

ALL FOR YOUR SMILE



# HEADWAY

## ORTHODONTIC CATALOG

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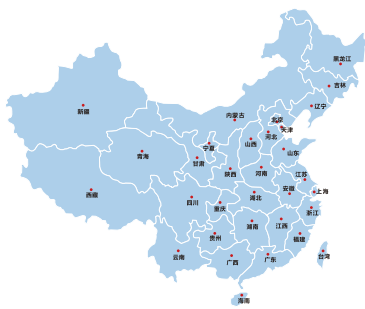
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www.headwayortho.com

CE 0197 ISO13485:2016 FDA

# COMPANY INTRODUCTION



## China Superb Orthodontic Products, “Headway” Brand Provides

Hangzhou Headway Medical Equipment Co., Ltd, was founded in 2014. As a high-tech enterprise from China, Headway integrates research & development, production and sales of orthodontic materials together, has over total of more than 300 employees today. Headway's main products include orthodontic brackets, micro screws, buccal tubes, archwires, accessories and instruments etc, which have been well acclaimed by the both our distributors and end-users. Headway sales network presents its powerful coverage in domestic and international market. We cover all provinces and cities across China and have reached over more than 80 countries and regions worldwide, which contributes the hundreds of millions in annual revenue.

Headway strictly adopt the international general quality management system, and we have been approved by ISO13485:2016, EU CE0197 quality system and registered our products at FDA in US and MHRA in UK. For maintaining rigorous quality control, Headway has introduced advanced nickel-free laser welding equipment, latest MIM technology and precision inspection instruments, insuring the first-class product performance throughout the world.

“Technological presentation, unique craftsmanship”. Since its establishment, Headway has always been cooperating with orthodontic specialists from major institutions in China. We never stop and alter our direction in exploration and innovation. With persistence and dedication, we fulfill the needs of our clients. All we pursue is geared towards being better. Our missions and wishes are to promote the innovation in dental areas, lead the new fashion of orthodontic materials, and contribute to the growth of the global orthodontic industry.



# TABLE OF CONTENTS

- ORTHODONTIC BRACKETS 01 - 38
  - SELF-LIGATING BRACKETS 01-15
  - METAL BRACKETS 16-28
  - SAPPHIRE BRACKETS 29-31
  - CERAMIC BRACKETS 32-38
- PATENT PRODUCTS 39 - 50
- ORTHODONTIC BUCCAL TUBES 51 - 68
- ORTHODONTIC MICRO SCREWS 69 - 71
- ORTHODONTIC WIRES 72 - 81
- ORTHODONTIC ELASTOMERIC 82 - 83
- ORTHODONTIC BANDS 84 - 90
- ORTHODONTIC ACCESSORIES 91 - 93
- ORTHODONTIC INSTRUMENTS 94 - 98



# ORTHODONTIC BRACKETS



## Brackets



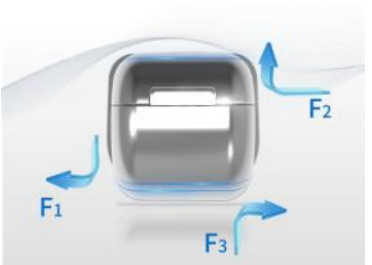
### SELF-LIGATING BRACKETS

**7D** HEADWAY  
SELF-LIGATING BRACKETS

*SMOOTH AS FEATHERY  
ROUND AS PEARLY*



Rounded and smooth  
shape, comfortable  
upgrade



Smooth as a mirror,  
effective force removal



Integral curved surface,  
the ultimate no trace



Round First Molar  
Self-Ligating Buccal Tubes



Removable hook,  
easy to operate



Fine engraving,  
stable adhesion

## 7D Self-ligating brackets 0.022"

### 7D Self-ligating

Position Torque	UI	U2	U3	U45	L12	L3	L4	L5
ROTH	12°	8°	0°	-7°	-1°	-11°	-17°	-22°
MBT	17°	10°	0°	-7°	-6°	-6°	-12°	-17°
High	22°	13°	11°	-11°	-3°	13°	-5°	-17°
Middle	15°	6°	7°	-11°	-3°	7°	-12°	-17°
Low	2°	-5°	-9°	-11°	-11°	0°	-12°	-17°

### 7D Self-ligating ROTH brackets

Description / 7-7,28pcs	Item NO. .022"
without Hooks	H7153R-22-1
with Hooks on 3's	H7153R-22-2
with Hooks on 3,4, 5's	H7153R-22-3

### 7D Self-ligating MBT brackets

Description / 7-7,28pcs	Item NO. .022"
without Hooks	H7153M-22-1
with Hooks on 3's	H7153M-22-2
with Hooks on 3,4, 5's	H7153M-22-3

### 7D Self-ligating brackets High Torque

Description / 7-7,28pcs	Item NO. .022"
without Hooks	H7153G-22-1
with Hooks on 3's	H7153G-22-2
with Hooks on 3,4, 5's	H7153G-22-3

### 7D Self-ligating brackets Middle Torque

Description / 7-7,28pcs	Item NO. .022"
without Hooks	H7153B-22-1
with Hooks on 3's	H7153B-22-2
with Hooks on 3,4, 5's	H7153B-22-3

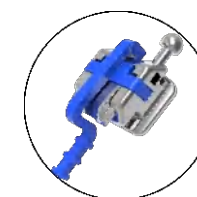
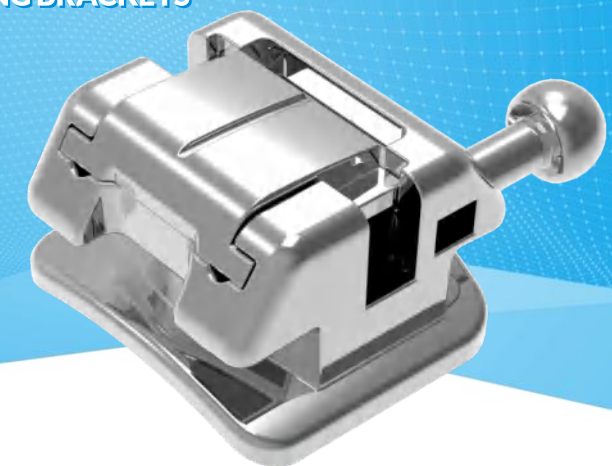
### 7D Self-ligating brackets Low Torque

Description / 7-7,28pcs	Item NO. .022"
without Hooks	H7153D-22-1
with Hooks on 3's	H7153D-22-2
with Hooks on 3,4, 5's	H7153D-22-3

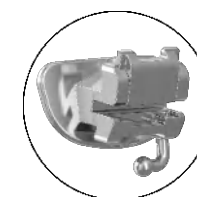


## SELF-LIGATING BRACKETS

### 6D HEADWAY SELF-LIGATING BRACKETS



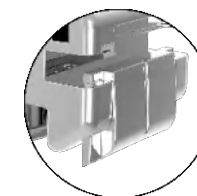
Removable positioning gauge design helps more precise bracket placement  
Positioning gauges are on 3-3 and available in 5 colors



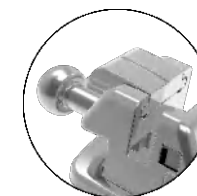
With self-ligating buccal tube, Facilitates the insertion of the arch wires in the slots.



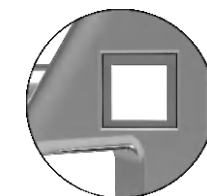
Stable fixed hook design, Simplify the operation steps of doctors



New vertical scribe line along helps guide desired bracket placement



The open and closed are in the same direction, easier for the orthodontic practices



Horizontal auxiliary slot, Facilitates doctor's adjustments For individual tooth positions, aligning teeth efficiently, Save operating time



## 6D Self-ligating brackets 0.022"

### 6D Self-ligating

Position Torque	U1	U2	U3	U45	L12	L3	L4	L5
ROTH	12°	8°	0°	-7°	-1°	-11°	-17°	-22°
MBT	17°	10°	0°	-7°	-6°	-6°	-12°	-17°
High	22°	13°	11°	-11°	-3°	13°	-5°	-17°
Middle	15°	6°	7°	-11°	-3°	7°	-12°	-17°
Low	2°	-5°	-9°	-11°	-11°	0°	-12°	-17°

### 6D Self-ligating ROTH brackets

Description / 7-7,28pcs	Item NO. .022"
with Hooks on 3,4, 5's	H6153R-22-3

### 6D Self-ligating MBT brackets

Description / 7-7,28pcs	Item NO. .022"
with Hooks on 3,4, 5's	H6153M-22-3

### 6D Self-ligating brackets High Torque

Description / 7-7,28pcs	Item NO. .022"
with Hooks on 3,4, 5's	H6153G-22-3

### 6D Self-ligating brackets Middle Torque

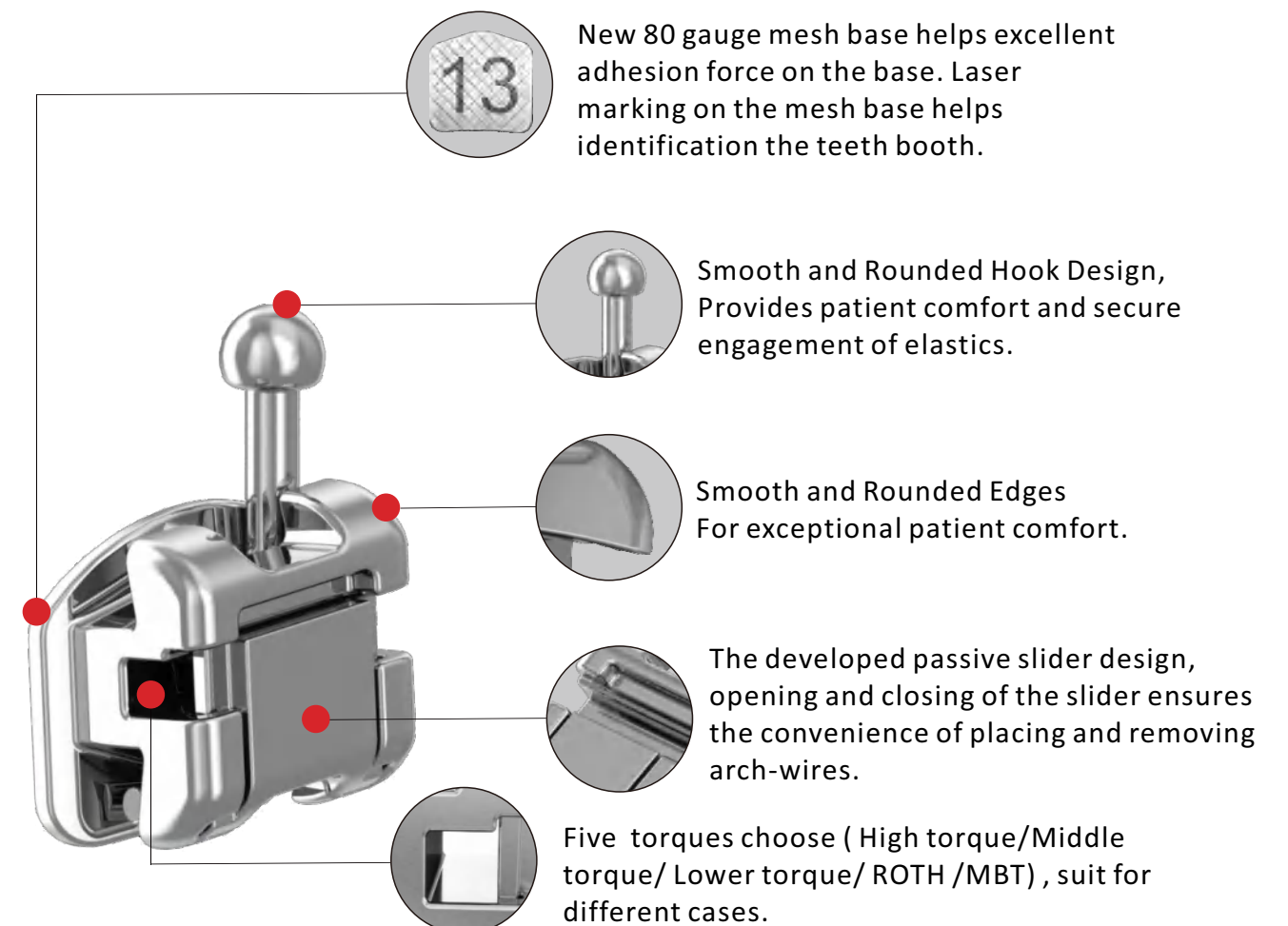
Description / 7-7,28pcs	Item NO. .022"
with Hooks on 3,4, 5's	H6153B-22-3

### 6D Self-ligating brackets Low Torque

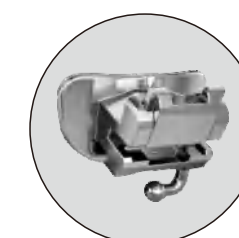
Description / 7-7,28pcs	Item NO. .022"
with Hooks on 3,4, 5's	H6153D-22-3



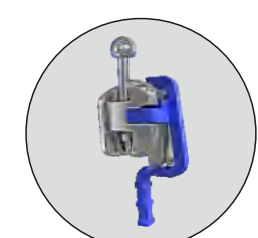
## 5D HEADWAY SELF-LIGATING BRACKETS



5D self-ligating brackets



Excellent package with self ligating buccal tube



Removable positioning gauge design helps more precise bracket placement Positioning gauges are on 3-3 and available in 5 colors

## 5D Self-ligating brackets 0.022"

### 5D Self-ligating

Position Torque	UI	U2	U3	U45	L12	L3	L4	L5
ROTH	12°	8°	0°	-7°	-1°	-11°	-17°	-22°
MBT	17°	10°	0°	-7°	-6°	-6°	-12°	-17°
High	22°	13°	11°	-11°	-3°	13°	-5°	-17°
Middle	15°	6°	7°	-11°	-3°	7°	-12°	-17°
Low	2°	-5°	-9°	-11°	-11°	0°	-12°	-17°

### 5D Self-ligating ROTH brackets

Description / 7-7,28pcs	Item NO. .022"
without Hooks	H5153R-22-1
with Hooks on 3's	H5153R-22-2
with Hooks on 3,4, 5's	H5153R-22-3

### 5D Self-ligating MBT brackets

Description / 7-7,28pcs	Item NO. .022"
without Hooks	H5153M-22-1
with Hooks on 3's	H5153M-22-2
with Hooks on 3,4, 5's	H5153M-22-3

### 5D Self-ligating brackets High Torque

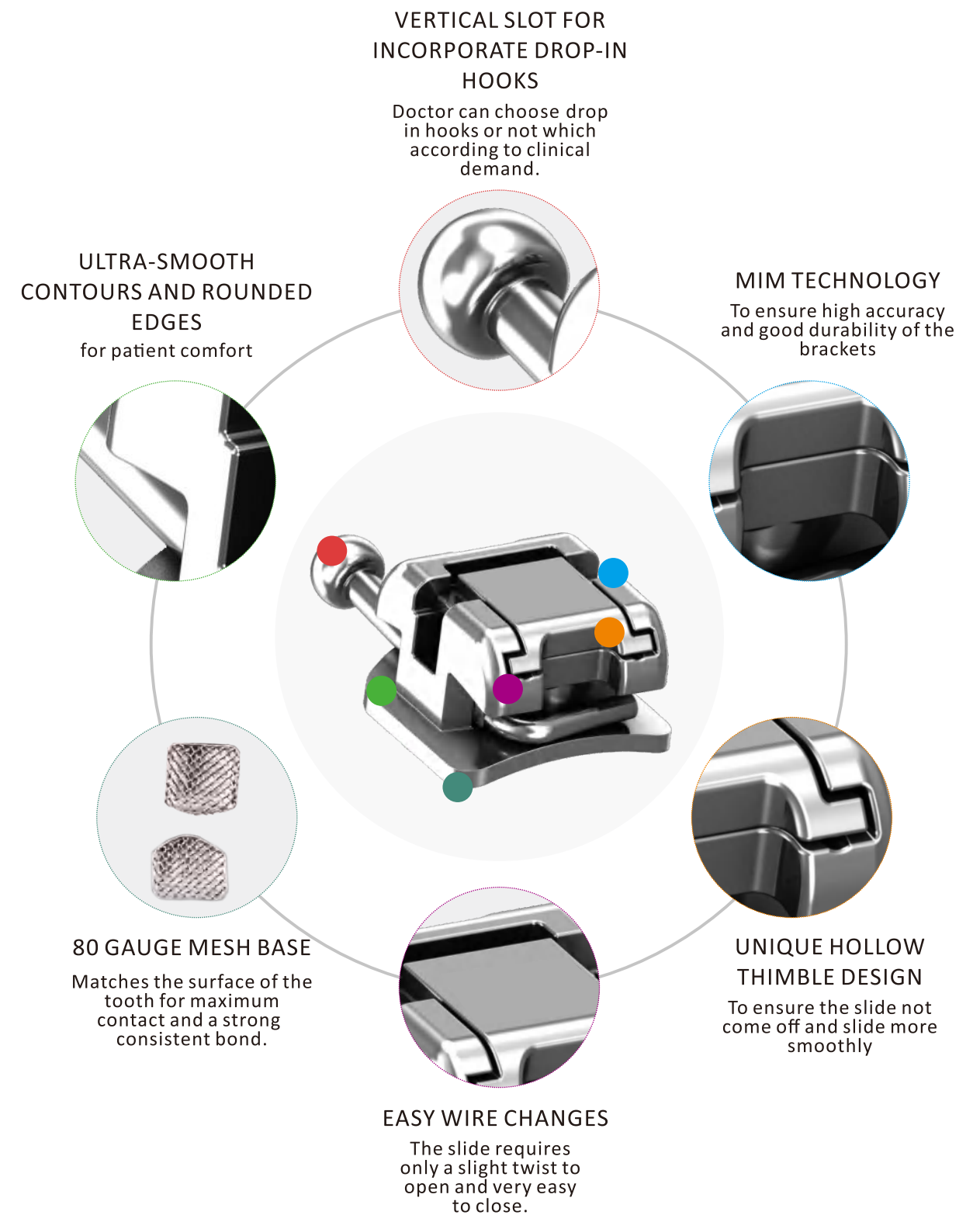
Description / 7-7,28pcs	Item NO. .022"
without Hooks	H5153G-22-1
with Hooks on 3's	H5153G-22-2
with Hooks on 3,4, 5's	H5153G-22-3

