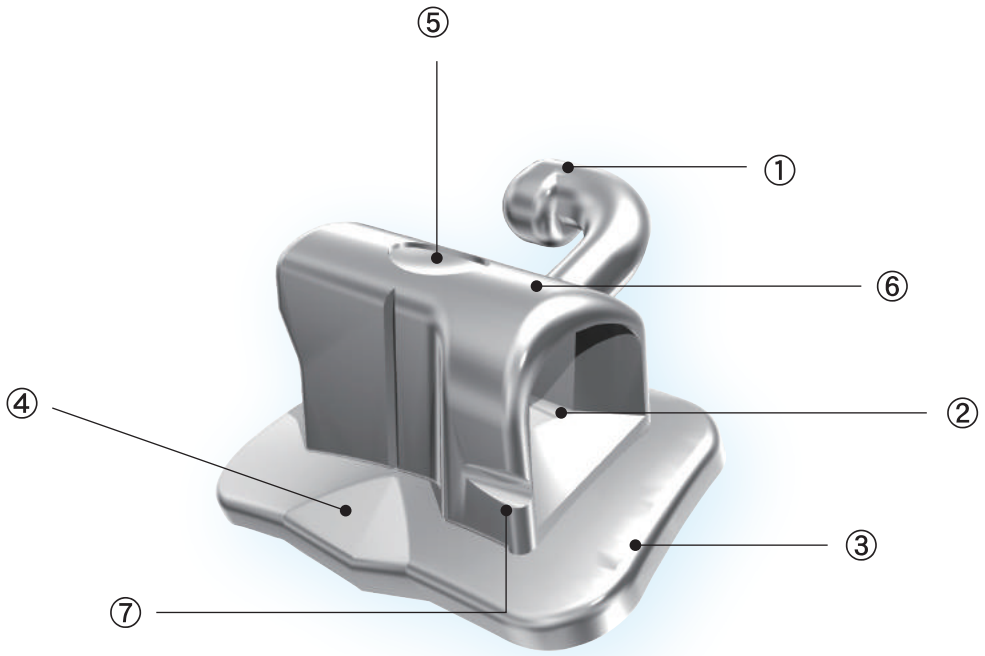
.018 **601-53** 10 ea /PK **601-53B** 100 ea /PK
Active wire size : .016 ~ .014 × .025

.022 **601-54** 10 ea /PK **601-54B** 100 ea /PK
Active wire size : .018 ~ .021 × .028

PREADJUSTED BUCCAL TUBES

TUBE DESCRIPTION

TOMY buccal tubes feature a combination of proprietary technology and know-how. Production lines that use a metal injection molding (MIM) method further improve the precision of these tubes. The smooth shape and low profile reduce patient discomfort, and ball hooks prevent the damage that can occur to soft tissue when using elastics. In addition, the embedded convertible cap maintains suitable strength, allowing wires to be inserted easily in the wide insertion areas. These buccal tubes offer the high quality that you have come to expect from **TOMY.**



① Hooks are specially designed to reduce interference with gingiva and improved operability.

② Widely chamfered insertion areas for easy wire insertion.

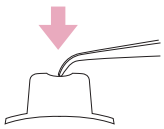
③ Torque in base.

④ Compound contour base to fit tooth.

⑤ The dimple is designed by TOMY for easy crimping with tweezers during bonding. When tack welding, the dimple prevents the tip of the electrode from slipping.

⑥ Low profile for patient's comfort.

⑦ For secured ligation that prevents ligature wire from sliding and blocking the wire slot during archwire insertion.

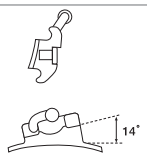
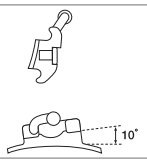


PREADJUSTED BUCCAL TUBES

MAXILLARY TUBES

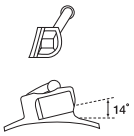
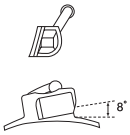
Convertible Single Tubes

WELDABLE

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper 1st Molars 6 | 6	Formula-R 	-10°	0°	14°D	3.8	L	W9010-607L	W9010-608L
						R	W9010-607R	W9010-608R
	Formula-M 	-14°	0°	10°D	3.8	L	W9050-607L	W9050-608L
						R	W9050-607R	W9050-608R

10 ea /PK

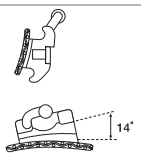
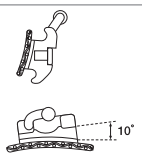
WELDABLE

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper 2nd Molars 7 | 7	Formula-R 	-14°	0°	14°D	3.6	L	W9010-701L	W9010-702L
						R	W9010-701R	W9010-702R
	Formula-M 	-19°	0°	8°D	3.6	L	W9050-703L	W9050-704L
						R	W9050-703R	W9050-704R

10 ea /PK

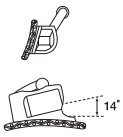
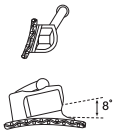
Convertible Single Tubes

BONDABLE

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper 1st Molars 6 | 6	Formula-R 	-10°	0°	14°D	3.8	L	9010-607L	9010-608L
						R	9010-607R	9010-608R
	Formula-M 	-14°	0°	10°D	3.8	L	9050-607L	9050-608L
						R	9050-607R	9050-608R

10 ea /PK

BONDABLE

		Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Upper 2nd Molars 7 | 7	Formula-R 	-14°	0°	14°D	3.6	L	9010-701L	9010-702L
						R	9010-701R	9010-702R
	Formula-M 	-19°	0°	8°D	3.6	L	9050-703L	9050-704L
						R	9050-703R	9050-704R

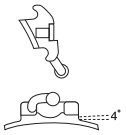
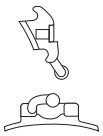
10 ea /PK

PREADJUSTED BUCCAL TUBES

MANDIBULAR TUBES

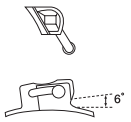
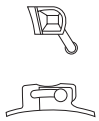
Convertible Single Tubes

WELDABLE

			Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower 1st Molars 6 | 6	Formula-R		-25°	0°	4°D	3.8	L	**W9040-615L**	**W9040-616L**
							R	**W9040-615R**	**W9040-616R**
	Formula-M		-10°	0°	0°	3.8	L	**W9080-617L**	**W9080-618L**
							R	**W9080-617R**	**W9080-618R**