### 5D Self-ligating brackets Middle Torque

Description / 7-7,28pcs	Item NO. .022"
without Hooks	H5153B-22-1
with Hooks on 3's	H5153B-22-2
with Hooks on 3,4, 5's	H5153B-22-3

### 5D Self-ligating brackets Low Torque

Description / 7-7,28pcs	Item NO. .022"
without Hooks	H5153D-22-1
with Hooks on 3's	H5153D-22-2
with Hooks on 3,4, 5's	H5153D-22-3





## 4D Self-ligating brackets HIGH Torque 0.022"

Brackets		Description	Torque	Ang.	width	Side	Slot .022"
MAXILLARY	Centrals	/	22°	5°	3.0mm	R	4152H-2211
						L	4152H-2221
	Laterals	/	13°	9°	2.9mm	R	4152H-2212
						L	4152H-2222
	Cuspids	without hook	11°	9°	3.0mm	R	4152H-2213
						L	4152H-2223
		with hook	11°	9°	3.0mm	R	4152H-2213H
						L	4152H-2223H
	1 <sup>st</sup> Bicuspid	without hook	-11°	0°	2.9mm	R	4152H-2214
						L	4152H-2224
		with hook	-11°	0°	2.9mm	R	4152H-2214H
						L	4152H-2224H
	2 <sup>nd</sup> Bicuspid	without hook	-11°	0°	2.9mm	R	4152H-2215
						L	4152H-2225
		with hook	-11°	0°	2.9mm	R	4152H-2215H
						L	4152H-2225H
MANDIBULAR	Lower Anteriors	/	-3°	0°	2.6mm	/	4152H-2241
						/	4152H-2241
	Cuspids	without hook	13°	5°	2.9mm	R	4152H-2243
						L	4152H-2233
		with hook	13°	5°	2.9mm	R	4152H-2243H
						L	4152H-2233H
	1 <sup>st</sup> Bicuspid	without hook	-5°	0°	2.9mm	R	4152H-2244
						L	4152H-2234
		with hook	-5°	0°	2.9mm	R	4152H-2244H
						L	4152H-2234H
	2 <sup>nd</sup> Bicuspid	without hook	-17°	0°	2.9mm	R	4152H-2245
						L	4152H-2235
		with hook	-17°	0°	2.9mm	R	4152H-2245H
						L	4152H-2235H

### 4D Self-ligating brackets High Torque

Description / 7-7,28pcs	Item NO. .022"
without Hooks	H4152H-22-1
with Hooks on 3's	H4152H-22-2
with Hooks on 3,4, 5's	H4152H-22-3



## 4D Self-ligating brackets MIDDLE Torque 0.022"

Brackets		Description	Torque	Ang.	width	Side	Slot .022"
MAXILLARY	Centrals	/	15°	5°	3.0mm	R	4152M-2211
						L	4152M-2221
	Laterals	/	6°	9°	2.9mm	R	4152M-2212
						L	4152M-2222
	Cuspids	without hook	7°	9°	3.0mm	R	4152M-2213
						L	4152M-2223
		with hook	7°	9°	3.0mm	R	4152M-2213H
						L	4152M-2223H
	1 <sup>st</sup> Bicuspid	without hook	-11°	0°	2.9mm	R	4152M-2214
						L	4152M-2224
		with hook	-11°	0°	2.9mm	R	4152M-2214H
						L	4152M-2224H
	2 <sup>nd</sup> Bicuspid	without hook	-11°	0°	2.9mm	R	4152M-2215
						L	4152M-2225
		with hook	-11°	0°	2.9mm	R	4152M-2215H
						L	4152M-2225H
MANDIBULAR	Lower Anteriors	/	-3°	0°	2.6mm	/	4152M-2241
						/	4152M-2241
	Cuspids	without hook	7°	5°	2.9mm	R	4152M-2243
						L	4152M-2233
		with hook	7°	5°	2.9mm	R	4152M-2243H
						L	4152M-2233H
	1 <sup>st</sup> Bicuspid	without hook	-12°	0°	2.9mm	R	4152M-2244
						L	4152M-2234
		with hook	-12°	0°	2.9mm	R	4152M-2244H
						L	4152M-2234H
	2 <sup>nd</sup> Bicuspid	without hook	-17°	0°	2.9mm	R	4152M-2245
						L	4152M-2235
		with hook	-17°	0°	2.9mm	R	4152M-2245H
						L	4152M-2235H

### 4D Self-ligating brackets Middle Torque

Description / 7-7,28pcs	Item NO. .022"
without Hooks	H4152M-22-1
with Hooks on 3's	H4152M-22-2
with Hooks on 3,4, 5's	H4152M-22-3



## 4D Self-ligating brackets LOW Torque 0.022"

Brackets		Description	Torque	Ang.	width	Side	Slot .022"
MAXILLARY	Centrals	/	2°	5°	3.0mm	R	4152L-2211
						L	4152L-2221
	Laterals	/	-5°	9°	2.9mm	R	4152L-2212
						L	4152L-2222
	Cuspids	without hook	-9°	9°	3.0mm	R	4152L-2213
						L	4152L-2223
		with hook	-9°	9°	3.0mm	R	4152L-2213H
						L	4152L-2223H
	1 <sup>st</sup> Bicuspid	without hook	-11°	0°	2.9mm	R	4152L-2214
						L	4152L-2224
		with hook	-11°	0°	2.9mm	R	4152L-2214H
						L	4152L-2224H
MANDIBULAR	2 <sup>nd</sup> Bicuspid	without hook	-11°	0°	2.9mm	R	4152L-2215
						L	4152L-2225
		with hook	-11°	0°	2.9mm	R	4152L-2215H
						L	4152L-2225H
	Lower Anteriors	/	-11°	0°	2.6mm	/	4152L-2241
	Cuspids	without hook	0°	5°	2.9mm	R	4152L-2243
						L	4152L-2233
		with hook	0°	5°	2.9mm	R	4152L-2243H
						L	4152L-2233H
	1 <sup>st</sup> Bicuspid	without hook	-12°	0°	2.9mm	R	4152L-2244
						L	4152L-2234
		with hook	-12°	0°	2.9mm	R	4152L-2244H
						L	4152L-2234H
	2 <sup>nd</sup> Bicuspid	without hook	-17°	0°	2.9mm	R	4152L-2245
						L	4152L-2235
		with hook	-17°	0°	2.9mm	R	4152L-2245H
						L	4152L-2235H

### 4D Self-ligating brackets Low Torque

Description / 7-7,28pcs	Item NO. .022"
without Hooks	H4152L-22-1
with Hooks on 3's	H4152L-22-2
with Hooks on 3,4, 5's	H4152L-22-3



## Nickel-free Laser Welding Advanced Technology



### 3D ROTH/MBT

#### Headway 3D Self Ligating Brackets-Main Features:

- Adopt the 17-4 raw material and MIM technology, accurate prescriptions, better in strength and durability.
- Adopt the ultrathin design on the brackets, to reduce the thickness extremely and can avoid bite and jaw interference during treatment.
- The smooth edge design of the bracket could provide the best comfort.
- Bracket open method adopts the passive slip design, can effectively reduce the friction between the bracket and archwire and achieve the orthodontic system of the continuous low friction.
- The open and closed are in the same direction, easier for the orthodontic practices.
- The unique invisible hook design, satisfy the clinic practices requirement on the intermaxillary and intramaxillary elastic.
- All the teeth have the vertical slot with detachable hook, can ensure the individual case requirement of intermaxillary and intramaxillary elastic.
- New 80 gauge mesh base, solid adhesion.





## 3D Self-ligating ROTH brackets 0.018"/0.022"

Brackets		Description	Torque	Ang.	width	Side	Slot .022"
MAXILLARY	Centrals	/	12°	5°	3.0mm	R	3150-2211
						L	3150-2221
	Laterals	/	8°	9°	2.8mm	R	3150-2212
						L	3150-2222
	Cuspids	without hook	0°	11°	3.0mm	R	3150-2213
						L	3150-2223
		with hook	0°	11°	3.0mm	R	3150-2213H
						L	3150-2223H
	1 <sup>st</sup> Bicuspid	without hook	-7°	0°	2.8mm	R	3150-2214
						L	3150-2224
		with hook	-7°	0°	2.8mm	R	3150-2214H
						L	3150-2224H
	2 <sup>nd</sup> Bicuspid	without hook	-7°	0°	2.8mm	R	3150-2215
						L	3150-2225
		with hook	-7°	0°	2.8mm	R	3150-2215H
						L	3150-2225H
MANDIBULAR	Lower Anteriors	/	-1°	0°	2.6mm	/	3150-2241
						/	3150-2241
	Cuspids	without hook	-11°	5°	2.8mm	R	3150-2243
						L	3150-2233
		with hook	-11°	5°	2.8mm	R	3150-2243H
						L	3150-2233H
	1 <sup>st</sup> Bicuspid	without hook	-17°	0°	2.8mm	R	3150-2244
						L	3150-2234
		with hook	-17°	0°	2.8mm	R	3150-2244H
						L	3150-2234H
	2 <sup>nd</sup> Bicuspid	without hook	-22°	0°	2.8mm	R	3150-2245
						L	3150-2235
		with hook	-22°	0°	2.8mm	R	3150-2245H
						L	3150-2235H

### 3D Self-ligating ROTH brackets

Description / 7-7,28pcs	Item NO.	
	.018"	.022"
without Hooks	H3150-18-1	H3150-22-1
with Hooks on 3's	H3150-18-2	H3150-22-2
with Hooks on 3,4, 5's	H3150-18-3	H3150-22-3



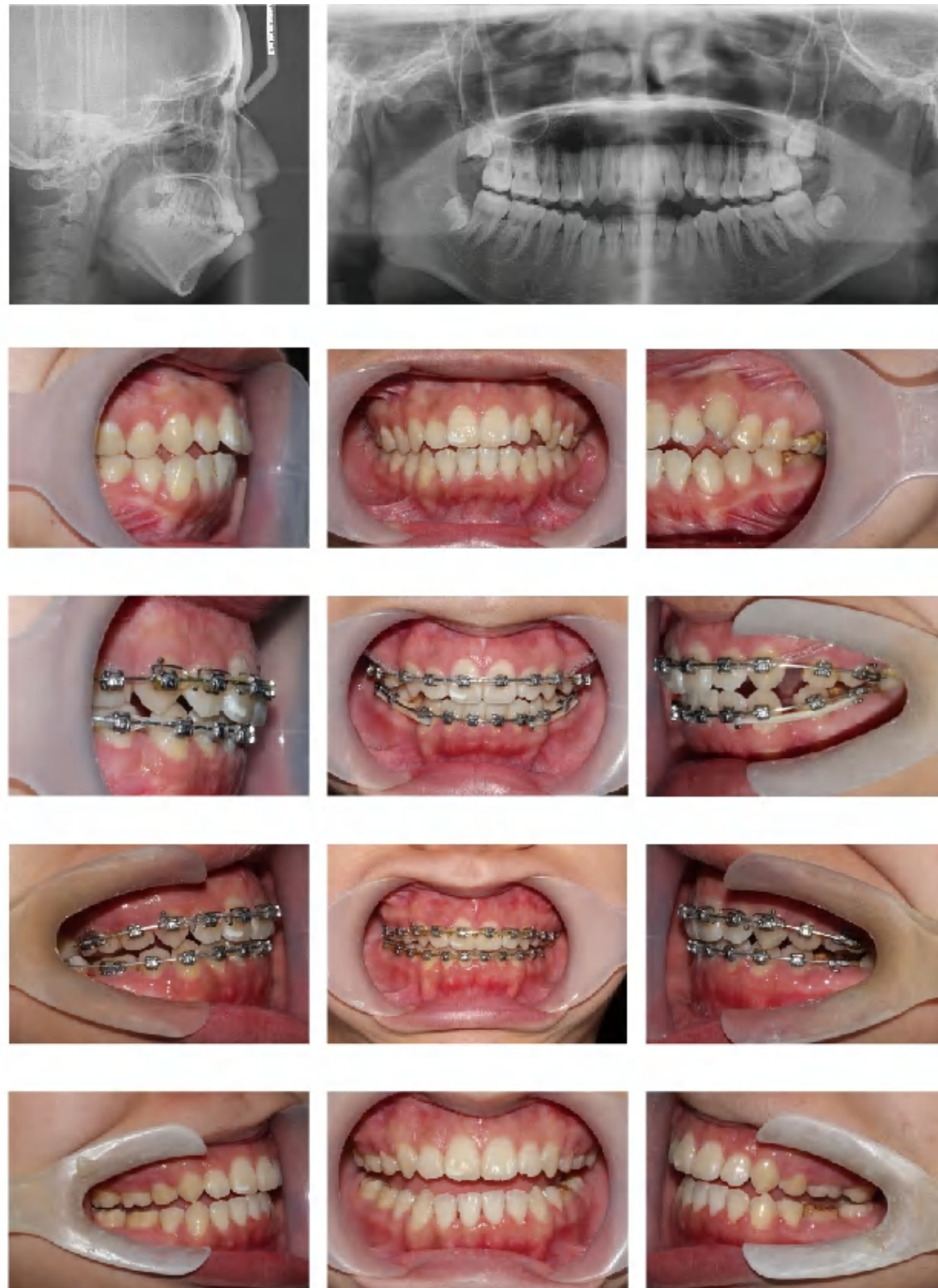
## 3D Self-ligating MBT brackets 0.018"/0.022"

Brackets		Description	Torque	Ang.	width	Side	Slot .022"
MAXILLARY	Centrals	/	17°	4°	3.0mm	R	3151-2211
						L	3151-2221
	Laterals	/	10°	8°	2.8mm	R	3151-2212
						L	3151-2222
	Cuspids	without hook	0°	8°	3.0mm	R	3151-2213
						L	3151-2223
		with hook	0°	8°	3.0mm	R	3151-2213H
						L	3151-2223H
	1 <sup>st</sup> Bicuspid	without hook	-7°	0°	2.8mm	R	3151-2214
						L	3151-2224
		with hook	-7°	0°	2.8mm	R	3151-2214H
						L	3151-2224H
	2 <sup>nd</sup> Bicuspid	without hook	-7°	0°	2.8mm	R	3151-2215
						L	3151-2225
		with hook	-7°	0°	2.8mm	R	3151-2215H
						L	3151-2225H
MANDIBULAR	Lower Anteriors	/	-6°	0°	2.6mm	/	3151-2241
						/	3151-2241
	Cuspids	without hook	-6°	3°	2.8mm	R	3151-2243
						L	3151-2233
		with hook	-6°	3°	2.8mm	R	3151-2243H
						L	3151-2233H
	1 <sup>st</sup> Bicuspid	without hook	-12°	0°	2.8mm	R	3151-2244
						L	3151-2234
		with hook	-12°	0°	2.8mm	R	3151-2244H
						L	3151-2234H
	2 <sup>nd</sup> Bicuspid	without hook	-17°	0°	2.8mm	R	3151-2245
						L	3151-2235
		with hook	-17°	0°	2.8mm	R	3151-2245H
						L	3151-2235H