10 ea /PK

WELDABLE

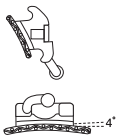
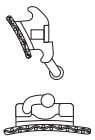
			Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower 2nd Molars 7 | 7	Formula-R		-30°	0°	6°D	3.6	L	**W9010-711L**	**W9010-712L**
							R	**W9010-711R**	**W9010-712R**
	Formula-M		-10°	0°	0°	3.6	L	**W9080-717L**	**W9080-718L**
							R	**W9080-717R**	**W9080-718R**

10 ea /PK

PREADJUSTED BUCCAL TUBES
MANDIBULAR TUBES

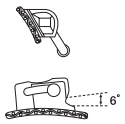
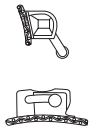
Convertible Single Tubes

BONDABLE

			Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower 1st Molars 6 | 6	Formula-R		-25°	0°	4°D	3.8	L	**9040-615L**	**9040-616L**
							R	**9040-615R**	**9040-616R**
	Formula-M		-10°	0°	0°	3.8	L	**9080-617L**	**9080-618L**
							R	**9080-617R**	**9080-618R**

10 ea /PK

BONDABLE

			Torque, Degrees	Angu., Degrees	Offset, Degrees	Span. mm	Left/ Right	.018"Slot	.022"Slot
Lower 2nd Molars 7 | 7	Formula-R		-30°	0°	6°D	3.6	L	**9010-711L**	**9010-712L**
							R	**9010-711R**	**9010-712R**
	Formula-M		-10°	0°	0°	3.6	L	**9080-717L**	**9080-718L**
							R	**9080-717R**	**9080-718R**

10 ea /PK

SEAMLESS BANDS

SERIES-1 Molar Bands

Right & Left

- SERIES-1 Molar bands has clear and distinguish markings between Right & Left, Upper & Lower.
- Size number at mesial, side from No.1 to No.30.

UL19

Quadrant and Size

Molar Right & Left

For Upper

For Lower

	Upper	Lower
	7 6 | 6 7	7 6 | 6 7
TRIAL KIT 100 bands (R&L. Size No.1~No.30)	**305-00** 100 ea /KIT	**306-00** 100 ea /KIT
STARTER KIT 200 bands (R&L. Size No.1~No.30)	**305-01** 200 ea /KIT	**306-01** 200 ea /KIT
MASTER KIT 400 bands (R&L. Size No.1~No.30)	**305-02** 400 ea /KIT	**306-02** 400 ea /KIT

REFILL

Upper Refill	(R&L. Size No.1~No.30)	Left Right	**344-01~30** **345-01~30**	5 ea /PK
Lower Refill	(R&L. Size No.1~No.30)	Left Right	**346-01~30** **347-01~30**	5 ea /PK

Band Kit Contains

Band size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Right & Left total
Trial	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	100 ea /KIT
Starter	4	4	4	4	4	4	4	6	6	6	8	8	8	8	8	10	10	10	10	10	8	8	8	8	8	6	6	4	4	4	200 ea /KIT
Master	8	8	8	8	8	8	8	12	12	12	16	16	16	16	16	20	20	20	20	20	16	16	16	16	16	12	12	8	8	8	400 ea /KIT

TOMY PAK WHITE WIRE SENTALLOY® 10 PACK

Super Elastic Nickel Titanium Wire

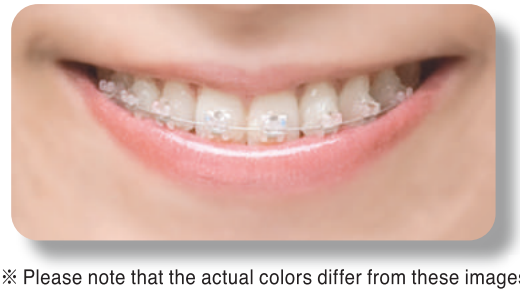
WHITE WIRE for even less visible correction

This rhodium-coated arch wire gives a clean look while maintaining the characteristics of the conventional wire.

The highly reflective metallic characteristics and diffuse light reflection of rhodium are what gives white wire its white tone.

The rhodium coating is extremely durable. There is no need to concern wire coating being chipped or peeled during brushing. It will also not discolored while eating.

Clippy-C + White Wire



※ Please note that the actual colors differ from these images.

WHITE WIRE (SENTALLOY , BIOFORCE SENTALLOY)

It's sliding performance and super-elasticity are equivalent to those of the conventional Ni-Ti wire. It's rhodium coating film is very thin hence does not affect optimal wire performance.

Sentalloy White

WIRE DIA Inches (mm)		Accu Form Upper	Accu Form Lower
.012 (0.30)	Medium(Yellow)	511-10C	511-60C
.014 (0.36)	Medium(Yellow)	511-11C	511-61C
.016 (0.41)	Medium(Yellow)	511-12C	511-62C
.018 (0.46)	Medium(Yellow)	511-13C	511-63C

10 ea /PK

Bio Force Sentalloy White

WIRE DIA Inches (mm)	Accu Form Upper	Accu Form Lower
.016 × .016 (0.41 × 0.41)	528-01C	528-51C
.016 × .022 (0.41 × 0.56)	528-02C	528-52C
.017 × .025 (0.43 × 0.64)	528-03C	528-53C
.018 × .018 (0.46 × 0.46)	528-04C	528-54C
.019 × .025 (0.48 × 0.64)	528-06C	528-56C
.020 × .020 (0.51 × 0.51)	528-07C	528-57C

10 ea /PK

WHITE WIRE (STAINLESS STEEL)

The rhodium coating film is extremely thin, allowing normal wire bending.
Of course, there is no need to worry about the coating coming off.

Stainless White

WIRE DIA Inches (mm)	Accu Form Upper	Accu Form Lower
.016 (0.41)	551-02C	551-52C
.018 (0.46)	551-03C	551-53C
.016 × .016 (0.41 × 0.41)	553-01C	553-51C
.016 × .022 (0.41 × 0.56)	553-02C	553-52C
.017 × .025 (0.43 × 0.64)	553-03C	553-53C
.019 × .025 (0.48 × 0.64)	553-06C	553-56C

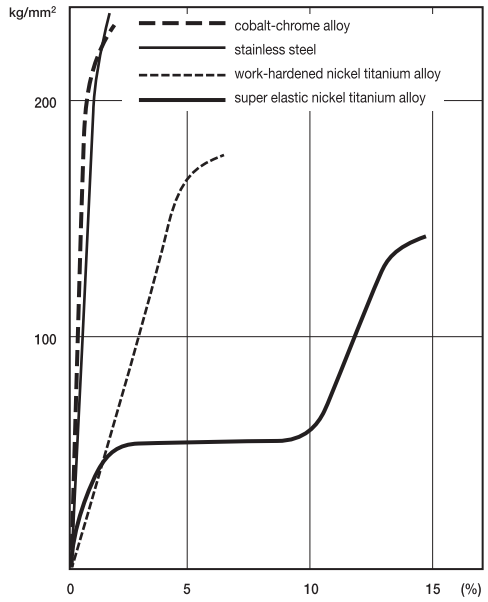
10 ea /PK

ARCH WIRES

Sentalloy wires represent the pinnacle of developement in Nickel Titanium archwire technology.
Sentalloy's unique super-elastic and shape-memory qualities combine to produce predictable and continuous light forces which help reduce chair and treatment times while improving patient comfort.