### 3D Self-ligating MBT brackets

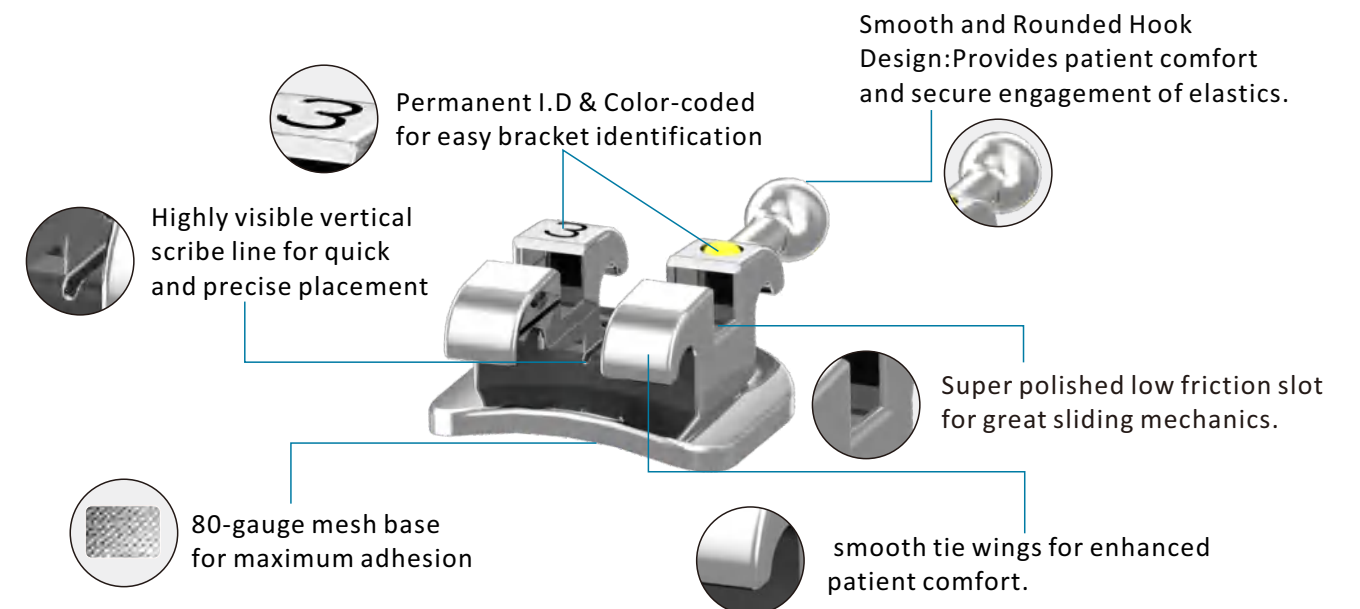
Description / 7-7,28pcs	Item NO.	
	.018"	.022"
without Hooks	H3151-18-1	H3151-22-1
with Hooks on 3's	H3151-18-2	H3151-22-2
with Hooks on 3,4, 5's	H3151-18-3	H3151-22-3





## Metal Brackets

HEADWAY brackets is tarnish-resistant and manufactured using MIM technology; an efficient, multi-step process capable of producing intricately formed brackets to exact dimensions and tolerances. The result is an accurate prescription built into each bracket. The bio-compatible, nickel-free material of these brackets ensures that they are both a safe and effective choice for your patient.



### Metal Brackets Identification

.018"/.022"



Lower Anteriors - No Markings  
(Color codes are unavailable on Edgewise brackets/buccal tubes)

### FDI (World Dental Federation) System

17	16	15	14	13	12	11	21	22	23	24	25	26	27
7	6	5	4	3	2	1	1	2	3	4	5	6	7
7	6	5	4	3	2	1	1	2	3	4	5	6	7
47	46	45	44	43	42	41	31	32	33	34	35	36	37



## Brackets

### MIM

Mini / standard

Bondable ROTH brackets

0.018"/0.022"



Brackets		Description	Torque	Ang.	Mini	Std.	Side	Mini		Standard	
					width	width		.018"	.022"	.018"	.022"
MAXILLARY	Centrals	/	12°	5°	3.2mm	3.4mm	R	101-1811	101-2211	102-1811	102-2211
							L	101-1821	101-2221	102-1821	102-2221
	Laterals	/	8°	9°	2.8mm	2.8mm	R	101-1812	101-2212	102-1812	102-2212
							L	101-1822	101-2222	102-1822	102-2222
	Cuspids	without hook	0°	11°	2.8mm	3.2mm	R	101-1813	101-2213	102-1813	102-2213
							L	101-1823	101-2223	102-1823	102-2223
		with hook	0°	11°	2.8mm	3.2mm	R	101-1813H	101-2213H	102-1813H	102-2213H
							L	101-1823H	101-2223H	102-1823H	102-2223H
	Bicuspid	without hook	-7°	0°	2.8mm	2.9mm	R	101-1815	101-2215	102-1815	102-2215
							L	101-1825	101-2225	102-1825	102-2225
		with hook	-7°	0°	2.8mm	2.9mm	R	101-1815H	101-2215H	102-1815H	102-2215H
							L	101-1825H	101-2225H	102-1825H	102-2225H

MANDIBULAR	Lower Anteriors	/	0°	0°	2.3mm	2.4mm	/	101-1841	101-2241	102-1841	102-2241
	Cuspids	without hook	-11°	5°	2.8mm	2.9mm	R	101-1843	101-2243	102-1843	102-2243
							L	101-1833	101-2233	102-1833	102-2233
		with hook	-11°	5°	2.8mm	2.9mm	R	101-1843H	101-2243H	102-1843H	102-2243H
							L	101-1833H	101-2233H	102-1833H	102-2233H
	1 <sup>st</sup> Bicuspid	without hook	-17°	0°	2.8mm	2.9mm	R	101-1844	101-2244	102-1844	102-2244
							L	101-1834	101-2234	102-1834	102-2234
		with hook	-17°	0°	2.8mm	2.9mm	R	101-1844H	101-2244H	102-1844H	102-2244H
							L	101-1834H	101-2234H	102-1834H	102-2234H
	2 <sup>nd</sup> Bicuspid	without hook	-22°	0°	2.8mm	2.9mm	R	101-1845	101-2245	102-1845	102-2245
							L	101-1835	101-2235	102-1835	102-2235
		with hook	-22°	0°	2.8mm	2.9mm	R	101-1845H	101-2245H	102-1845H	102-2245H
L							101-1835H	101-2235H	102-1835H	102-2235H	

#### Bondable mini ROTH brackets

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	H101-18-1	H101-22-1
with Hooks on 3's	H101-18-2	H101-22-2
with Hooks on 3,4,5's	H101-18-3	H101-22-3

#### Bondable standard ROTH brackets

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	H102-18-1	H102-22-1
with Hooks on 3's	H102-18-2	H102-22-2
with Hooks on 3,4,5's	H102-18-3	H102-22-3

## Brackets

### MIM

Mini / standard

Bondable MBT brackets

0.018"/0.022"



Brackets		Description	Torque	Ang.	Mini	Std.	Side	Mini		Standard	
					width	width		.018"	.022"	.018"	.022"
MAXILLARY	Centrals	/	17°	4°	3.2mm	3.7mm	R	103-1811	103-2211	104-1811	104-2211
							L	103-1821	103-2221	104-1821	104-2221
	Laterals	/	10°	8°	2.8mm	3.0mm	R	103-1812	103-2212	104-1812	104-2212
							L	103-1822	103-2222	104-1822	104-2222
	Cuspids	without hook	0°	8°	2.8mm	3.4mm	R	103-1813	103-2213	104-1813	104-2213
							L	103-1823	103-2223	104-1823	104-2223
		with hook	0°	8°	2.8mm	3.4mm	R	103-1813H	103-2213H	104-1813H	104-2213H
							L	103-1823H	103-2223H	104-1823H	104-2223H
	Bicuspids	without hook	-7°	0°	2.8mm	3.0mm	R	103-1815	103-2215	104-1815	104-2215
							L	103-1825	103-2225	104-1825	104-2225
		with hook	-7°	0°	2.8mm	3.0mm	R	103-1815H	103-2215H	104-1815H	104-2215H
							L	103-1825H	103-2225H	104-1825H	104-2225H

MANDIBULAR	Lower Anteriors	/	-6°	0°	2.3mm	2.4mm	/	103-1841	103-2241	104-1841	104-2241
	Cuspids	without hook	-6°	3°	2.8mm	3.4mm	R	103-1843	103-2243	104-1843	104-2243
							L	103-1833	103-2233	104-1833	104-2233
		with hook	-6°	3°	2.8mm	3.4mm	R	103-1843H	103-2243H	104-1843H	104-2243H
							L	103-1833H	103-2233H	104-1833H	104-2233H
	1 <sup>st</sup> Bicuspids	without hook	-12°	0°	2.8mm	3.2mm	R	103-1844	103-2244	104-1844	104-2244
							L	103-1834	103-2234	104-1834	104-2234
		with hook	-12°	0°	2.8mm	3.2mm	R	103-1844H	103-2244H	104-1844H	104-2244H
							L	103-1834H	103-2234H	104-1834H	104-2234H
	2 <sup>nd</sup> Bicuspids	without hook	-17°	0°	2.8mm	3.2mm	R	103-1845	103-2245	104-1845	104-2245
							L	103-1835	103-2235	104-1835	104-2235
		with hook	-17°	0°	2.8mm	3.2mm	R	103-1845H	103-2245H	104-1845H	104-2245H
						L	103-1835H	103-2235H	104-1835H	104-2235H	

#### Bondable mini MBT brackets

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	H103-18-1	H103-22-1
with Hooks on 3's	H103-18-2	H103-22-2
with Hooks on 3,4,5's	H103-18-3	H103-22-3

#### Bondable standard MBT brackets

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	H104-18-1	H104-22-1
with Hooks on 3's	H104-18-2	H104-22-2
with Hooks on 3,4,5's	H104-18-3	H104-22-3

## Brackets

### MIM

Mini / standard

Sandblasted ROTH brackets

0.018"/0.022"



Brackets		Description	Torque	Ang.	Mini	Std.	Side	Mini		Standard	
					width	width		.018"	.022"	.018"	.022"
MAXILLARY	Centrals	/	12°	5°	3.2mm	3.4mm	R	101S-1811	101S-2211	102S-1811	102S-2211
							L	101S-1821	101S-2221	102S-1821	102S-2221
	Laterals	/	8°	9°	2.8mm	2.8mm	R	101S-1812	101S-2212	102S-1812	102S-2212
							L	101S-1822	101S-2222	102S-1822	102S-2222
	Cuspids	without hook	0°	11°	2.8mm	3.2mm	R	101S-1813	101S-2213	102S-1813	102S-2213
							L	101S-1823	101S-2223	102S-1823	102S-2223
		with hook	0°	11°	2.8mm	3.2mm	R	101S-1813H	101S-2213H	102S-1813H	102S-2213H
							L	101S-1823H	101S-2223H	102S-1823H	102S-2223H
	Bicuspids	without hook	-7°	0°	2.8mm	2.9mm	R	101S-1815	101S-2215	102S-1815	102S-2215
							L	101S-1825	101S-2225	102S-1825	102S-2225
		with hook	-7°	0°	2.8mm	2.9mm	R	101S-1815H	101S-2215H	102S-1815H	102S-2215H
							L	101S-1825H	101S-2225H	102S-1825H	102S-2225H
MANDIBULAR	Lower Anteriors	/	0°	0°	2.3mm	2.4mm	/	101S-1841	101S-2241	102S-1841	102S-2241
	Cuspids	without hook	-11°	5°	2.8mm	2.9mm	R	101S-1843	101S-2243	102S-1843	102S-2243
							L	101S-1833	101S-2233	102S-1833	102S-2233
		with hook	-11°	5°	2.8mm	2.9mm	R	101S-1843H	101S-2243H	102S-1843H	102S-2243H
							L	101S-1833H	101S-2233H	102S-1833H	102S-2233H
	1 <sup>st</sup> Bicuspids	without hook	-17°	0°	2.8mm	2.9mm	R	101S-1844	101S-2244	102S-1844	102S-2244
							L	101S-1834	101S-2234	102S-1834	102S-2234
		with hook	-17°	0°	2.8mm	2.9mm	R	101S-1844H	101S-2244H	102S-1844H	102S-2244H
							L	101S-1834H	101S-2234H	102S-1834H	102S-2234H
	2 <sup>nd</sup> Bicuspids	without hook	-22°	0°	2.8mm	2.9mm	R	101S-1845	101S-2245	102S-1845	102S-2245
							L	101S-1835	101S-2235	102S-1835	102S-2235
		with hook	-22°	0°	2.8mm	2.9mm	R	101S-1845H	101S-2245H	102S-1845H	102S-2245H
L							101S-1835H	101S-2235H	102S-1835H	102S-2235H	

#### Sandblasted mini ROTH brackets

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	H101S-18-1	H101S-22-1
with Hooks on 3's	H101S-18-2	H101S-22-2
with Hooks on 3,4,5's	H101S-18-3	H101S-22-3

#### Sandblasted standard ROTH brackets

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	H102S-18-1	H102S-22-1
with Hooks on 3's	H102S-18-2	H102S-22-2
with Hooks on 3,4,5's	H102S-18-3	H102S-22-3

## Brackets

### MIM

Mini / standard

Sandblasted MBT brackets

0.018"/0.022"



Brackets		Description	Torque	Ang.	Mini	Std.	Side	Mini		Standard	
					width	width		.018"	.022"	.018"	.022"
MAXILLARY	Centrals	/	17°	4°	3.2mm	3.7mm	R	103S-1811	103S-2211	104S-1811	104S-2211
							L	103S-1821	103S-2221	104S-1821	104S-2221
	Laterals	/	10°	8°	2.8mm	3.0mm	R	103S-1812	103S-2212	104S-1812	104S-2212
							L	103S-1822	103S-2222	104S-1822	104S-2222
	Cuspids	without hook	0°	8°	2.8mm	3.4mm	R	103S-1813	103S-2213	104S-1813	104S-2213
							L	103S-1823	103S-2223	104S-1823	104S-2223
		with hook	0°	8°	2.8mm	3.4mm	R	103S-1813H	103S-2213H	104S-1813H	104S-2213
							L	103S-1823H	103S-2223H	104S-1823H	104S-2223
	Bicuspids	without hook	-7°	0°	2.8mm	3.0mm	R	103S-1815	103S-2215	104S-1815	104S-2215
							L	103S-1825	103S-2225	104S-1825	104S-2225
		with hook	-7°	0°	2.8mm	3.0mm	R	103S-1815H	103S-2215H	104S-1815H	104S-2215
							L	103S-1825H	103S-2225H	104S-1825H	104S-2225
MANDIBULAR	Lower Anteriors	/	-6°	0°	2.3mm	2.4mm	/	103S-1841	103S-2241	104S-1841	104S-2241
	Cuspids	without hook	-6°	3°	2.8mm	3.4mm	R	103S-1843	103S-2243	104S-1843	104S-2243
							L	103S-1833	103S-2233	104S-1833	104S-2233
		with hook	-6°	3°	2.8mm	3.4mm	R	103S-1843H	103S-2243H	104S-1843H	104S-2243
							L	103S-1833H	103S-2233H	104S-1833H	104S-2233
	1 <sup>st</sup> Bicuspids	without hook	-12°	0°	2.8mm	3.2mm	R	103S-1844	103S-2244	104S-1844	104S-2244
							L	103S-1834	103S-2234	104S-1834	104S-2234
		with hook	-12°	0°	2.8mm	3.2mm	R	103S-1844H	103S-2244H	104S-1844H	104S-2244
							L	103S-1834H	103S-2234H	104S-1834H	104S-2234
	2 <sup>nd</sup> Bicuspids	without hook	-17°	0°	2.8mm	3.2mm	R	103S-1845	103S-2245	104S-1845	104S-2245
							L	103S-1835	103S-2235	104S-1835	104S-2235
		with hook	-17°	0°	2.8mm	3.2mm	R	103S-1845H	103S-2245H	104S-1845H	104S-2245
						L	103S-1835H	103S-2235H	104S-1835H	104S-2235	

#### Sandblasted mini MBT brackets

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	H103S-18-1	H103S-22-1
with Hooks on 3's	H103S-18-2	H103S-22-2
with Hooks on 3,4,5's	H103S-18-3	H103S-22-3

#### Sandblasted standard MBT brackets

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	H104S-18-1	H104S-22-1
with Hooks on 3's	H104S-18-2	H104S-22-2
with Hooks on 3,4,5's	H104S-18-3	H104S-22-3



## MIM

Mini / standard

Bondable edgewise brackets

0.018"/0.022"