Sentalloy wires out-perform all other nickel titanium wires. Most other NiTi wires are made from work-hardened alloys and although they have lower moduli of elasticity than stainless steel and cobalt chrome wires(refer to the stress-strain graph), their forces vary in proportion to the degree of deflection.
Sentalloy wires produce constant forces over a wide range of deflection(see Load-Deflection curves overleaf) The most recent development in Sentalloy wires; Bioforce Sentalloy is revolutionary in the sphere of NiTi wires. Not only does the wire produce optimal biological forces, it's forces delivered by each segment of the archwire also differ according to the correct amount of force required for the movement of each tooth.

Stress-Strain Curve

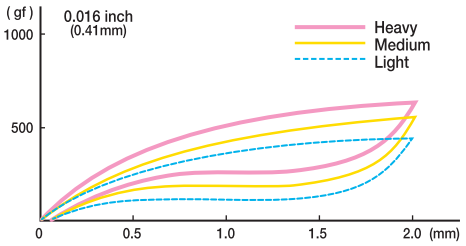


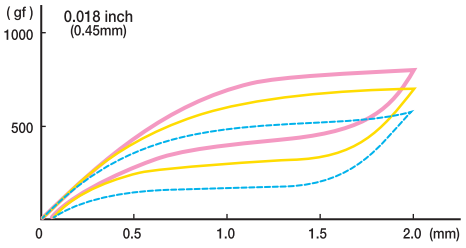
This graph shows each wire's tensile test results. The sentalloy archwire is compared to chrome-cobalt and stainless steel wires which both have low moduli of elasticity. With increased stress Sentalloy maintains its super-elasticity, whereas the other wires show marked differences in their curves. In short, stress remains constant when strain is increased even when strain is extended from 2% to 8%.

PLEASE NOTE :
Sentalloy archwires are thermodynamic and becomes active at 34 degrees Celsius. Although Sentalloy wires may appear to take a permanent bend at room temperature, they will resume the correct arch shape when placed in the mouth.

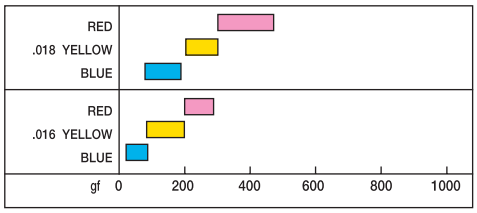
Load Deflection Curve by Three Prong Bend Test

This graph shows the load-deflection curve for each diameter and type of Sentalloy arch wire after introducing a 2mm deformation across a 14mm span at 37℃





Super Elasticity Range

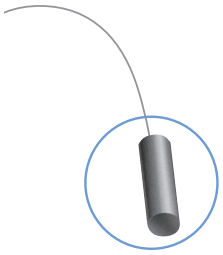


The graph shows the deflection curve for each diameter and type of Sentalloy arch wire after introducing a 2mm deformation across a 14mm span at 37℃.

ARCH WIRES

- Low friction-Sentalloy wires have extremely smooth,polished surfaces minimizing friction between the bracket slot and the archwire,thus faclitating quick and comfortable tooth movement.
- "Optimal force-Continuous light forces maximize the activity of osteoclasts and osteoblasts,creating ideal biological conditions for tooth movement.
- Versatility-There is a suitable wire for every purpose.Round wires are available in five different dimensions and rectangular wires in six dimensions,furthermore,each type of wires is available with differing force values:light,medium and heavy for round,and heavy for rectangular.The optimal orthodontic force can therefore be chosen to meet requirements of each patient.

Round Arch



WIRE DIA Inches (mm)		Standard Upper	Standard Lower	Accu Form Upper	Accu Form Lower
.012 (0.30)	Light (Blue)	———	———	———	———
	Medium (Yellow)	———	———	**511-10**	**511-60**
	Heavy (Red)	———	———	———	———
.014 (0.36)	Light (Blue)	**510-01**	**510-51**	**511-01**	**511-51**
	Medium (Yellow)	**510-11**	**510-61**	**511-11**	**511-61**
	Heavy (Red)	**510-21**	**510-71**	**511-21**	**511-71**
.016 (0.41)	Light (Blue)	**510-02**	**510-52**	**511-02**	**511-52**
	Medium (Yellow)	**510-12**	**510-62**	**511-12**	**511-62**
	Heavy (Red)	**510-22**	**510-72**	**511-22**	**511-72**
.018 (0.46)	Light (Blue)	**510-03**	**510-53**	**511-03**	**511-53**
	Medium (Yellow)	**510-13**	**510-63**	**511-13**	**511-63**
	Heavy (Red)	**510-23**	**510-73**	**511-23**	**511-73**
.020 (0.51)	Light (Blue)	**510-04**	**510-54**	**511-04**	**511-54**
	Medium (Yellow)	**510-14**	**510-64**	**511-14**	**511-64**
	Heavy (Red)	**510-24**	**510-74**	**511-24**	**511-74**

10 ea /PK

NEO SENTALLOY
Super Elastic
Nickel Titanium Alloy

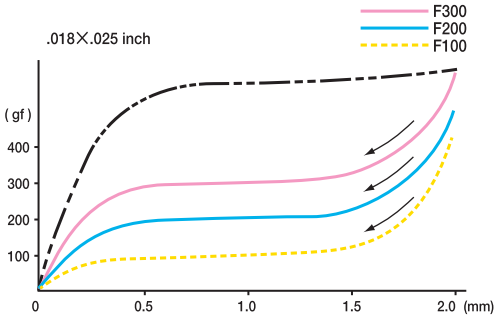
ARCH WIRES

Neo Sentalloy, with its extraordinary super-elastic qualities, is the ideal archwire.
It efficiently affects tooth movement with constant gentle forces until the finish.

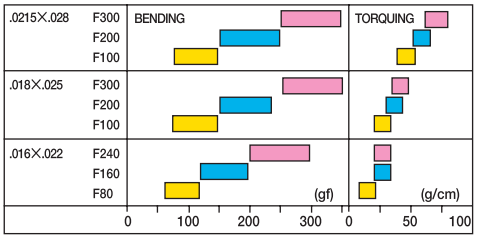
Neo Sentalloy is a revolutionary archwire which will significantly help reduce chairside and treatment time. Neo-Sentalloy is a full-sized rectangular initial archwire. It is so soft and flexible that it can be ligated into severly malposed teeth with complete confidence, allowing you to gain the benefit of the activations in your brackets from day one. In adults, even if the periodontium is compromised, Neo-Sentalloy can be used with confidence. It is also ideal for use with ceramic brackets, or for mandibular anterior teeth where the inter-bracket distance is small. Tooth movement is further facilitated by the low-friction qualities of the wire. Unlike braided wire which can fray when cut, Neo-Sentalloy will not trap food debris. Neo-Sentalloy wires are available in eight dimensions. Each wire size comes in three colour-coded force levels ranging from 80 to 300 grams allowing you to select the appropriate wire for each patient's needs.

Load Deflection Curve by Three Prong Bend Test

This graph illustrates the retraction forces of the three different grades of Neo-Sentalloy after introducing a 2 mm deformation across a 14 mm span at 37℃ .



Super Elasticity Range



The above graph demonstrates a 2 mm deformation across a 14 mm span at 37℃ .

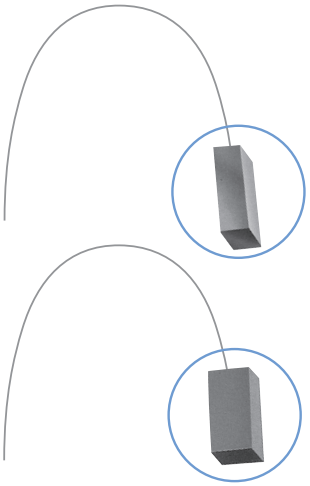
The graph also demonstrates the super elasticity range across a 5 mm span,after applying a 10 degree torque.

PLEASE NOTE :
Neo-Sentalloy archwires are thermodynamic and becomes active at 34 degrees Celsius.
Although Neo-Sentalloy wires may appear to take a permanent bend at room temperature, they will resume the correct arch shape when placed in the mouth.

NEO SENTALLOY
Super Elastic
Nickel Titanium Alloy

ARCH WIRES

- This extremely soft rectangular wire can also be used as initial wire. Three-dimensional control is possible from the initial period of treatment.
- There is nearly no elasticity when used at low temperature. With this properties, it allows to be applied to cases of severe crowding.
- In adults, even if the periodontium is compromised, Neo-Sentalloy can be used with confidence.
- The surface finishing is extremely smooth in comparison with other conventional Ti-Ni alloy wires, resulting in little friction with the bracket slots and smooth tooth movement.



WIRE DIA Inches (mm)	Force	Accu Form Upper	Accu Form Lower
.016 x .016 (0.41 x 0.41)	F80 (Black)	**523-01**	**523-51**
	F160 (Green)	**523-11**	**523-61**
	F240 (White)	**523-21**	**523-71**
.016 x .022 (0.41 x 0.56)	F80 (Black)	**523-02**	**523-52**
	F160 (Green)	**523-12**	**523-62**
	F240 (White)	**523-22**	**523-72**
.017 x .025 (0.43 x 0.64)	F100 (Black)	———	———
	F200 (Green)	**523-13**	**523-63**
	F300 (White)	———	———
.018 x .018 (0.46 x 0.46)	F100 (Black)	———	———
	F200 (Green)	**523-14**	**523-64**
	F300 (White)	———	———
.018x.025 (0.46x0.64)	F100 (Black)	**523-05**	**523-55**
	F200 (Green)	**523-15**	**523-65**
	F300 (White)	**523-25**	**523-75**
.019 x .025 (0.48 x 0.64)	F100 (Black)	———	———
	F200 (Green)	**523-16**	**523-66**
	F300 (White)	———	———
.020 x .020 (0.51 x 0.51)	F100 (Black)	———	———
	F200 (Green)	**523-17**	**523-67**
	F300 (White)	———	———
.0215 x .028 (0.55 x 0.71)	F100 (Black)	**523-08**	**523-58**
	F200 (Green)	**523-18**	**523-68**
	F300 (White)	**523-28**	**523-78**

10 ea /PK

BIOFORCE SENTALLOY
Super Elastic
Nickel Titanium Alloy

ARCH WIRES

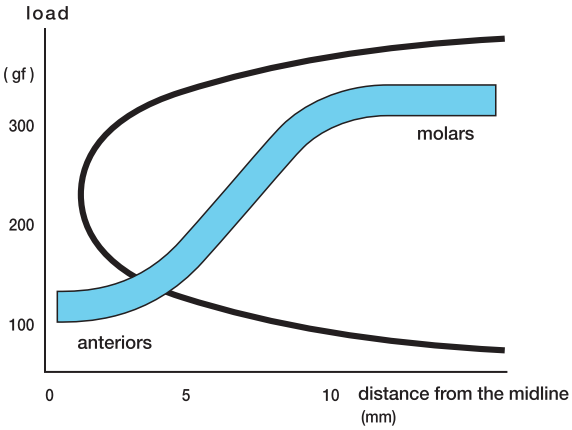
What makes the super Elastic NiTi arch wire-Bio Force Sentalloy-special ?
Amazingly enough, its orthodontic force varies with the point on the arch such as 100-150 grams for anteriors, 150-250 grams for laterals and 250-350 grams for molars. In a nutshell, BioForce Sentalloy can provide optimal three dimensional biological force to each tooth when at body temperature.

BioForce Sentalloy is the biological arch wire with orthodontic forces that gradually increase toward the posteriors. It releases the relatively weak orthodontic force to the small dental arch while exerting the strong one to molars in the large arch.

There is no orthodontic force break around cuspids due to the continuous increase of orthodontic force. Orthodontic force break, a so-called "discontinuous point", may cause failure such as unexpected bodily movement and arch wire breakage.

For the first time, anterior crowding space closure of cuspids, bicuspids and the anchorage effect of a molar can be treated by a single wire.