Brackets		Description	Torque	Ang.	Mini	Std.	Side	Mini		Standard	
					width	width		.018"	.022"	.018"	.022"
MAXILLARY	Centrals	/	0°	0°	2.8mm	3.2mm	R	105-1811	105-2211	106-1811	106-2211
							L	105-1821	105-2221	106-1821	106-2221
	Laterals	/	0°	0°	2.6mm	3.0mm	R	105-1812	105-2212	106-1812	106-2212
							L	105-1822	105-2222	106-1822	106-2222
	Cuspids	without hook	0°	0°	2.8mm	3.2mm	R	105-1813	105-2213	106-1813	106-2213
							L	105-1823	105-2223	106-1823	106-2223
		with hook	0°	0°	2.8mm	3.2mm	R	105-1813H	105-2213H	106-1813H	106-2213H
							L	105-1823H	105-2223H	106-1823H	106-2223H
	Bicuspids	without hook	0°	0°	2.6mm	3.0mm	R	105-1815	105-2215	106-1815	106-2215
							L	105-1825	105-2225	106-1825	106-2225
	with hook	0°	0°	2.6mm	3.0mm	R	105-1815H	105-2215H	106-1815H	106-2215H	
						L	105-1825H	105-2225H	106-1825H	106-2225H	
MANDIBULAR	Lower Anteriors	/	0°	0°	2.3mm	2.3mm	/	105-1841	105-2241	106-1841	106-2241
	Cuspids	without hook	0°	0°	2.8mm	3.2mm	R	105-1843	105-2243	106-1843	106-2243
							L	105-1833	105-2233	106-1833	106-2233
		with hook	0°	0°	2.8mm	3.2mm	R	105-1843H	105-2243H	106-1843H	106-2243H
							L	105-1833H	105-2233H	106-1833H	106-2233H
	1 <sup>st</sup> Bicuspids	without hook	0°	0°	2.6mm	3.0mm	R	105-1844	105-2244	106-1844	106-2244
							L	105-1834	105-2234	106-1834	106-2234
		with hook	0°	0°	2.6mm	3.0mm	R	105-1844H	105-2244H	106-1844H	106-2244H
							L	105-1834H	105-2234H	106-1834H	106-2234H
	2 <sup>nd</sup> Bicuspids	without hook	0°	0°	2.6mm	3.0mm	R	105-1845	105-2245	106-1845	106-2245
							L	105-1835	105-2235	106-1835	106-2235
		with hook	0°	0°	2.6mm	3.0mm	R	105-1845H	105-2245H	106-1845H	106-2245H
						L	105-1835H	105-2235H	106-1835H	106-2235H	

### Bondable mini edgewise brackets

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	H105-18-1	H105-22-1
with Hooks on 3's	H105-18-2	H105-22-2
with Hooks on 3,4,5's	H105-18-3	H105-22-3

### Bondable standard edgewise brackets

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	H106-18-1	H106-22-1
with Hooks on 3's	H106-18-2	H106-22-2
with Hooks on 3,4,5's	H106-18-3	H106-22-3

Superior

MIM monoblock ROTH brackets

0.018"/0.022"



Brackets		Description	Torque	Ang.	width	Side	Slot	
							.018"	.022"
MAXILLARY	Centrals	/	12°	5°	3.2mm	R	121-1811	121-2211
						L	121-1821	121-2221
	Laterals	/	8°	9°	2.8mm	R	121-1812	121-2212
						L	121-1822	121-2222
	Cuspids	without hook	0°	11°	2.8mm	R	121-1813	121-2213
						L	121-1823	121-2223
		with hook	0°	11°	2.8mm	R	121-1813H	121-2213H
						L	121-1823H	121-2223H
	Bicuspids	without hook	-7°	0°	2.8mm	R	121-1815	121-2215
						L	121-1825	121-2225
with hook		-7°	0°	2.8mm	R	121-1815H	121-2215H	
					L	121-1825H	121-2225H	
MANDIBULAR	Lower Anteriors	/	-1°	0°	2.3mm	/	121-1841	121-2241
	Cuspids	without hook	-11°	5°	2.8mm	R	121-1843	121-2243
						L	121-1833	121-2233
		with hook	-11°	5°	2.8mm	R	121-1843H	121-2243H
						L	121-1833H	121-2233H
	1 <sup>st</sup> Bicuspids	without hook	-17°	0°	2.8mm	R	121-1844	121-2244
						L	121-1834	121-2234
		with hook	-17°	0°	2.8mm	R	121-1844H	121-2244H
						L	121-1834H	121-2234H
	2 <sup>nd</sup> Bicuspids	without hook	-22°	0°	2.8mm	R	121-1845	121-2245
L						121-1835	121-2235	
with hook		-22°	0°	2.8mm	R	121-1845H	121-2245H	
					L	121-1835H	121-2235H	

### Superior monoblock mini ROTH brackets

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	H121-18-1	H121-22-1
with Hooks on 3's	H121-18-2	H121-22-2
with Hooks on 3,4,5's	H121-18-3	H121-22-3



## Superior MIM monoblock MBT brackets 0.018"/0.022"



Brackets		Description	Torque	Ang.	width	Side	Slot	
							.018"	.022"
MAXILLARY	Centrals	/	17°	4°	3.2mm	R	122-1811	122-2211
						L	122-1821	122-2221
	Laterals	/	10°	8°	2.8mm	R	122-1812	122-2212
						L	122-1822	122-2222
	Cuspids	without hook	0°	8°	2.8mm	R	122-1813	122-2213
						L	122-1823	122-2223
		with hook	0°	8°	2.8mm	R	122-1813H	122-2213H
						L	122-1823H	122-2223H
	Bicuspids	without hook	-7°	0°	2.8mm	R	122-1815	122-2215
						L	122-1825	122-2225
with hook		-7°	0°	2.8mm	R	122-1815H	122-2215H	
					L	122-1825H	122-2225H	
MANDIBULAR	Lower Anteriors	/	-6°	0°	2.3mm	/	122-1841	122-2241
	Cuspids	without hook	-6°	3°	2.8mm	R	122-1843	122-2243
						L	122-1833	122-2233
		with hook	-6°	3°	2.8mm	R	122-1843H	122-2243H
						L	122-1833H	122-2233H
	1 <sup>st</sup> Bicuspids	without hook	-12°	0°	2.8mm	R	122-1844	122-2244
						L	122-1834	122-2234
		with hook	-12°	0°	2.8mm	R	122-1844H	122-2244H
						L	122-1834H	122-2234H
	2 <sup>nd</sup> Bicuspids	without hook	-17°	0°	2.8mm	R	122-1845	122-2245
L						122-1835	122-2235	
with hook		-17°	0°	2.8mm	R	122-1845H	122-2245H	
					L	122-1835H	122-2235H	

## Superior monoblock mini MBT brackets

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	H122-18-1	H122-22-1
with Hooks on 3's	H122-18-2	H122-22-2
with Hooks on 3,4,5's	H122-18-3	H122-22-3



## Mini Vertical slot ROTH/MBT brackets 0.022"



### Mini vertical slot ROTH brackets

Description / 5-5,20pcs	Item NO.
	.022"
without Hooks	H113-22-1
with Hooks on 3's	H113-22-2
with Hooks on 3,4,5's	H113-22-3

### Mini vertical slot MBT brackets

Description / 5-5,20pcs	Item NO.
	.022"
without Hooks	H114-22-1
with Hooks on 3's	H114-22-2
with Hooks on 3,4,5's	H114-22-3

## Dazzle Series ROTH brackets 0.022"



### Dazzle Series ROTH brackets

Description / 5-5,20pcs	Item NO.
	.022"
without Hooks	H190-22-1
with Hooks on 3's	H190-22-2
with Hooks on 3,4,5's	H190-22-3

## Lingual brackets

0.018"/0.022"

Brackets		Description	Torque	Ang.	width	Side	Slot	
							.018"	.022"
MAXILLARY	Centrals	with hook	-30°	0°	2.6mm	R	115-1811H	115-2211H
						L	115-1821H	115-2221H
	Laterals	with hook	-30°	0°	2.6mm	R	115-1812H	115-2212H
						L	115-1822H	115-2222H
	Cuspids	with hook	-30°	0°	2.6mm	R	115-1813H	115-2213H
						L	115-1823H	115-2223H
	1 <sup>st</sup> Bicuspid	/	-17°	0°	2.0mm	R	115-1814	115-2214
						L	115-1824	115-2224
	2 <sup>nd</sup> Bicuspid	/	-7°	0°	2.0mm	R	115-1815	115-2215
						L	115-1825	115-2225
MANDIBULAR	Centrals	with hook	-40°	0°	2.0mm	R	115-1841H	115-2241H
						L	115-1831H	115-2231H
	Laterals	with hook	-40°	0°	2.0mm	R	115-1842H	115-2242H
						L	115-1832H	115-2232H
	Cuspids	with hook	-40°	0°	2.0mm	R	115-1843H	115-2243H
						L	115-1833H	115-2233H
	1 <sup>st</sup> Bicuspid	/	-17°	0°	2.0mm	R	115-1844	115-2244
						L	115-1834	115-2234
	2 <sup>nd</sup> Bicuspid	/	-17°	0°	2.0mm	R	115-1845	115-2245
						L	115-1835	115-2235



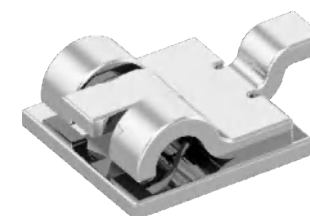
### 1D Lingual brackets

Description / 7-7,28pcs	Item NO.	
	.018"	.022"
with Hooks	H115-18-3	H115-22-3

## 2D Lingual brackets

0.018"/0.022"

Brackets		Description	Torque	Ang.	width	Side	Slot	
							.018"	.022"
MAXILLARY	Centrals	without hook	0°	0°	2.6mm	R	2115-1811	2115-2211
						L	2115-1821	2115-2221
		with hook	0°	0°	2.6mm	R	2115-1811H	2115-2211H
						L	2115-1821H	2115-2221H
	Laterals	without hook	0°	0°	2.6mm	R	2115-1812	2115-2212
						L	2115-1822	2115-2222
		with hook	0°	0°	2.6mm	R	2115-1812H	2115-2212H
						L	2115-1822H	2115-2222H
	Cuspids	without hook	0°	0°	2.6mm	R	2115-1813	2115-2213
						L	2115-1823	2115-2223
		with hook	0°	0°	2.6mm	R	2115-1813H	2115-2213H
						L	2115-1823H	2115-2223H
MANDIBULAR	Centrals	without hook	0°	0°	2.6mm	R	2115-1841	2115-2241
						L	2115-1831	2115-2231
		with hook	0°	0°	2.6mm	R	2115-1841H	2115-2241H
						L	2115-1831H	2115-2231H
	Laterals	without hook	0°	0°	2.6mm	R	2115-1842	2115-2242
						L	2115-1832	2115-2232
		with hook	0°	0°	2.6mm	R	2115-1842H	2115-2242H
						L	2115-1832H	2115-2232H
	Cuspids	without hook	0°	0°	2.6mm	R	2115-1843	2115-2243
						L	2115-1833	2115-2233
		with hook	0°	0°	2.6mm	R	2115-1843H	2115-2243H
						L	2115-1833H	2115-2233H
	Bicuspid	without hook	0°	0°	2.6mm	R	2115-1844	2115-2244
						L	2115-1834	2115-2234
		with hook	0°	0°	2.6mm	R	2115-1845	2115-2245
						L	2115-1835	2115-2235



### 2D Lingual brackets

Description / 7-7,28pcs	Item NO.	
	.018"	.022"
without Hooks	H2115-18-1	H2115-22-1
with Hooks on 1,2,3's	H2115-18-2	H2115-22-2
with Hooks on 1,2,3,4,5's	H2115-18-3	H2115-22-3



## N2D Lingual brackets

0.018"/0.022"

Brackets	Description	Torque	Ang.	width	Side	Slot	
						.018"	.022"
MAXILLARY	Centrals	with hook	0°	2.6mm	R	N2115-1811H	N2115-2211H
					L	N2115-1821H	N2115-2221H
	Laterals	with hook	0°	2.6mm	R	N2115-1812H	N2115-2212H
					L	N2115-1822H	N2115-2222H
	Cuspids	with hook	0°	2.6mm	R	N2115-1813H	N2115-2213H
					L	N2115-1823H	N2115-2223H
	1 <sup>st</sup> Bicuspid	/	0°	2.6mm	R	N2115-1814	N2115-2214
					L	N2115-1824	N2115-2224
	2 <sup>nd</sup> Bicuspid	/	0°	2.6mm	R	N2115-1815	N2115-2215
					L	N2115-1825	N2115-2225

MANDIBULAR	Centrals	with hook	0°	2.6mm	R	N2115-1841H	N2115-2241H
					L	N2115-1831H	N2115-2231H
	Laterals	with hook	0°	2.6mm	R	N2115-1842H	N2115-2242H
					L	N2115-1832H	N2115-2232H
	Cuspids	with hook	0°	2.6mm	R	N2115-1843H	N2115-2243H
					L	N2115-1833H	N2115-2233H
	1 <sup>st</sup> Bicuspid	/	0°	2.6mm	R	N2115-1844	N2115-2244
					L	N2115-1834	N2115-2234
	2 <sup>nd</sup> Bicuspid	/	0°	2.6mm	R	N2115-1845	N2115-2245
					L	N2115-1835	N2115-2235



## N2D Lingual brackets

Description / 7-7,28pcs	Item NO.	
	.018"	.022"
with Hooks on 1,2,3,4,5's	HN2115-18-1	HN2115-22-1

## First molar bondable brackets

0.018"/0.022"

Brackets	Description	Torque	Offest	width	Side	Slot	
						.018"	.022"
MAXILLARY	Roth	without hook	-9°	4.2mm	R	116-1816	116-2216
					L	116-1826	116-2226
		with hook	-9°	4.2mm	R	116-1816H	116-2216H
					L	116-1826H	116-2226H
	MBT	without hook	-14°	4.2mm	R	117-1816	117-2216
					L	117-1826	117-2226
		with hook	-14°	4.2mm	R	117-1816H	117-2226H
					L	117-1826H	117-2226H
	Edgewise	without hook	0°	4.2mm	R	118-1816	118-2216
					L	118-1826	118-2226
		with hook	0°	4.2mm	R	118-1816H	118-2216H
					L	118-1826H	118-2226H

Brackets	Description	Torque	Offest	width	Side	Slot	
						.018"	.022"
MANDIBULAR	Roth	without hook	-30°	4.2mm	R	116-1846	116-2246
					L	116-1836	116-2236
		with hook	-30°	4.2mm	R	116-1846H	116-2246H
					L	116-1836H	116-2236H
	MBT	without hook	-20°	4.2mm	R	117-1846	117-2246
					L	117-1836	117-2236
		with hook	-20°	4.2mm	R	117-1846H	117-2246H
					L	117-1836H	117-2236H
	Edgewise	without hook	0°	4.2mm	R	118-1846	118-2246
					L	118-1836	118-2236
		with hook	0°	4.2mm	R	118-1846H	118-2246H
					L	118-1836H	118-2236H

## First molar bondable ROTH brackets

Description / 1-1,4pcs	Item NO.	
	.018"	.022"
with Hooks	H116-18-1	H116-22-1
without Hooks	H116-18-2	H116-22-2

## First molar bondable MBT brackets

Description / 1-1,4pcs	Item NO.	
	.018"	.022"
with Hooks	H117-18-1	H117-22-1
without Hooks	H117-18-2	H117-22-2

## First molar bondable edgewise brackets

Description / 1-1,4pcs	Item NO.	
	.018"	.022"
with Hooks	H118-18-1	H118-22-1
without Hooks	H118-18-2	H118-22-2



## SAPPHIRE CERAMIC BRACKETS

Advanced ceramic material for smoother surfaces, superior strength and fracture resistance.

Smooth rounded edges providing exceptional patient comfort

Mesh base with uniquely designed. undercuts for secure and reliable bonding and trouble-free debonding.

Low profile design for patient comfort.