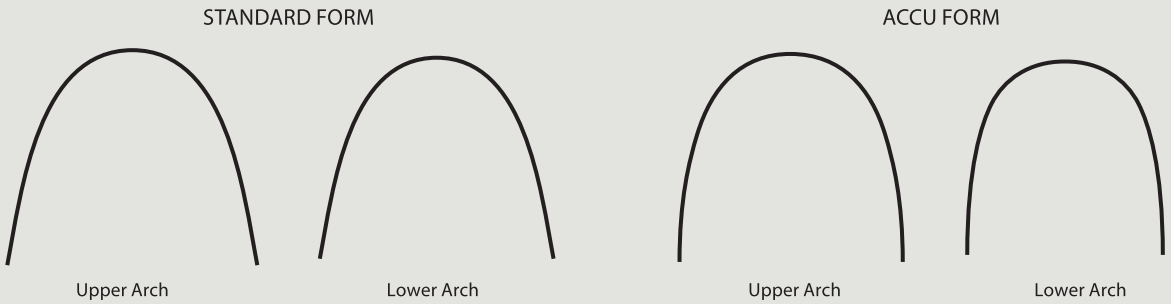
Recovery strength after three point bending



The graph demonstrates the recovery strength of respective zones after a 2 mm three point bending test across a 14mm span at body temperature. As shown on the graph, the orthodontic force for anteriors is 100-150 grams and 300-350 grams for molars.
This variety of orthodontic force provides the optimal force to each tooth.

ARCH WIRE FORM

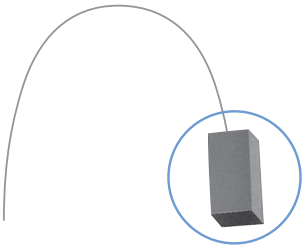
SENTALLOY / NEO SENTALLOY / BIOFORCE SENTALLOY / L&H TITAN



BIOFORCE SENTALLOY Super Elastic Nickel Titanium Alloy

ARCH WIRES

- With anteriors, despite crowding or rotation, wire ligation can be easily performed since Bioforce Sentalloy releases an ideal orthodontic force equal to that of F100 Neo Sentalloy. This low near constant force can also diminish treatment discomfort.
- With cuspids and bicuspids, BioForce maintains the orthodontic force equal to F200 Neo Sentalloy, which can minimize tipping and rotation during space closure.
- With molars, the anchorage effect can be secured due to its orthodontic force equal to F300 Neo Sentalloy. Accordingly, replacement of an arch wire is rarely necessary until detailing is needed.



WIRE DIA Inches (mm)	Accu Form Upper	Accu Form Lower
.016 x .016 (0.41 x 0.41)	528-01	528-51
.016 x .022 (0.41 x 0.56)	528-02	528-52
.018 x .018 (0.46 x 0.46)	528-04	528-54
.018 x .025 (0.46 x 0.64)	528-05	528-55
.019 x .025 (0.48 x 0.64)	528-06	528-56
.020 x .020 (0.51 x 0.51)	528-07	528-57
.0215 x .028 (0.55 x 0.71)	528-08	528-58

10 ea /PK

L&H TITAN Nickel Titanium Alloy

ARCH WIRES

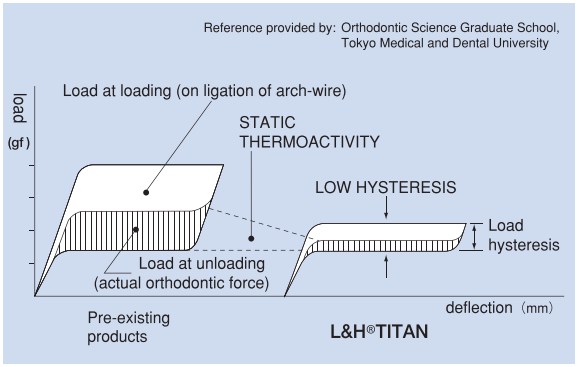
'Super-elastic Ni-Ti Alloy Wire' is widely used by clinical orthodontic treatments because it has excellent elasticity that maintains the load-deflection curve. Usually this kind of wire demonstrates elasticity by changing its crystal structure from austenitic to martensitic phase when altered by force .Although it has 'shape memory' function, this wire does change its shape when the temperature changes. Patients wearing the 'Super-elastic wire' reported that the wire gets tighter when they have hot drinks such as coffee or tea. Outside influences such as food that raise the intra-oral temperature above the normal 37˚C setting will over-exert the orthodontic force. In order to solve this problem, we changed the heat treatment temperature and time of the pre-existing Ni-Ti Alloy Wire, and used a special heat treatment that allows stabilized orthodontic force to be exerted. As a result, we are introducing a new arch-wire that will not be affected by intra-oral temperature change and has a low hysteresis (differences between loaded and unloaded cases)

Static Thermoactivity

Compare to pre-existing Ni-Ti wires, the new Ni-Ti arch-wire has a 17% narrower range of load change when intra-oral temperature changes. Therefore, it is possible to keep the orthodontic force to a constant level during active treatment.

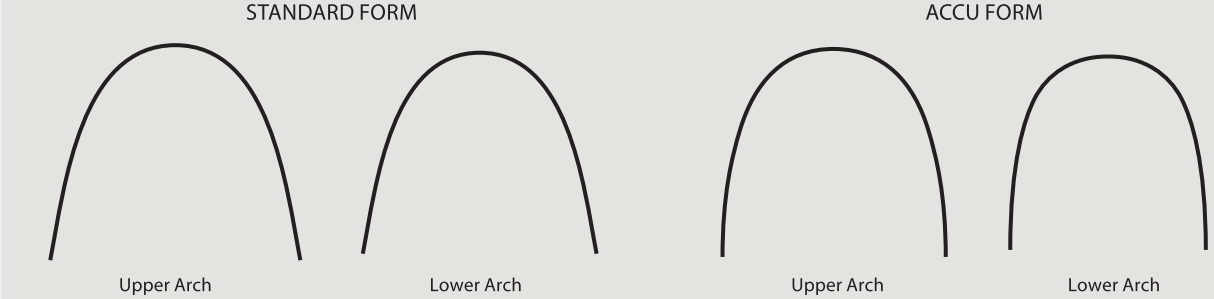
Low Hysteresis

Compare to pre-existing products, it has become possible to reduce load hysteresis by 50% in the new products. Ligation work has become easier with the new wire because reaction force is delayed at the time of arch wire insertion (please refer to the load-deflection graph on the left)



ARCH WIRE FORM

SENTALLOY / NEO SENTALLOY / BIOFORCE SENTALLOY / L&H TITAN

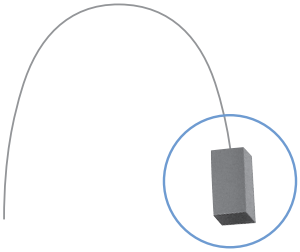


WIRES & WIRE PRODUCTS

L&H TITAN Nickel Titanium Alloy

ARCH WIRES

- This special heat treated super-elastic Ni-Ti alloy wire will not be affected with temperature changes in the mouth due to hot or cold drinks hence allowing stable orthodontic forces to work effectively.
- Due to its low hysteresis, reaction force is delayed at the time of arch wire insertion, this allows ligation works to be much easier.
- Extremely smooth surface finish of the wire minimizes friction.