**Comfortable feeling**  
Rounded edge bracket  
Low profile



**Excellent sliding**  
Excellent performance like metal bracket



**Easy bonding/debonding**  
Dfm(double fusing method)  
Low node strength  
Unique heat-treatment



**Clearness**  
Monocrystalline sapphire  
Transparent bracket  
Outstanding aesthetic feature  
Good balance with any colors of teeth

## Sapphire ceramic ROTH brackets 0.018"/0.022"



Brackets		Description	Torque	Ang.	width	Side	Slot	
							.018"	.022"
MAXILLARY	Centrals	/	12°	5°	3.2mm	R	131-1811	131-2211
						L	131-1821	131-2221
	Laterals	/	8°	9°	2.95mm	R	131-1812	131-2212
						L	131-1822	131-2222
	Cuspids	without hook	0°	8°	3.2mm	R	131-1813	131-2213
						L	131-1823	131-2223
		with hook	0°	8°	3.2mm	R	131-1813H	131-2213H
						L	131-1823H	131-2223H
	Bicuspids	without hook	-7°	0°	3.2mm	R	131-1815	131-2215
						L	131-1825	131-2225
		with hook	-7°	0°	3.2mm	R	131-1815H	131-2215H
						L	131-1825H	131-2225H
MANDIBULAR	Lower Anteriors	/	0°	0°	2.85mm	/	131-1841	131-2241
	Cuspids	without hook	-11°	7°	3.5mm	R	131-1843	131-2243
						L	131-1833	131-2233
		with hook	-11°	7°	3.5mm	R	131-1843H	131-2243H
						L	131-1833H	131-2233H
	1 <sup>st</sup> Bicuspids	without hook	-17°	3°	3.2mm	R	131-1844	131-2244
						L	131-1834	131-2234
		with hook	-17°	3°	3.2mm	R	131-1844H	131-2244H
						L	131-1834H	131-2234H
	2 <sup>nd</sup> Bicuspids	without hook	-22°	6°	3.2mm	R	131-1845	131-2245
						L	131-1835	131-2235
		with hook	-22°	6°	3.2mm	R	131-1845H	131-2245H
L						131-1835H	131-2235H	

## Sapphire ceramic ROTH brackets

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
with Hooks on 3's	H131-18-2	H131-22-2
with Hooks on 3,4, 5's	H131-18-3	H131-22-3

## Sapphire ceramic MBT brackets 0.018"/0.022"



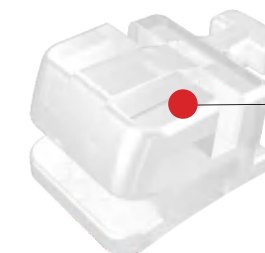
Brackets		Description	Torque	Ang.	width	Side	Slot	
							.018"	.022"
MAXILLARY	Centrals	/	17°	4°	3.2mm	R	132-1811	132-2211
						L	132-1821	132-2221
	Laterals	/	10°	8°	2.95mm	R	132-1812	132-2212
						L	132-1822	132-2222
	Cuspids	without hook	0°	8°	3.2mm	R	132-1813	132-2213
						L	132-1823	132-2223
		with hook	0°	8°	3.2mm	R	132-1813H	132-2213H
						L	132-1823H	132-2223H
	Bicuspids	without hook	-7°	0°	3.2mm	R	132-1815	132-2215
						L	132-1825	132-2225
with hook		-7°	0°	3.2mm	R	132-1815H	132-2215H	
					L	132-1825H	132-2225H	
MANDIBULAR	Lower Anteriors	/	-6°	0°	2.85mm	/	132-1841	132-2241
	Cuspids	without hook	0°	3°	3.5mm	R	132-1843	132-2243
						L	132-1833	132-2233
		with hook	0°	3°	3.5mm	R	132-1843H	132-2243H
						L	132-1833H	132-2233H
	1 <sup>st</sup> Bicuspids	without hook	-12°	2°	3.2mm	R	132-1844	132-2244
						L	132-1834	132-2234
		with hook	-12°	2°	3.2mm	R	132-1844H	132-2244H
						L	132-1834H	132-2234H
	2 <sup>nd</sup> Bicuspids	without hook	-17°	2°	3.2mm	R	132-1845	132-2245
						L	132-1835	132-2235
		with hook	-17°	2°	3.2mm	R	132-1845H	132-2245H
					L	132-1835H	132-2235H	

## Sapphire ceramic MBT brackets

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
with Hooks on 3's	H132-18-2	H132-22-2
with Hooks on 3,4, 5's	H132-18-3	H132-22-3

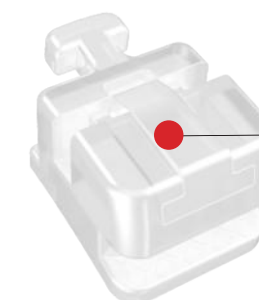
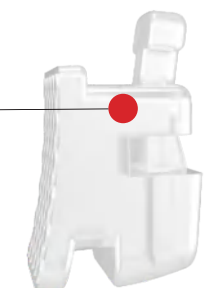
# Ceramic bracket Series

## Ceramic Self-Ligating Bracket



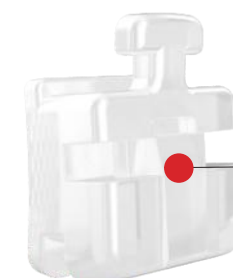
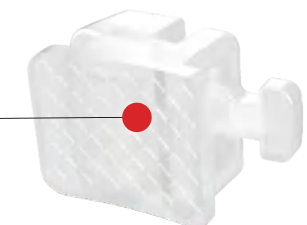
CIM Process for More accurate data

Rounded contours, smooth and pleasant,  
ultra-Slim design reduces bite interference



Crystal-clear and translucent appearance

Specially processed base, Increase the adhesive  
strength



Passive sliding design, lower friction and convenient  
for the placement of the wire. Mandibular 2nd bicuspid  
with metal self-ligating bracket.



# Brackets

## Ceramic Self-ligating Roth brackets 0.022"



Brackets		Description	Torque	Ang.	width	Side	Slot .022"
MAXILLARY	Centrals	/	12°	5°	3.2mm	R	2133-2211
						L	2133-2221
	Laterals	/	8°	9°	2.95mm	R	2133-2212
						L	2133-2222
	Cuspids	without hook	0°	8°	3.2mm	R	2133-2213
						L	2133-2223
		with hook	0°	8°	3.2mm	R	2133-2213H
						L	2133-2223H
	Bicuspid	without hook	-7°	0°	3.2mm	R	2133-2215
						L	2133-2225
		with hook	-7°	0°	3.2mm	R	2133-2215H
						L	2133-2225H
MANDIBULAR	Lower Anteriors	/	0°	0°	2.85mm	/	2133-2241
	Cuspids	without hook	-11°	7°	3.5mm	R	2133-2243
						L	2133-2233
		with hook	-11°	7°	3.5mm	R	2133-2243H
						L	2133-2233H
	1 <sup>st</sup> Bicuspid	without hook	-17°	3°	3.2mm	R	2133-2244
						L	2133-2234
		with hook	-17°	3°	3.2mm	R	2133-2244H
						L	2133-2234H
	2 <sup>nd</sup> Bicuspid	without hook	-22°	6°	3.2mm	R	2133-2245
						L	2133-2235
		with hook	-22°	6°	3.2mm	R	2133-2245H
						L	2133-2235H

## Ceramic Self-ligating ROTH brackets

Description / 5-5,20pcs	Item NO.
	.022"
with Hooks on 3'4'5'	H2133-22-3

# Brackets

## Ceramic Self-ligating MBT brackets 0.022"



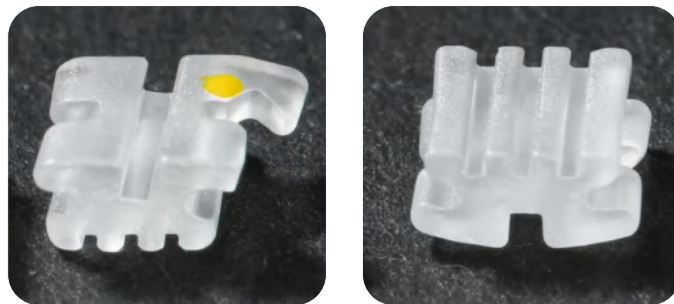
Brackets		Description	Torque	Ang.	width	Side	Slot .022"
MAXILLARY	Centrals	/	17°	4°	3.2mm	R	2134-2211
						L	2134-2221
	Laterals	/	10°	8°	2.95mm	R	2134-2212
						L	2134-2222
	Cuspids	without hook	0°	8°	3.2mm	R	2134-2213
						L	2134-2223
		with hook	0°	8°	3.2mm	R	2134-2213H
						L	2134-2223H
	Bicuspid	without hook	-7°	0°	3.2mm	R	2134-2215
						L	2134-2225
		with hook	-7°	0°	3.2mm	R	2134-2215H
						L	2134-2225H
MANDIBULAR	Lower Anteriors	/	-6°	0°	2.85mm	/	2134-2241
	Cuspids	without hook	0°	3°	3.5mm	R	2134-2243
						L	2134-2233
		with hook	0°	3°	3.5mm	R	2134-2243H
						L	2134-2233H
	1 <sup>st</sup> Bicuspid	without hook	-12°	2°	3.2mm	R	2134-2244
						L	2134-2234
		with hook	-12°	2°	3.2mm	R	2134-2244H
						L	2134-2234H
	2 <sup>nd</sup> Bicuspid	without hook	-17°	2°	3.2mm	R	2134-2245
						L	2134-2235
		with hook	-17°	2°	3.2mm	R	2134-2245H
						L	2134-2235H

## Ceramic Self-ligating MBT brackets

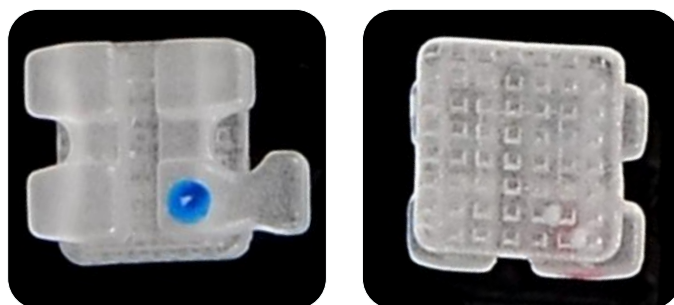
Description / 5-5,20pcs	Item NO.
	.022"
with Hooks on 3'4'5'	H2134-22-3

## CERAMIC BRACKETS

Using advanced CIM technology, the specially treated mesh base. Overcomes the shortcomings of the poor adhesion of the traditional ceramic bracket and also enhances the protection of the glazed surface.



- Smooth, flared archwire slot reduces friction and minimises binding and nothcing.
- Generous under tie wing area for easy and secure ligation .
- Mechanical lock base with dove tail grooves for for reliable and consistent and consistent bonding/debonding.



- High strength ligature provide safe and reliable, not easy to break.
- Easy ligature and elastic
- (1) High strength ligature wings provide safety and reliability, hard to fall off;  
(2) Easy for ligature ties and elastics placement;  
(3) Specially treated mesh base for easier adhesion.

## Ceramic ROTH brackets 0.018"/0.022"



Brackets		Description	Torque	Ang.	width	Side	Slot	
							.018"	.022"
MAXILLARY	Centrals	/	12°	5°	3.5mm	R	133-1811	133-2211
						L	133-1821	133-2221
	Laterals	/	8°	9°	3.3mm	R	133-1812	133-2212
						L	133-1822	133-2222
	Cuspids	without hook	-2°	10°	3.4mm	R	133-1813	133-2213
						L	133-1823	133-2223
		with hook	-2°	10°	3.4mm	R	133-1813H	133-2213H
						L	133-1823H	133-2223H
	Bicuspids	without hook	-7°	0°	3.3mm	R	133-1815	133-2215
						L	133-1825	133-2225
		with hook	-7°	0°	3.3mm	R	133-1815H	133-2215H
						L	133-1825H	133-2225H
MANDIBULAR	Lower Anteriors	/	0°	-1°	2.85mm	/	133-1841	133-2241
	Cuspids	without hook	-11°	7°	3.3mm	R	133-1843	133-2243
						L	133-1833	133-2233
		with hook	-11°	7°	3.3mm	R	133-1843H	133-2243H
						L	133-1833H	133-2233H
	1 <sup>st</sup> Bicuspids	without hook	-17°	0°	3.3mm	R	133-1844	133-2244
						L	133-1834	133-2234
		with hook	-17°	0°	3.3mm	R	133-1844H	133-2244H
						L	133-1834H	133-2234H
	2 <sup>nd</sup> Bicuspids	without hook	-22°	0°	3.3mm	R	133-1845	133-2245
						L	133-1835	133-2235
		with hook	-22°	0°	3.3mm	R	133-1845H	133-2245H
L						133-1835H	133-2235H	

### Ceramic ROTH brackets (Groove base)

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	H133-18-1	H133-22-1
with Hooks on 3's	H133-18-2	H133-22-2
with Hooks on 3,4, 5's	H133-18-3	H133-22-3

### Ceramic ROTH brackets (Mesh base)

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	HN133-18-1	HN133-22-1
with Hooks on 3's	HN133-18-2	HN133-22-2
with Hooks on 3,4, 5's	HN133-18-3	HN133-22-3

## Ceramic MBT brackets 0.018"/0.022"



Brackets		Description	Torque	Ang.	width	Side	Slot	
							.018"	.022"
MAXILLARY	Centrals	/	17°	4°	3.5mm	R	134-1811	134-2211
						L	134-1821	134-2221
	Laterals	/	10°	8°	3.3mm	R	134-1812	134-2212
						L	134-1822	134-2222
	Cuspids	without hook	0°	8°	3.4mm	R	134-1813	134-2213
						L	134-1823	134-2223
		with hook	0°	8°	3.4mm	R	134-1813H	134-2213H
						L	134-1823H	134-2223H
	Bicuspid	without hook	-7°	0°	3.3mm	R	134-1815	134-2215
						L	134-1825	134-2225
MANDIBULAR	Lower Anteriors	/	-6°	0°	2.85mm	/	134-1841	134-2241
	Cuspids	without hook	-6°	3°	3.3mm	R	134-1843	134-2243
						L	134-1833	134-2233
		with hook	-6°	3°	3.3mm	R	134-1843H	134-2243H
						L	134-1833H	134-2233H
	1 <sup>st</sup> Bicuspid	without hook	-12°	2°	3.3mm	R	134-1844	134-2244
						L	134-1834	134-2234
		with hook	-12°	2°	3.3mm	R	134-1844H	134-2244H
						L	134-1834H	134-2234H
	2 <sup>nd</sup> Bicuspid	without hook	-17°	2°	3.3mm	R	134-1845	134-2245
						L	134-1835	134-2235
		with hook	-17°	2°	3.3mm	R	134-1845H	134-2245H
						L	134-1835H	134-2235H

### Ceramic MBT brackets (Groove base)

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	H134-18-1	H134-22-1
with Hooks on 3's	H134-18-2	H134-22-2
with Hooks on 3,4, 5's	H134-18-3	H134-22-3

### Ceramic MBT brackets (Mesh base)

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
without Hooks	HN134-18-1	HN134-22-1
with Hooks on 3's	HN134-18-2	HN134-22-2
with Hooks on 3,4, 5's	HN134-18-3	HN134-22-3

## Ceramic edgewise brackets 0.018"/0.022"



Brackets		Description	Torque	Ang.	width	Side	Slot	
							.018"	.022"
MAXILLARY	Centrals	/	0°	0°	3.5mm	R	135-1811	135-2211
						L	135-1821	135-2221
	Laterals	/	0°	0°	3.3mm	R	135-1812	135-2212
						L	135-1822	135-2222
	Cuspids	without hook	0°	0°	3.4mm	R	135-1813	135-2213
						L	135-1823	135-2223
		with hook	0°	0°	3.4mm	R	135-1813H	135-2213H
						L	135-1823H	135-2223H
	Bicuspid	without hook	0°	0°	3.3mm	R	135-1815	135-2215
						L	135-1825	135-2225
MANDIBULAR	Lower Anteriors	/	0°	0°	2.85mm	/	135-1841	135-2241
	Cuspids	without hook	0°	0°	3.3mm	R	135-1843	135-2243
						L	135-1833	135-2233
		with hook	0°	0°	3.3mm	R	135-1843H	135-2243H
						L	135-1833H	135-2233H
	1 <sup>st</sup> Bicuspid	without hook	0°	0°	3.3mm	R	135-1844	135-2244
						L	135-1834	135-2234
		with hook	0°	0°	3.3mm	R	135-1844H	135-2244H
						L	135-1834H	135-2234H
	2 <sup>nd</sup> Bicuspid	without hook	0°	0°	3.3mm	R	135-1845	135-2245
						L	135-1835	135-2235
		with hook	0°	0°	3.3mm	R	135-1845H	135-2245H
						L	135-1835H	135-2235H

### Ceramic edgewise brackets ( Groove base)

Description / 5-5,20pcs	Item NO.	
	.018"	.022"
with Hooks on 3's	H135-18-2	H135-22-2
with Hooks on 3,4,5's	H135-18-3	H135-22-3



# PATENT PRODUCTS



PATENT NO.: 201420752462.4

## NEW PATENT

### Light-Force Low Friction Brackets

Dr. Guangzeng Wu



The vertical slot of bracket ligature wing adopts the concave design.



This new innovative design can cause point contact between orthodontic archwire and bracket, and no contact with the concave bottom, it reduce the friction a lot. And the patients will feel better comfortable than normal brackets. Also this bracket still keep the rectangular slot, when the rectangular archwire put in the slot, the third order bend will be displayed.



The design of vertical holes at the basal part of the brackets .



There is only one vertical hole in each four lower incisors and two vertical holes for rest eight ones. These holes can insert the orthodontic accessories to cure different patients.

- 1.Uprighting spring, can correct crown angulations ;
- 2.Rotating spring, can correct the torsion;
- 3.Other orthodontic accessories as ligature wire or fixed auxiliary archwire.

New patent  
Light-force low friction ROTH brackets  
0.022"



Brackets		Description	Torque	Ang.	width	Side	Slot .022"
MAXILLARY	Centrals	/	12°	5°	3.2mm	R	181-2211
						L	181-2221
	Laterals	/	8°	9°	2.8mm	R	181-2212
						L	181-2222
	Cuspids	without hook	0°	11°	2.8mm	R	181-2213
						L	181-2223
		with hook	0°	11°	2.8mm	R	181-2213H
						L	181-2223H
	Bicuspid	without hook	-7°	0°	2.8mm	R	181-2215
						L	181-2225
MANDIBULAR						R	181-2215H
						L	181-2225H
	Lower Anteriors	/	-1°	0°	2.3mm	/	181-2241
	Cuspids	without hook	-11°	5°	2.8mm	R	181-2243
						L	181-2233
		with hook	-11°	5°	2.8mm	R	181-2243H
						L	181-2233H
	1 <sup>st</sup> Bicuspid	without hook	-17°	0°	2.8mm	R	181-2244
						L	181-2234
		with hook	-17°	0°	2.8mm	R	181-2244H
						L	181-2234H
	2 <sup>nd</sup> Bicuspid	without hook	-22°	0°	2.8mm	R	181-2245
						L	181-2235
						R	181-2245H
						L	181-2235H

## New Patent ROTH brackets

Description / 7-7,28pcs	Item NO. .022"
without Hooks	H181-22-1
with Hooks on 3's	H181-22-2
with Hooks on 3,4,5's	H181-22-3

New patent  
Light-force low friction MBT brackets  
0.022"



Brackets		Description	Torque	Ang.	width	Side	Slot .022"
MAXILLARY	Centrals	/	17°	4°	3.2mm	R	182-2211
						L	182-2221
	Laterals	/	10°	8°	2.8mm	R	182-2212
						L	182-2222
	Cuspids	without hook	0°	8°	2.8mm	R	182-2213
						L	182-2223
		with hook	0°	8°	2.8mm	R	182-2213H
						L	182-2223H
	Bicuspid	without hook	-7°	0°	2.8mm	R	182-2215
						L	182-2225
MANDIBULAR						R	182-2215H
						L	182-2225H
	Lower Anteriors	/	-6°	0°	2.3mm	/	182-2241
	Cuspids	without hook	-6°	3°	2.8mm	R	182-2243
						L	182-2233
		with hook	-6°	3°	2.8mm	R	182-2243H
						L	182-2233H
	1 <sup>st</sup> Bicuspid	without hook	-12°	0°	2.8mm	R	182-2244
						L	182-2234
		with hook	-12°	0°	2.8mm	R	182-2244H
						L	182-2234H
	2 <sup>nd</sup> Bicuspid	without hook	-17°	0°	2.8mm	R	182-2245
						L	182-2235
						R	182-2245H
						L	182-2235H

## New Patent MBT brackets

Description / 7-7,28pcs	Item NO. .022"
without Hooks	H182-22-1
with Hooks on 3's	H182-22-2
with Hooks on 3,4,5's	H182-22-3

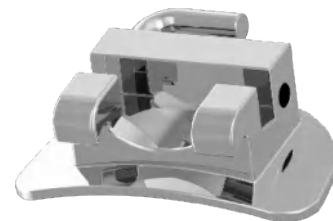
## 2D First molar bondable brackets

0.018"/0.022"

The suited First Molar brackets upgrade to second generation First Molar brackets

The structure of the second generation bracket gum side is buccal tube, in order to put the auxiliary arch of anterior teeth intrusion. It provides an advantageous method for deep overbite and anterior crossbite orthodontics.

Due to the First Molar changing to Molar bracket, it is easy to change and adjust the wire. And it can avoid the situation of archwire should go though the First Molar buccal and Second Molar buccal continuously, and the passive status of excessive resistance from the archwire changing.



Brackets	Description	Torque	Offest	width	Side	Slot	
						.018"	.022"
MAXILLARY	Roth	without hook	-9°	4.2mm	R	2116-1816	2116-2216
					L	2116-1826	2116-2226
		with hook	-9°	4.2mm	R	2116-1816H	2116-2216H
					L	2116-1826H	2116-2226H
	MBT	without hook	-14°	4.2mm	R	2117-1816	2117-2216
					L	2117-1826	2117-2226
		with hook	-14°	4.2mm	R	2117-1816H	2117-2226H
					L	2117-1826H	2117-2226H

Brackets	Description	Torque	Offest	width	Side	Slot	
						.018"	.022"
MANDIBULAR	Roth	without hook	-30°	4.2mm	R	2116-1846	2116-2246
					L	2116-1836	2116-2236
		with hook	-30°	4.2mm	R	2116-1846H	2116-2246H
					L	2116-1836H	2116-2236H
	MBT	without hook	-20°	4.2mm	R	2117-1846	2117-2246
					L	2117-1836	2117-2236
		with hook	-20°	4.2mm	R	2117-1846H	2117-2246H
					L	2117-1836H	2117-2236H

### 2D First molar bondable ROTH brackets

Description /1-1,4pcs	Item NO.	
	.018"	.022"
with Hooks	H2116-18-1	H2116-22-1
without Hooks	H2116-18-2	H2116-22-2

### 2D First molar bondable MBT brackets

Description /1-1,4pcs	Item NO.	
	.018"	.022"
with Hooks	H2117-18-1	H2117-22-1
without Hooks	H2117-18-2	H2117-22-2

## Molar Propeller

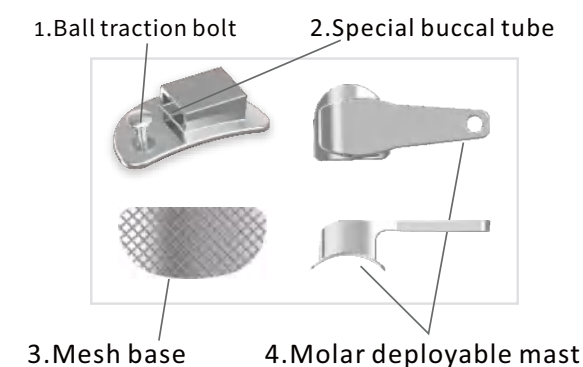
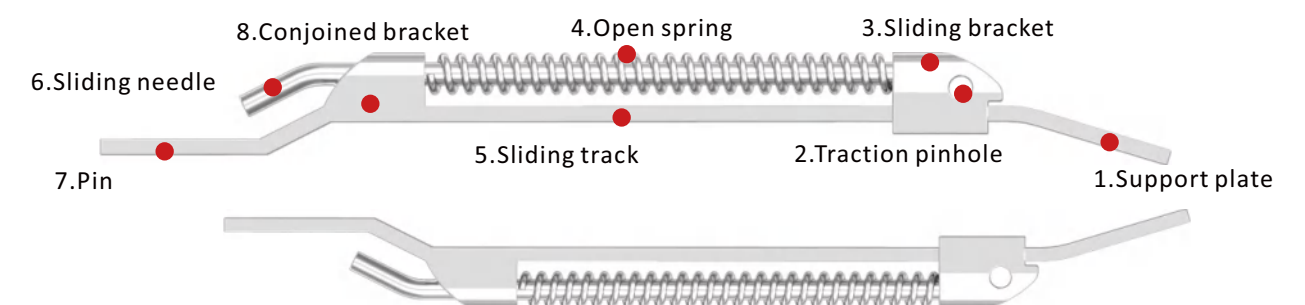
PATENT NO.: 201420650167.8

### Forward-push buccal tube of the molar propeller

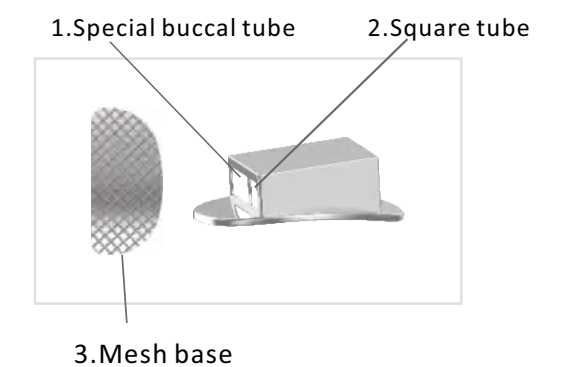
PATENT NO.: 2014204517830

### Back-push buccal tube of the molar propeller

PATENT NO.: 2014204499495



Forward-push bondable buccal tube



Back-push bondable buccal tube

### Forward-push buccal tube of the molar propeller

Description		Item NO.
Molar propeller	2pcs	
Forward-push buccal tube	4pcs	
		H188-1

### Back-push buccal tube of the molar propeller

Description		Item NO.
Molar propeller	2pcs	
Back-push buccal tube	2pcs	
		H188-2



## Bondable Power Hook

PATENT NO.:201921100552.4



Multi-functional bondable power hook



Bondable Traction power hook

### Multi-functional bondable power hook

Mesh base, the front has upper and lower traction slots,a Ball traction bolt in the middle of the slot. Orthodontists can use different height hooks to pull the elastic according to the correction of dental cases. The uppermost slot can moved root by the elastic , The middle Ball traction bolt could the parallel movement of the teeth,the slot at the bottom can moved crown.Suitable for: adduction of maxillary anterior teeth, closure of space, correction of black triangle, parallel movement of molars, intermaxillary elastic traction, etc.

Case1



Case2



### Multi-functional bondable power hook

Description(4pcs/pk)	Item NO.
Multi-functional bondable power hook	H183-1

### Bondable Traction power hook

Description(10pcs/pk)	Item NO.
Bondable Traction power hook-Left	H184-1-L
Bondable Traction power hook-Right	H184-1-R

## First Molar Paraller Movement Buccal Tube

PATENT NO.:ZL201721002243.4



1.When 6 # molar is missing and 7 # molar need to be parallel moved near the mesial to close the space and 7#molar crowns and roots are erect, use the micro screw and molar parallel movement buccal tube (chain or close spring) to close the space.

2.When 6# molar is missing, 7# molar is mesial inclination,When the crown was basically upright by archwire ,Use the molar parallel movement buccal tube to make the root move more than the crown, so that the 7#,molar is vertical while approaching the mesial, and close the space.

3.When the crown of the 7# molar is in place but the root is still in distal,In addition to the method of bonding the 7# buccal tube in the mesial direction toward the gingival,Use the molar parallel movement buccal tube and the conventional traction wire to pull (chain or close spring) can moved 7# molar root by the elastic

4. The three hooks are combined with the elastic traction force: according to the influence of the tooth impedance center,the hook (close root) can moved root,the middle hook could the parallel movement of the teeth,the hook (close crown) can tilt moves.



Dr. Guangzeng Wu

### First Molar Parallel Movement Buccal Tube

Description(4pcs/pk)	Item NO.
First Molar Parallel Movement Buccal Tube	H189-1

## Operating manual of linkage pull rod appliance

PATENT NO.:ZL202120529775.3

### Patented products: Class II linkage pull rod operating instructions

Class II linkage pull rod is a matching device for correcting Angle Class II Class I malocclusion(deep coverage ) and lower fixed tongue arch. The upper maxillary device is a patented device, three-hook linkage pull rod.

#### Indications

Primary treatment of patients with class II and class I malocclusion (deep coverage).

The upper maxillary linkage pull rod can be used with zygomatic screw, tension spring or rubber chain to pull the upper maxillary dentition to move far away, and the design of reducing upper jaw third molar is usually adopted. Provide necessary space for the distal movement of upper maxillary dentition.Teenage patients are generally not designed for tooth extraction.

#### Intermaxillary Traction

Compound Class II elastic traction was adopted, and orthodontic elastics were hooked at the proximal canines of the upper maxillary three-hook linkage pull rod to the traction hooks of lower maxillary molars with annular buccal tube and the traction hooks of lingual arch molars respectively. It is recommended to use gravity rubber bands, apply 150g ~ 250g of force on each side, and implement 24-hour elastic traction (except eating and brushing teeth).

#### Orthodontic Objectives

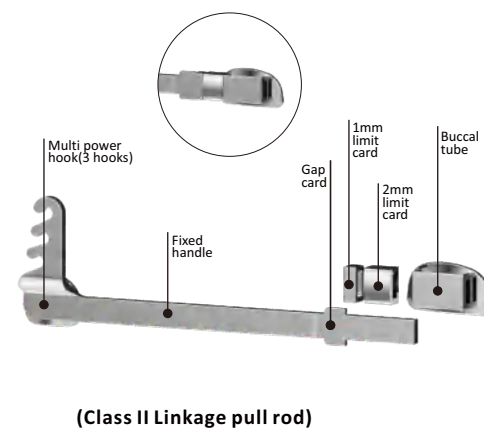
The distal-medial relationship between molars and canines was adjusted to neutral-mesial relationship, which provided favorable conditions for the second stage treatment and reduced the difficulty of class II malocclusion correction.

#### Key Points for Purchasing Products and Clinical Assembly

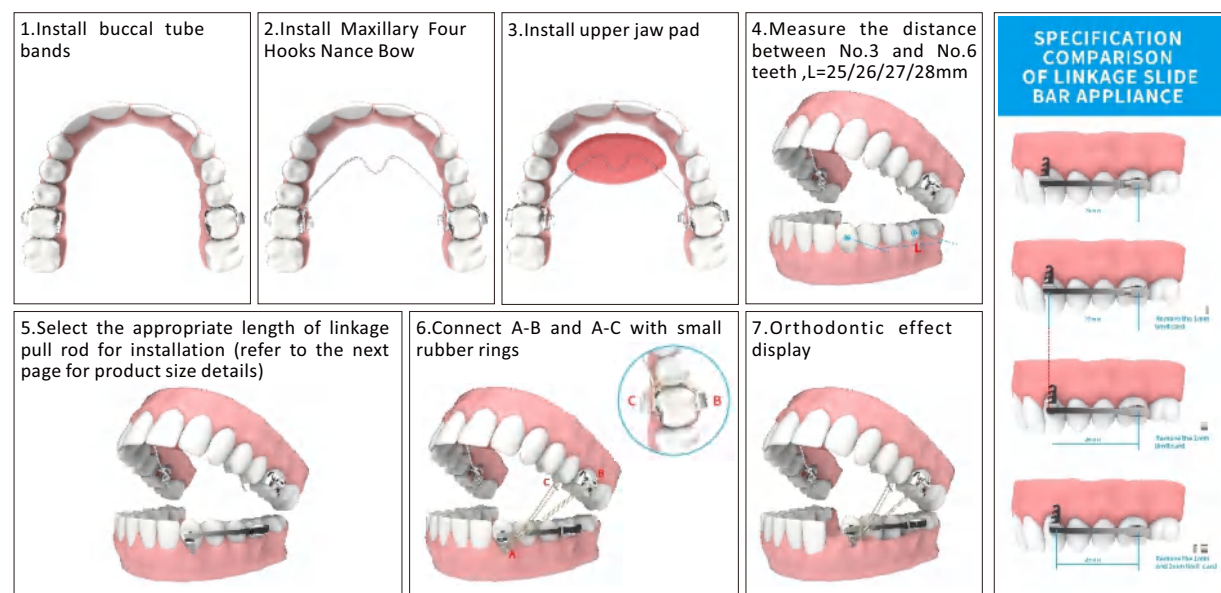
Choose the appropriate product size of Class II linkage pull rod: measure the distance from the midpoint of the buccal mesodistal diameter of the patient's upper maxillary first molar to the mesodistal 1/3 of the upper collar canine crown lip, which is the length of the linkage pull rod. (Normally 25mm to [Key Points for Purchasing Products and Clinical Assembly] 28mm)

#### Assemble linkage pull rod

Measure and select the length of linkage tie rod outside the mouth, and the gap card of tie rod embedded in buccal tube of molars should be firm. According to the same procedure for bonding buccal tubes of molars, the labial and buccal surfaces of the first molars and canines of the upper collar are routinely cleaned, etched and dried, and a thin layer is coated on the two ends of the linkage pull rod, that is, the molar end and canine end mesh bottom, and placed on the molar and canine surfaces at the same time. Press gently to make the mesh bottom close to the tooth surface, remove the overflow material with dental probe, irradiate with light curing technology, and then the resin can [Assemble linkage pull rod]be hardened.



(Class II Linkage pull rod)



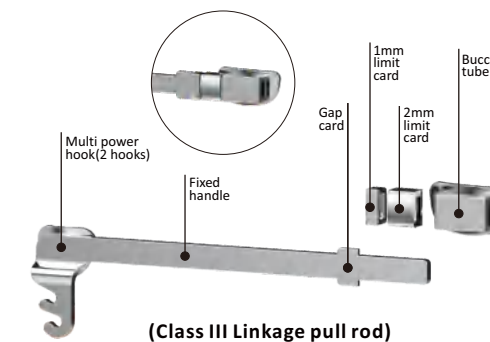
### Patented products: Class III linkage pull rod operating instructions

Class III linkage pull rod is a matching device of Wu's anti-closure III appliance.The upper device is a patented four-hook Nance bow, and the lower maxillary is a two-hook linkage pull rod.