WIRE DIA Inches (mm)	Standard		Accu Form	
	Upper	Lower	Upper	Lower
.016 x .022 (0.41 x 0.56)	524-12	524-62	525-12	525-62
.018 x .025 (0.46 x 0.64)	524-15	524-65	525-15	525-65
.020 x .025 (0.51 x 0.64)	524-19	524-69	525-19	525-69

10 ea /PK

SOARER-XR

(two pairs of pliers included)

901-0401

Our Super-elastic Ni-Ti alloy, L&H Titan and Sentalloy, has a superior spring-back feature, therefore, the pre-existing method of bending and modifying arch-wires by pliers or by fingers in room temperature had been difficult. However, when the super-elastic Ni-Ti Alloy is heated to about 500°C, the shape can be modified and it has the property to 'memorize' the shape altered. Our Soarer-XR made use of this property and made it easier to modify the Ni-Ti alloy wire. (Note: DERHT method) This is a method which electricity pass through the wire directly, and the shape can be altered when the resistance heat is produced. Soarer-XR does not damage he superior spring-back feature of L&H Titan and Sentalloy, therefore, doctors will find it to be very beneficial for clinical use.

Note : DERHT method=the direct electric resistance heat treatment method

- The instrument is equipped with CPU for efficient and reliable performance.
- Applicable to a world-wide line voltage. (AC100 - 240V, 50/60Hz)
- ON/OFF heat activation with a non-contact infra-red sensor.

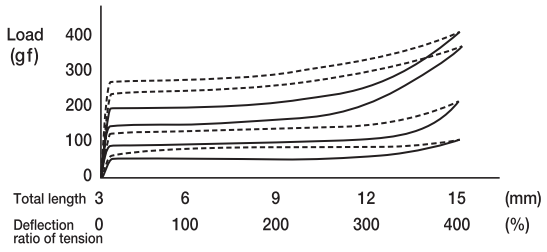
COIL SPRINGS

Due to their exceptional super-elasticity, Sentalloy coil springs simplify and accelerate the opening and closure of inter-proximal spaces by maintaining a constant force without the need for re-activation.

- There is no permanent deformation. This makes activation unnecessary.
- The characteristics of the super-elastic Ni-Ti alloy provide a uniform force regardless of tooth movement distance. (Characteristics within the effective range.)

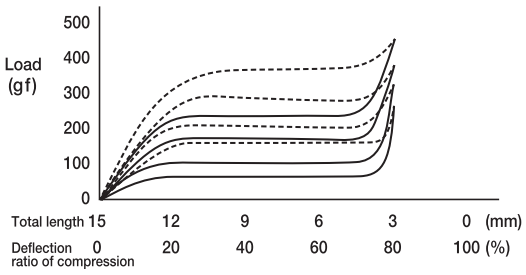
Load-Deflection Curve of Closed Coil Spring

The initial effective length is 3mm.
The length can be stretched to 15mm without permanent wire deformation. The graph shows the force delivered as the spring retracts from the stretched length of 15mm, to the original length of 3mm. Throughout the 12mm movement, the force remains almost constant and will not decrease even when the spring returns to the original position due to pretension.



Load-Deflection Curve of Open Coil Spring

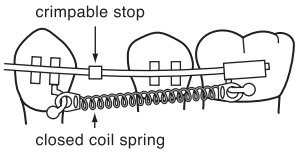
The initial free length is 15 mm and the compressed length of 3 mm, the spring can be extended to 12 mm. Over this 9 mm range, the spring can deliver an almost constant force without permanent deformation of the coil. (The "initial free length" is the distance from end to end before the spring is activated.)



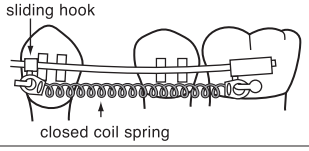
Using the Closed Coil Spring

Canine Retraction

1. Connect the Accupost of the cuspid bracket to the buccal tube hook using a closed coil spring.

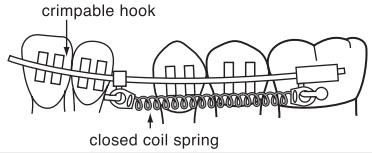


2. Set the sliding hook on the mesial side of the canine. The hook must be allowed to move along the archwire. Attached the closed coil spring to connect the sliding hook and the first molar hook.



Anterior Retraction

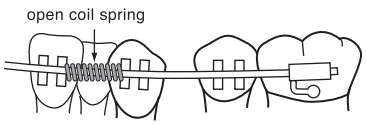
Crimp the sliding hook distal of the lateral(using the sliding hook as a tieback hook) Attach the closed coil spring to connect the tieback hook and the first molar hook.



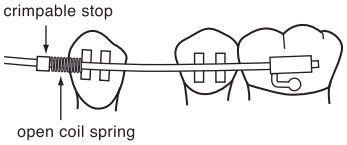
Using the Open Coil Spring

Canine Retraction

1. Set the open coil spring between the central incisor and the canine.

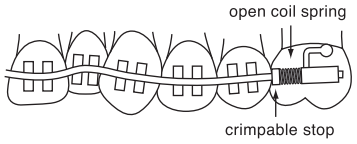


2. Crimp the stop tube mesial to the canine and activate the coil spring.



Unravelling the Anteriors while Distalizing the Molar

Set the open coil spring mesial of the first molar, crimp the stop tube and activate.



COIL SPRINGS

Open Coil Springs (Compression Coils)

	LOAD (gf)	WIRE DIA Inches (mm)	ARBOR DIA Inches (mm)	
Extra Light (Black)	50g	.009 (0.23)	.036 (0.9)	**509-10**
Light (Blue)	100g	.010 (0.26)	.036 (0.9)	**509-11**
Medium (Yellow)	150g	.010 (0.26)	.036 (0.9)	**509-12**
Heavy (Red)	200g	.011 (0.28)	.036 (0.9)	**509-13**

10 ea /PK

Closed Coil Springs (Tension Coils)

	LOAD (gf)	WIRE DIA Inches (mm)	ARBOR DIA Inches (mm)	
Ultra Light (Purple)	25g	.009 (0.23)	.036 (0.9)	**509-29**
Extra Light (Black)	50g	.009 (0.23)	.036 (0.9)	**509-20**
Light (Blue)	100g	.009 (0.23)	.036 (0.9)	**509-21**
Medium (Yellow)	150g	.010 (0.26)	.036 (0.9)	**509-22**
Heavy (Red)	200g	.010 (0.26)	.036 (0.9)	**509-23**

10 ea /PK

Closed Coil Springs,w/Ligature (Tension Coils)

	LOAD (gf)	WIRE DIA Inches (mm)	ARBOR DIA Inches (mm)	
Light (Blue)	100g	.009 (0.23)	.036 (0.9)	**509-31**
Medium (Yellow)	150g	.010 (0.26)	.036 (0.9)	**509-32**
Heavy (Red)	200g	.010 (0.26)	.036 (0.9)	**509-33**

10 ea /PK

36 Assorted Kit

KIT CONTENTS		
Open coil spring	509 -11・12・13	4 of each
Closed coil spring	509 -21・22・23	4 of each
Closed coil spring w/Ligature	509 -31・32・33	4 of each

509-00

36 ea /KIT

Stop Wound Coil Springs (Compression Coils)

	LOAD (gf)	WIRE DIA Inches (mm)	ARBOR DIA Inches (mm)	
Light (Blue)	100g	.010 (0.26)	.036 (0.9)	**509-41**
Medium (Yellow)	150g	.010 (0.26)	.036 (0.9)	**509-42**
Heavy (Red)	200g	.011 (0.28)	.036 (0.9)	**509-43**

185 mm length 2 ea /PK

Spooled Open coils

	LOAD (gf)	WIRE DIA Inches (mm)	ARBOR DIA Inches (mm)	
Ultra Light (Pink)	25g	.009 (0.23)	.036 (0.9)	**509-69**
Light (Blue)	100g	.010 (0.26)	.036 (0.9)	**509-61**
Medium (Yellow)	150g	.010 (0.26)	.036 (0.9)	**509-62**

38 cm /SPOOL

PEAK-COAT

PEEK (Polyether ether Ketone)

PEEK is a colorless organic thermoplastic polymer which has excellent mechanical and chemical resistant properties, making it an excellent choice for aesthetic orthodontics as it is highly durable and will not stain from food or drink.

Tomy's PEAK-COAT products utilize these excellent PEEK properties that is durable, robust with superior aesthetics appearance that will not stain during the entire treatment time.

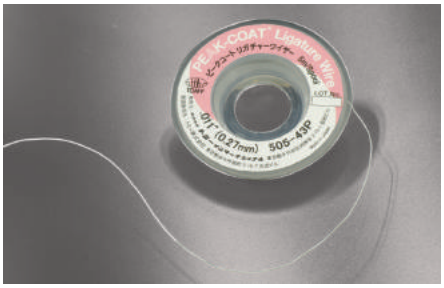
Twist Tie

Crystaline 7 + BIOFORCE SENTALLOY

PEAK-COAT Twist Tie

Crystaline 7 + BIOFORCE WHITE WIRE

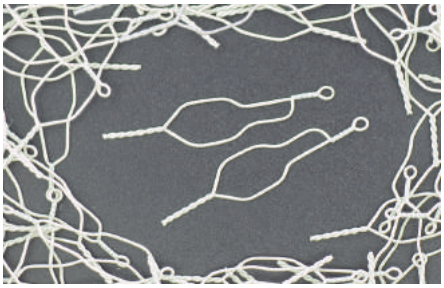
※ Please note that the actual colors differ from these images.



PEAK-COAT Spooled Ligature Wire

WIRE DIA : .011 inch **505-43P**

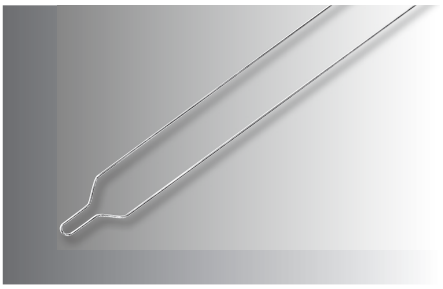
5 m /PK



PEAK-COAT KOBAYASHI Twist Tie

WIRE DIA : .013 inch **506-36P**

100 ea /PK



PEAK-COAT Preformed Ligature Wire

WIRE DIA : .011 inch **506-03P**

100 ea /PK

PEAK-COAT Twist Tie

WIRE DIA : .011 inch **506-13P**

100 ea /PK

PEAK-COAT SS Open Coil Spring

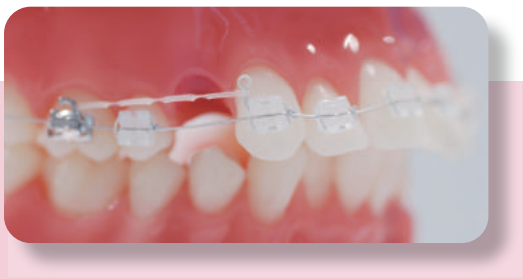
WIRE DIA : .011 inch

Coil inner DIA: 0.36 inch **508-49P**

355 mm × 3 ea /PK

PEAK-COAT KOBAYASHI Twist Tie

Crystaline 7 + BIOFORCE WHITE WIRE



PEAK-COAT SS Open Coil Spring

Crystaline 7 + BIOFORCE WHITE WIRE

ELASTICS

Intraoral Elastics

Elastics (10 pouches/PK)

Size	Light	Medium	Heavy	Super Heavy
3 mm (1/ 8")	L3 610-03	M3 620-03	H3 630-03	
4 mm (5/32")	L4 610-04	M4 620-04	H4 630-04	
5 mm (3/16")		M5 620-05	H5 630-05	SH5 630-85
6 mm (1/ 4")	L6 610-06	M6 620-06	H6 630-06	SH6 630-86
8 mm (5/16")	L8 610-08	M8 620-08	H8 630-08	SH8 630-88
10 mm (3/ 8")	L10 610-10	M10 620-10	H10 630-10	
16 mm (5/ 8")	L16 610-16			

10 pouches /PK (1 pouch=100 EA)

Elastics (50 pouches/PK)

Size	Light	Medium	Heavy	Super Heavy
3 mm (1/ 8")	L3 611-03	M3 621-03	H3 631-03	
4 mm (5/32")	L4 611-04	M4 621-04	H4 631-04	
5 mm (3/16")		M5 621-05	H5 631-05	SH5 631-85
6 mm (1/ 4")	L6 611-06	M6 621-06	H6 631-06	SH6 631-86
8 mm (5/16")	L8 611-08	M8 621-08	H8 631-08	SH8 631-88
10 mm (3/ 8")	L10 611-10	M10 621-10	H10 631-10	
16 mm (5/ 8")	L16 611-16			

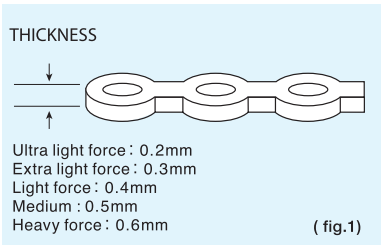
50 pouches /PK (1 pouch=100 EA)