#### Indications

Primary treatment of patients with mild and moderate skeletal reunion.

The lower Class III linkage pull rod can be used with buccal shed screw and tension spring or power chain to pull down the maxillary dentition and move far away, and most of them adopt the design of reducing molars. The third molar of lower maxillary is usually extracted for mild skeletal reunion, and the second molar of lower maxillary is recommended for moderate skeletal reunion (with normal third molar). Provide necessary space for the distal movement of lower maxillary dentition. Tooth extraction is generally not designed for children with skeletal reunion.



(Class III Linkage pull rod)

#### Intermaxillary Traction

Compound Class II elastic traction was adopted, that is, Nance bow with four hooks on the upper maxillary, and rubber bands were hung on the inner and outer sides of the buccal tube with ring of molars to the traction hooks at the canines of the left and right linkage pull rods. It is recommended to use gravity rubber bands, apply 150g ~ 250g of force on each side, and implement 24-hour elastic traction (except eating and brushing teeth).

#### Correcting cases of skeletal malocclusion, also known as skeletal Class III malocclusion



#### Orthodontic Objectives

Adjusting the mesial relationship between molars and canines to neutral and remote mesial relationship provides favorable conditions for the second stage treatment and reduces the difficulty of orthodontic treatment.

#### Key Points for Purchasing Products and Clinical Assembly

Choose the appropriate product size of III linkage pull rod: measure the distance from the midpoint of buccal mesiodistal diameter of the patient's lower first molar to the mesiodistal 1/3 of the lower canine crown lip, which is the length of linkage pull rod. (Normally 25mm to 28mm)

#### Assemble linkage pull rod

Measure and select the length of linkage tie rod outside the mouth, and the gap card of tie rod embedded in buccal tube of molars should be firm. According to the same procedure for bonding buccal tubes of molars, the labial and buccal surfaces of the first molars and canines with lower collar are routinely cleaned, etched and dried. A thin layer is coated with light-cured resin material at both ends of the linkage pull rod, that is, the molar end and canine end mesh bottom, and placed on the molar and canine surfaces at the same time. Press gently to make the mesh bottom close to the tooth surface, remove the overflow material with dental probe, irradiate with light curing technology, and then the resin is hardened.

#### Operating manual of linkage pull rod appliance

Description(1pcs/pk)	position	Item NO.
Class II linkage pull rod	maxillary	H185-1
Class III linkage pull rod	mandible	H185-2



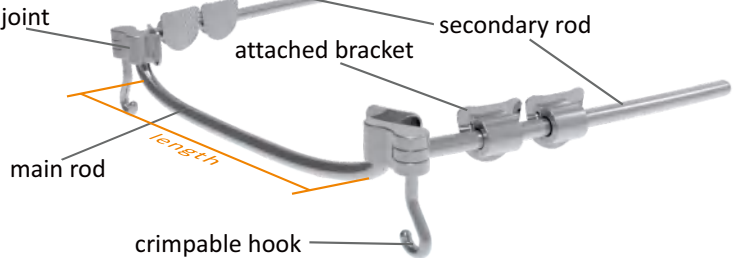
PATENT NO.: 201911027508.X

# NEW PATENT

Mandibular arch expansion device  
A mandibular anterior teeth  
Anchorage device for orthodontics  
Dr. Dongbo Zhu



1. The device consists of a main rod, two secondary rods, joints connecting the main rod to the secondary rod and crimpable hooks. where it states main rod is in the shape of a dental arch and made of round stainless steel wire. At the left and right ends of the main rod is designed crimpable hooks, and each shank of the hook has a secondary rod through the joint respectively, and each secondary rod is designed with 2-3 attachment brackets each. Wherein said main rod is in the shape of a dental arch and made of round stainless steel wire. At the left and right ends of the main rod is designed crimpable hooks, and each shank of the hook has a secondary rod through the joint respectively, and each secondary rod is designed with 2-3 attachment brackets each. At the left and right ends of the main rod is designed crimpable hooks, and each shank of the hook has a secondary rod through the joint respectively, and each secondary rod is designed with 2-3 attachment brackets each.



2. The main rod is prefabricated from 1.2mm round stainless steel wire, whose arc shape is consistent with the arc shape of the dental arch of the anterior segment of the mandibular anterior teeth and the middle segment of the mandibular teeth in the human oral cavity, forming an arch-like filament form.
3. The crimpable hooks are bent from the two ends of the main rod, located on both sides of the dental bed of the mandibular cuspid labial cervical, the ones are perpendicular to the main rod, its length is 5-10mm, the diameter of the crimpable hook is 1-2mm, the direction of hook opening are facing the midpoint of the main rod, the crimpable hooks and the rod are integrated.
4. The joint is a hinged structure, one end is attached to the hook shank of the crimpable hook at the end of the main rod, and the other end is fixed to one end of the secondary bar, and the secondary bar can be rotated by the joint; there is also an attached bracket fixed on one side of the joint.
5. The attached bracket, two movable tubular attachments, is attached to the secondary rod by the movable tube, and can be freely adjusted in position.

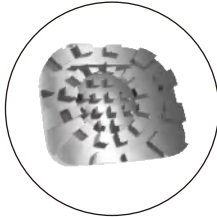
Mandibular arch expansion device(length)

Description(1pcs/pk)	Item NO.
Long	H517-1
Middle	H517-2
Short	H517-3

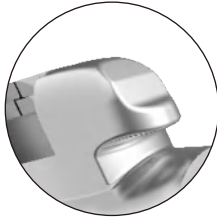
## Patent Products



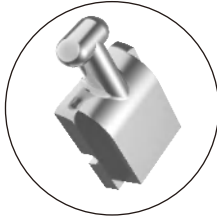
# “SHELL” SELF-LIGATING BRACKETS



Upgraded mesh base  
The circular concave surface with a radial linear groove makes the bonding stronger.



Exquisite tooth control  
The height of the bracket occlusal wings is gradually reduced to avoid shedding.



One-piece optimization  
The integrated design of the traction hook and locking plate makes operation more convenient.



Patient comfort  
Exclusive patented design reduces overall thickness.

“Shell” self-ligating brackets MBT torque

Description / 7-7,28pcs	Item NO.
with Hooks on 3,4, 5's	.022" H151-22-3

# ORTHODONTIC BUCCAL TUBES

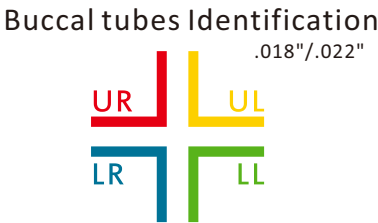
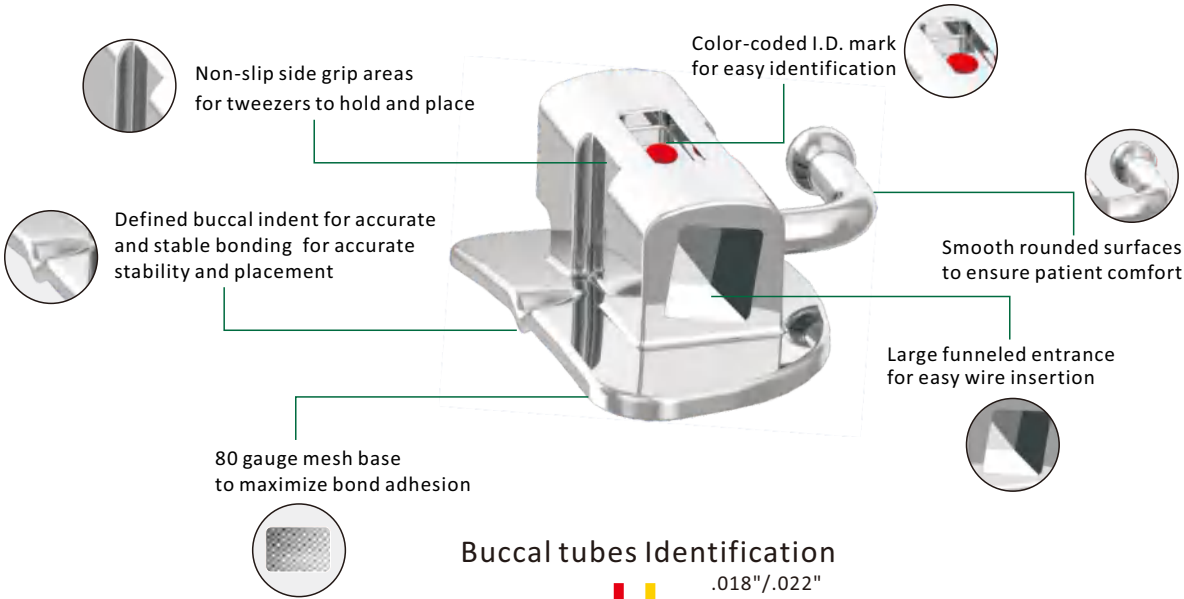


## Buccal Tube

HEADWAY Buccal tube is manufactured using MIM technology. it's large funneled entrance, side grip areas, and color-coding help simplify treatment by allowing for easier identification,placement,positioning, and wire insetion. Smooth Rounded surfaces ensured patient more comfort.

\* Choose your mesh base  
First molar bondable buccal tube

- Available:
- \*\*Roth,MBT and Edgewise prescription.
  - \*\*Non-Convertible and Convertible
  - \*\*Bondable and Weldable
  - \*\*1st molar,2nd molar and Bicuspids



(Color codes are unavailable on Edgewise brackets/buccal tubes)

FDI (World Dental Federation) System

17	16	15	14	13	12	11	21	22	23	24	25	26	27
7	6	5	4	3	2	1	1	2	3	4	5	6	7
7	6	5	4	3	2	1	1	2	3	4	5	6	7
47	46	45	44	43	42	41	31	32	33	34	35	36	37




## First Molar Self-Ligating Buccal Tubes

- **MIM Technology**  
The whole new designed using MIM technology with high precision ensures the stability of tube slider. Easy switch between non-convertible and convertible.
- **Accurate Passive Slip Design**  
The new passive design can reduce the friction between the tube and archwire.making orthodontic treatment much more accurate efficient.
- **The All-Inclusive Design**  
Self-ligating way for accurate stability and placement; 80 gauge base to maximize bond adhesion.




open the plate

### First molar self-ligating buccal tube

System		Teeth	Torque	Offest	Width	.022"	ItemNO.
	ROTH	UR6	-9°	7°	3.8mm	HS201-2216-1	HS201-22-1
		UL6	-9°	7°	3.8mm	HS201-2226-1	
		LR6	-30°	7°	3.8mm	HS201-2246-1	
		LL6	-30°	7°	3.8mm	HS201-2236-1	
	MBT	UR6	-14°	10°	3.8mm	HS203-2216-1	HS203-22-1
		UL6	-14°	10°	3.8mm	HS203-2226-1	
		LR6	-20°	0°	3.8mm	HS203-2246-1	
		LL6	-20°	0°	3.8mm	HS203-2236-1	

### Round First molar self-ligating buccal tube

System		Teeth	Torque	Offest	Width	.022"	ItemNO.
	ROTH	UR6	-9°	7°	4mm	H2S201-2216-1	H2S201-22-1
		UL6	-9°	7°	4mm	H2S201-2226-1	
		LR6	-28°	7°	4mm	H2S201-2246-1	
		LL6	-28°	7°	4mm	H2S201-2236-1	
	MBT	UR6	-14°	10°	4mm	H2S203-2216-1	H2S203-22-1
		UL6	-14°	10°	4mm	H2S203-2226-1	
		LR6	-20°	0°	4mm	H2S203-2246-1	
		LL6	-20°	0°	4mm	H2S203-2236-1	

## Dazzle Buccal Tubes



Streamlined funnel design for easy archwire insertion and reduced restraint scratches.



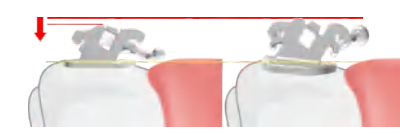
It has clamping grooves on the upper and lower sides of the buccal to enhance usability.



It has clamping grooves on the upper and lower sides of the buccal to enhance usability.



New MIM process reduces surface friction by 26% and improves groove accuracy by 30%.





Ultra-thin buccal tube body to enhance patient comfort and reduce height by 20%



The cap can be removed for special cases and the buccal tube can be upgraded for use as a 1st molar bracket, bringing convenience to the work.

### Dazzle buccal tube single roth

System		Teeth	Torque	Offest	Width	.022"	ItemNO.
	6#	UR6	-10°	7°	3.8mm	HD202-2216-1	HD202-22-1
		UL6	-10°	7°	3.8mm	HD202-2226-1	
		LR6	-25°	4°	3.8mm	HD202-2246-1	
		LL6	-25°	4°	3.8mm	HD202-2236-1	
	7#	UR7	-14°	14°	3.4mm	HD207-2217-1	HD207-22-1
		UL7	-14°	14°	3.4mm	HD207-2227-1	
		LR7	-30°	6°	3.4mm	HD207-2247-1	
		LL7	-30°	6°	3.4mm	HD207-2237-1	

## Unique Buccal Tubes



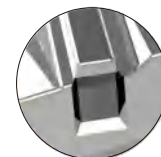
Integrally hook designed to minimize tissue impingement.



Under-tie-wing area for ligation.



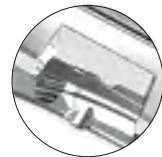
Occlusal shelf designed reduces interference.



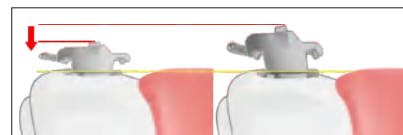
Chamfered archwire entry.



Flush-seated cap provides a smooth buccal surface. It is removable with Headway's cap tool.(for 6#)





The mesh base with developmental grooves, combined with the compound surface of the mesh pads, creates an outstanding fit.







Ultra-thin buccal tube body to enhance patient comfort and reduce height by 40%

## Unique buccal tube single

System	Teeth	Torque	Offest	Width	.022"	ItemNO.
	UR6	-10°	10°	3.4mm	HU202-2216-1	HU202-22-1
	UL6	-10°	10°	3.4mm	HU202-2226-1	
	LR6	-22°	5°	3.4mm	HU202-2246-1	
	LL6	-22°	5°	3.4mm	HU202-2236-1	
	UR7	-10°	12°	3.3mm	HU207-2217-1	HU207-22-1
	UL7	-10°	12°	3.3mm	HU207-2227-1	
	LR7	-27°	6°	3.3mm	HU207-2247-1	
	LL7	-27°	6°	3.3mm	HU207-2237-1	



## Roth\*non-convertible First molar bondable buccal tube

0.018"/0.022"

ROTH	Description	Torque	Offest	width	Side	Slot	
						.018"	.022"
MAXILLARY		-9°	7°	4.2mm	R	201-1816-1	201-2216-1
					L	201-1826-1	201-2226-1
		-9°	7°	3.8mm	R	201-1816-2	201-2216-2
					L	201-1826-2	201-2226-2
MANDIBULAR		-30°	7°	3.8mm	R	201-1846-1	201-2246-1
					L	201-1836-1	201-2236-1
		-30°	7°	3.8mm	R	201-1846-2	201-2246-2
					L	201-1836-2	201-2236-2

## Roth\*non-convertible Second molar bondable buccal tube

0.018"/0.022"

ROTH	Description	Torque	Offest	width	Side	Slot	
						.018"	.022"
MAXILLARY		-9°	6°	3.5mm	R	207-1817-1	207-2217-1
					L	207-1827-1	207-2227-1
MANDIBULAR		-30°	6°	3.5mm	R	207-1847-1	207-2247-1
					L	207-1837-1	207-2237-1

## Roth\*non-convertible First molar bondable buccal tube

Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H201-18-1	H201-22-1
Upper 2,Lower 1	H201-18-2	H201-22-2
Upper 2,Lower 2	H201-18-3	H201-22-3

## Roth\*non-convertible Second molar bondable buccal tube

Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H207-18-1	H207-22-1



## MBT\*non-convertible First molar bondable buccal tube

0.018"/0.022"

MBT	Description	Torque	Offest	width	Side	Slot	
						.018"	.022"
MAXILLARY		-14°	10°	4.2mm	R	203-1816-1	203-2216-1
					L	203-1826-1	203-2226-1
		-14°	10°	3.8mm	R	203-1816-2	203-2216-2
					L	203-1826-2	203-2226-2
MANDIBULAR		-20°	0°	3.8mm	R	203-1846-1	203-2246-1
					L	203-1836-1	203-2236-1
		-20°	0°	3.8mm	R	203-1846-2	203-2246-2
					L	203-1836-2	203-2236-2

## MBT\*non-convertible Second molar bondable buccal tube

0.018"/0.022"