Forces & Countries

Rated Gram Pull (3×Slack dia.) / Slack dia.	INTRAORAL			
	LIGHT 57gf(2.0oz.)	MEDIUM 85gf(3.0oz.)	HEAVY 113gf(4.0oz.)	SUPER HEAVY 170gf(6.0oz.)
3 mm (1 /8 ")	L3 Australia	M3 Germany	H3 India	
4 mm (5/32")	L4 Netherlands	M4 Mexico	H4 Switzerland	
5 mm (3/16")		M5 Russia	H5 Singapore	SH5 Brazil
6 mm (1 /4 ")	L6 China	M6 U.S.A.	H6 Japan	SH6 Thailand
8 mm (5/16")	L8 Canada	M8 Italy	H8 Sweden	SH8 Korea
10 mm (3/8")	L10 England	M10 Spain	H10 France	
12 mm (1/2")				
16 mm (5 /8 ")	L16 Ireland			
18 mm (11 /16 ")				

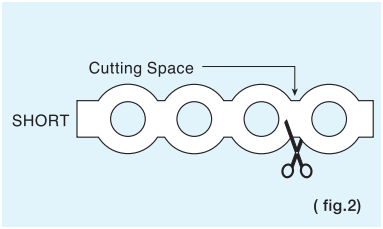
Super Chain

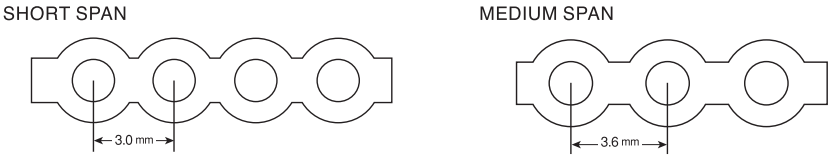
Made from thermosetting polyurethane which has a beneficial effect on enduring strength and colorfast.



	Ultra light force	Extra light force	Light force	Medium force	Heavy force
Short span	637-90	637-00	637-10	637-20	637-30
Medium span	637-91	637-01	637-11	637-21	637-31

2 m /SPOOL





- Five thicknesses are available. You can select the optimum form for each case. (See Fig. 1.)
- A cutting space has been made available even on short span types, to prevent chain loss. (See Fig. 2.)
- This model is available only in a clear color variation.

Bird Beak Plier

8010-1001

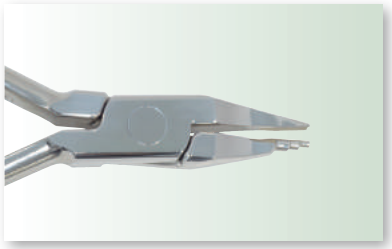
The bird beak optimized for performance and wear. This plier is used primary for laboratory work. Maximum bending capacity is .030 inch

Tweed Arch Bending Plier

8010-1006

Forms offsets and 90˚bends on all types of archwires. Maximum bending capacity is .022x.028 inch.

Tweed Loop Forming Plier



8010-1008

Excellent plier for making precise, consistent omega loops as well as complex loops. Maximum bending capacity is .022x.028 inch.

Light Wire Plier with Cutter

8010-1019

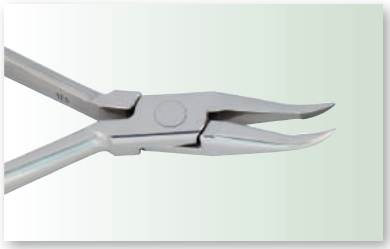
Light wire plier with anvil cutter in rear portion of jaws.

How Plier

8010-2001

The tip provides superior gripping and can be used for bending U.A and tying ligature wire.

Utility Plier



8010-2005

Accurately closing special fine serrated tips make a positioning the arch wire and bending the arch ends.

Common Utility Plier

8010-2005

Weingart Utility Slim Plier

8010-2006

Same usage as 8010-2005. This plier has smaller, shorter, and angled tip compare to 8010-2005.

8010-2006

Band Removing Plier

8010-3006

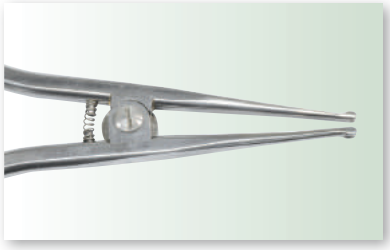
Traditional style band remover. Plastic tip is replaceable for repeated use.

Separating Plier

8010-4003

This instrument for placement of separating elastics has curved beaks to reach to the posterior segment easily.

Ligature Tying Plier Coon



8010-4006

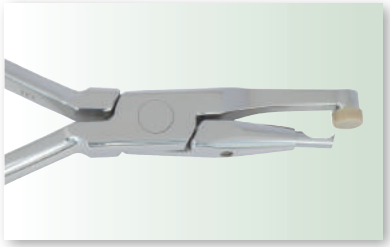
Plier for tying brackets with ligature wires.

Adhesive Remover

8020-1006

Tip design allows access to remove adhesive in practically any area of the mouth. Carbide removing tip and plastic tips are replaceable for repeat use.

Bracket Remover



8020-3460

Designed for quick and comfortable removal of direct bond brackets. Carbide removing tip is replaceable for repeated use.

Distal End Cutter

8040-1003

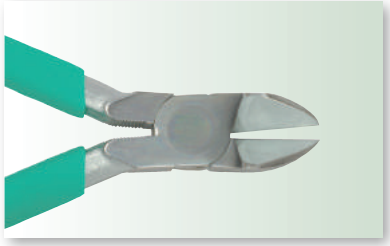
Small design allows for easy access into tight areas. Comfortable for smaller handed individuals. Cuts and holds wire within .022 x .028 inch.

Pin & Ligature Cutter

8040-2002

Mini ligature cutter. Small size and taper allow easy access to pre-molars and molars. Cuts soft materials up to .012 inch.

Heaver Wire Cutter



8040-3003

This instrument's cutting edge is designed to take abuses of cutting hard wires, with the capability of cutting ligatures at the tip.

Wonder Remover

802-1008

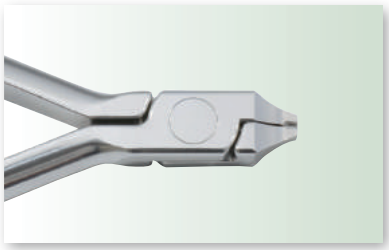
This remover enable easy bracket removal. It can be used for debonding various bracket, this remover is especially great for removing of the Clippy-C.

Cap Removing Plier

802-1009

For removing convertible caps.

Surgical Hook Plier



801-4008

Special design of the Surgical Hook Plier's tip reduces wire distortion when crimping in the oral cavity.

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