MBT	Description	Torque	Offest	width	Side	Slot	
						.018"	.022"
MAXILLARY		-14°	6°	3.5mm	R	208-1817-1	208-2217-1
					L	208-1827-1	208-2227-1
MANDIBULAR		-10°	0°	3.5mm	R	208-1847-1	208-2247-1
					L	208-1837-1	208-2237-1

### MBT\*non-convertible First molar bondable buccal tube

Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H203-18-1	H203-22-1
Upper 2,Lower 1	H203-18-2	H203-22-2
Upper 2,Lower 2	H203-18-3	H203-22-3

### MBT\*non-convertible Second molar bondable buccal tube

Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H208-18-1	H208-22-1



## Edgewise\*non-convertible First molar bondable buccal tube

0.018"/0.022"

EDGEWISE	Description	Torque	Offest	width	Side	Slot	
						.018"	.022"
MAXILLARY		0°	6°	3.8mm	R	205-1816-1	205-2216-1
					L	205-1826-1	205-2226-1
		0°	6°	3.8mm	R	205-1816-2	205-2216-2
					L	205-1826-2	205-2226-2
MANDIBULAR		0°	6°	3.8mm	R	205-1846-1	205-2246-1
					L	205-1836-1	205-2236-1
		0°	6°	3.8mm	R	205-1846-2	205-2246-2
					L	205-1836-2	205-2236-2

## Edgewise\*non-convertible Second molar bondable buccal tube

0.018"/0.022"

EDGEWISE	Description	Torque	Offest	width	Side	Slot	
						.018"	.022"
MAXILLARY		0°	6°	3.5mm	R	209-1817-1	209-2217-1
					L	209-1827-1	209-2227-1
MANDIBULAR		0°	6°	3.5mm	R	209-1847-1	209-2247-1
					L	209-1837-1	209-2237-1

### Edgewise\*non-convertible First molar bondable buccal tube

Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H205-18-1	H205-22-1
Upper 2,Lower 1	H205-18-2	H205-22-2
Upper 2,Lower 2	H205-18-3	H205-22-3

### Edgewise\*non-convertible Second molar bondable buccal tube

Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H209-18-1	H209-22-1

# Buccal tubes

Roth\*convertible  
First molar bondable buccal tube

0.018"/0.022"

ROTH		Description	Torque	Offest	width	Side	Slot	
							.018"	.022"
MAXILLARY		Single buccal tube	-9°	7°	3.8mm	R	202-1816-1	202-2216-1
						L	202-1826-1	202-2226-1
		Double buccal tube	-9°	7°	3.8mm	R	202-1816-2	202-2216-2
						L	202-1826-2	202-2226-2
		Triple buccal tube	-9°	7°	3.8mm	R	202-1816-3	202-2216-3
						L	202-1826-3	202-2226-3
MANDIBULAR		Single buccal tube	-30°	7°	3.8mm	R	202-1846-1	202-2246-1
						L	202-1836-1	202-2236-1
		Double buccal tube	-30°	7°	3.8mm	R	202-1846-2	202-2246-2
						L	202-1836-2	202-2236-2



Roth\*convertible  
First molar bondable buccal tube

Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H202-18-1	H202-22-1
Upper 2,Lower 1	H202-18-2	H202-22-2
Upper 2,Lower 2	H202-18-3	H202-22-3
Upper 3,Lower 2	H202-18-4	H202-22-4

# Buccal tubes

MBT\*convertible  
First molar bondable buccal tube

0.018"/0.022"

MBT		Description	Torque	Offest	width	Side	Slot	
							.018"	.022"
MAXILLARY		Single buccal tube	-14 °	10 °	3.8mm	R	204-1816-1	204-2216-1
						L	204-1826-1	204-2226-1
		Double buccal tube	-14 °	10 °	3.8mm	R	204-1816-2	204-2216-2
						L	204-1826-2	204-2226-2
		Triple buccal tube	-14 °	10 °	3.8mm	R	204-1816-3	204-2216-3
						L	204-1826-3	204-2226-3
MANDIBULAR		Single buccal tube	-20°	0°	3.8mm	R	204-1846-1	204-2246-1
						L	204-1836-1	204-2236-1
		Double buccal tube	-20°	0°	3.8mm	R	204-1846-2	204-2246-2
						L	204-1836-2	204-2236-2



MBT\*convertible  
First molar bondable buccal tube


Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H204-18-1	H204-22-1
Upper 2,Lower 1	H204-18-2	H204-22-2
Upper 2,Lower 2	H204-18-3	H204-22-3
Upper 3,Lower 2	H204-18-4	H204-22-4



## Buccal tubes

### Edgewise\*convertible First molar bondable buccal tube

0.018"/0.022"

EDGEWISE		Description	Torque	Offest	width	Side	Slot	
							.018"	.022"
MAXILLARY		Single buccal tube	0°	6°	3.8mm	R	206-1816-1	206-2216-1
						L	206-1826-1	206-2226-1
		Double buccal tube	0°	6°	3.8mm	R	206-1816-2	206-2216-2
						L	206-1826-2	206-2226-2
		Triple buccal tube	0°	6°	3.8mm	R	206-1816-3	206-2216-3
						L	206-1826-3	206-2226-3
MANDIBULAR		Single buccal tube	0°	6°	3.8mm	R	206-1846-1	206-2246-1
						L	206-1836-1	206-2236-1
		Double buccal tube	0°	6°	3.8mm	R	206-1846-2	206-2246-2
						L	206-1836-2	206-2236-2





### Edgewise\*convertible First molar bondable buccal tube



Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H206-18-1	H206-22-1
Upper 2,Lower 1	H206-18-2	H206-22-2
Upper 2,Lower 2	H206-18-3	H206-22-3
Upper 3,Lower 2	H206-18-4	H206-22-4



## Buccal tubes

### Non-convertible Bicuspid bondable buccal tube 4&5#

0.018"/0.022"

ROTH		Description	Torque	Offest	width	Side	Slot	
							.018"	.022"
MAXILLARY		Single buccal tube	-7°	0°	3.0mm	R	210-1814-1	210-2214-1
						L	210-1824-1	210-2224-1
MANDIBULAR		Single buccal tube	-4°	0°	3.0mm	R	210-1844-1	210-2244-1
						L	210-1834-1	210-2234-1

MBT		Description	Torque	Offest	width	Side	Slot	
							.018"	.022"
MAXILLARY		Single buccal tube	7°	0°	3.0mm	R	211-1814-1	211-2214-1
						L	211-1824-1	211-2224-1
MANDIBULAR		Single buccal tube	-14°	0°	3.0mm	R	211-1844-1	211-2244-1
						L	211-1834-1	211-2234-1

EDGEWISE		Description	Torque	Offest	width	Side	Slot	
							.018"	.022"
MAXILLARY		Single buccal tube	0°	0°	3.0mm	R	212-1814-1	212-2214-1
						L	212-1824-1	212-2224-1
MANDIBULAR		Single buccal tube	0°	0°	3.0mm	R	212-1844-1	212-2244-1
						L	212-1834-1	212-2234-1

### Non-convertible Bicuspid bondable buccal tube 4&5#

Buccal tube	Description /1-1,4pcs	Item NO.	
		.018"	.022"
Roth	Upper 1,Lower 1	H210-18-1	H210-22-1
MBT	Upper 1,Lower 1	H211-18-1	H211-22-1
Edgewise	Upper 1,Lower 1	H212-18-1	H212-22-1

## Buccal tubes



### Roth\*non-convertible First molar weldable buccal tube

0.018"/0.022"

ROTH	Description	Torque	Offset	width	Side	Slot	
						.018"	.022"
MAXILLARY		-9°	7°	3.8mm	R	213-1816-1	213-2216-1
					L	213-1826-1	213-2226-1
		-9°	7°	3.8mm	R	213-1816-2	213-2216-2
					L	213-1826-2	213-2226-2
MANDIBULAR		-30°	7°	3.8mm	R	213-1846-1	213-2246-1
					L	213-1836-1	213-2236-1
		-30°	7°	3.8mm	R	213-1846-2	213-2246-2
					L	213-1836-2	213-2236-2

### Roth\*non-convertible Second molar weldable buccal tube

0.018"/0.022"

ROTH	Description	Torque	Offset	width	Side	Slot	
						.018"	.022"
MAXILLARY		-9°	6°	3.5mm	R	219-1817-1	219-2217-1
					L	219-1827-1	219-2227-1
MANDIBULAR		-30°	6°	3.5mm	R	219-1847-1	219-2247-1
					L	219-1837-1	219-2237-1

#### Roth\*non-convertible First molar weldable buccal tube

Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H213-18-1	H213-22-1
Upper 2,Lower 1	H213-18-2	H213-22-2
Upper 2,Lower 2	H213-18-3	H213-22-3





#### Roth\*non-convertible Second molar weldable buccal tube

Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H219-18-1	H219-22-1

## Buccal tubes



### MBT\*non-convertible First molar weldable buccal tube

0.018"/0.022"

MBT	Description	Torque	Offset	width	Side	Slot	
						.018"	.022"
MAXILLARY		-14°	10°	3.8mm	R	215-1816-1	215-2216-1
					L	215-1826-1	215-2226-1
		-14°	10°	3.8mm	R	215-1816-2	215-2216-2
					L	215-1826-2	215-2226-2
MANDIBULAR		-20°	0°	3.8mm	R	215-1846-1	215-2246-1
					L	215-1836-1	215-2236-1
		-20°	0°	3.8mm	R	215-1846-2	215-2246-2
					L	215-1836-2	215-2236-2

### MBT\*non-convertible Second molar weldable buccal tube

0.018"/0.022"

MBT	Description	Torque	Offset	width	Side	Slot	
						.018"	.022"
MAXILLARY		-14°	6°	3.5mm	R	220-1817-1	220-2217-1
					L	220-1827-1	220-2227-1
MANDIBULAR		-10°	0°	3.5mm	R	220-1847-1	220-2247-1
					L	220-1837-1	220-2237-1

#### MBT\*non-convertible First molar weldable buccal tube





Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H215-18-1	H215-22-1
Upper 2,Lower 1	H215-18-2	H215-22-2
Upper 2,Lower 2	H215-18-3	H215-22-3

#### MBT\*non-convertible Second molar weldable buccal tube

Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H220-18-1	H220-22-1



## Edgewise\*non-convertible First molar weldable buccal tube

0.018"/0.022"

EDGEWISE	Description	Torque	Offest	width	Side	Slot	
						.018"	.022"
MAXILLARY		0°	6°	3.8mm	R	217-1816-1	217-2216-1
					L	217-1826-1	217-2226-1
		0°	6°	3.8mm	R	217-1816-2	217-2216-2
					L	217-1826-2	217-2226-2
MANDIBULAR		0°	6°	3.8mm	R	217-1846-1	217-2246-1
					L	217-1836-1	217-2236-1
		0°	6°	3.8mm	R	217-1846-2	217-2246-2
					L	217-1836-2	217-2236-2

## Edgewise\*non-convertible Second molar weldable buccal tube

0.018"/0.022"

EDGEWISE	Description	Torque	Offest	width	Side	Slot	
						.018"	.022"
MAXILLARY		0°	6°	3.5mm	R	221-1817-1	221-2217-1
					L	221-1827-1	221-2227-1
MANDIBULAR		0°	6°	3.5mm	R	221-1847-1	221-2247-1
					L	221-1837-1	221-2237-1

### Edgewise\*non-convertible First molar weldable buccal tube

Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H217-18-1	H217-22-1
Upper 2,Lower 1	H217-18-2	H217-22-2
Upper 2,Lower 2	H217-18-3	H217-22-3

### Edgewise\*non-convertible Second molar weldable buccal tube

Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H221-18-1	H221-22-1

## Roth\*convertible First molar weldable buccal tube

0.018"/0.022"

ROTH	Description	Torque	Offest	width	Side	Slot	
						.018"	.022"
MAXILLARY		-9°	7°	3.8mm	R	214-1816-1	214-2216-1
					L	214-1826-1	214-2226-1
		-9°	7°	3.8mm	R	214-1816-2	214-2216-2
					L	214-1826-2	214-2226-2
MANDIBULAR		-9°	7°	3.8mm	R	214-1816-3	214-2216-3
					L	214-1826-3	214-2226-3
		-30°	7°	3.8mm	R	214-1846-1	214-2246-1
					L	214-1836-1	214-2236-1
MANDIBULAR		-30°	7°	3.8mm	R	214-1846-2	214-2246-2
					L	214-1836-2	214-2236-2





## Roth\*convertible First molar weldable buccal tube

Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H214-18-1	H214-22-1
Upper 2,Lower 1	H214-18-2	H214-22-2
Upper 2,Lower 2	H214-18-3	H214-22-3
Upper 3,Lower 2	H214-18-4	H214-22-4

## Buccal tubes

### MBT\*convertible First molar weldable buccal tube

0.018"/0.022"

MBT	Description	Torque	Offest	width	Side	Slot	
						.018"	.022"
MAXILLARY		-14°	10°	3.8mm	R	216-1816-1	216-2216-1
					L	216-1826-1	216-2226-1
		-14°	10°	3.8mm	R	216-1816-2	216-2216-2
					L	216-1826-2	216-2226-2
		-14°	10°	3.8mm	R	216-1816-3	216-2216-3
					L	216-1826-3	216-2226-3
MANDIBULAR		-20°	0°	3.8mm	R	216-1846-1	216-2246-1
					L	216-1836-1	216-2236-1
		-20°	0°	3.8mm	R	216-1846-2	216-2246-2
					L	216-1836-2	216-2236-2






### MBT\*convertible First molar weldable buccal tube

Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H216-18-1	H216-22-1
Upper 2,Lower 1	H216-18-2	H216-22-2
Upper 2,Lower 2	H216-18-3	H216-22-3
Upper 3,Lower 2	H216-18-4	H216-22-4

## Buccal tubes

### Edgewise\*convertible First molar weldable buccal tube

0.018"/0.022"

EDGEWISE	Description	Torque	Offest	width	Side	Slot	
						.018"	.022"
MAXILLARY		0°	6°	3.8mm	R	218-1816-1	218-2216-1
					L	218-1826-1	218-2226-1
		0°	6°	3.8mm	R	218-1816-2	218-2216-2
					L	218-1826-2	218-2226-2
		0°	6°	3.8mm	R	218-1816-3	218-2216-3
					L	218-1826-3	218-2226-3
MANDIBULAR		0°	6°	3.8mm	R	218-1846-1	218-2246-1
					L	218-1836-1	218-2236-1
		0°	6°	3.8mm	R	218-1846-2	218-2246-2
					L	218-1836-2	218-2236-2

### Edgewise\*convertible First molar weldable buccal tube

Description /1-1,4pcs	Item NO.	
	.018"	.022"
Upper 1,Lower 1	H218-18-1	H218-22-1
Upper 2,Lower 1	H218-18-2	H218-22-2
Upper 2,Lower 2	H218-18-3	H218-22-3
Upper 3,Lower 2	H218-18-4	H218-22-4



# ORTHODONTIC MICRO SCREWS



## Micro Screw



**Enlarging-neck**  
More space to hang close spring  
or power chain.

**No Tip / Self-drilling design**  
Self-drilling , no tip design,  
improving the efficiency  
of insertion to avoid any broken tip.

**A hole for orthodontic wire**  
For fixation and traction

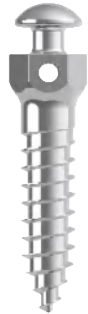



**Arc-head & smaller hexagonal head**  
Avoid hurting the soft tissue,  
shorten the length and height and ground  
head without rough angle to reduce the  
feeling of foreign body.



**Smooth Cervical Region**  
Decreasing residue attachment  
and inflamed reaction

**Reinforcement screw body**  
Providing larger twisting strength

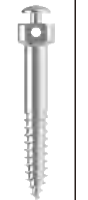

### Titanium alloy series

HW-1.		Description (1pc/pk )	Item NO.
		1.4x6mm	H801-14-6
		1.4x8mm	H801-14-8
		1.4x10mm	H801-14-10
		1.6x8mm	H801-16-8
		1.6x10mm	H801-16-10
		1.6x12mm	H801-16-12
		2.0x8mm	H801-20-8
		2.0x10mm	H801-20-10
		2.0x12mm	H801-20-12

### Stainless steel series

HW-2.		Description (1pc/pk )	Item NO.
		1.5x6mm	H802-15-6
		1.5x8mm	H802-15-8
		1.5x10mm	H802-15-10
		1.5x12mm	H802-15-12
		2.0x8mm	H802-20-8
		2.0x10mm	H802-20-10
		2.0x12mm	H802-20-12

### Customized SS micro screw














HW-3		Description (1pc/pk )	Item NO.
		2,0x12mm(BSS)	H802-20-12-BSS
		2,0x14mm(BSS)	H802-20-14-BSS
		2,0x14mm(IZC)	H802-20-14-IZC
		2,0x17mm(IZC)	H802-20-17-IZC
		..... etc	

# Micro Screw Handles

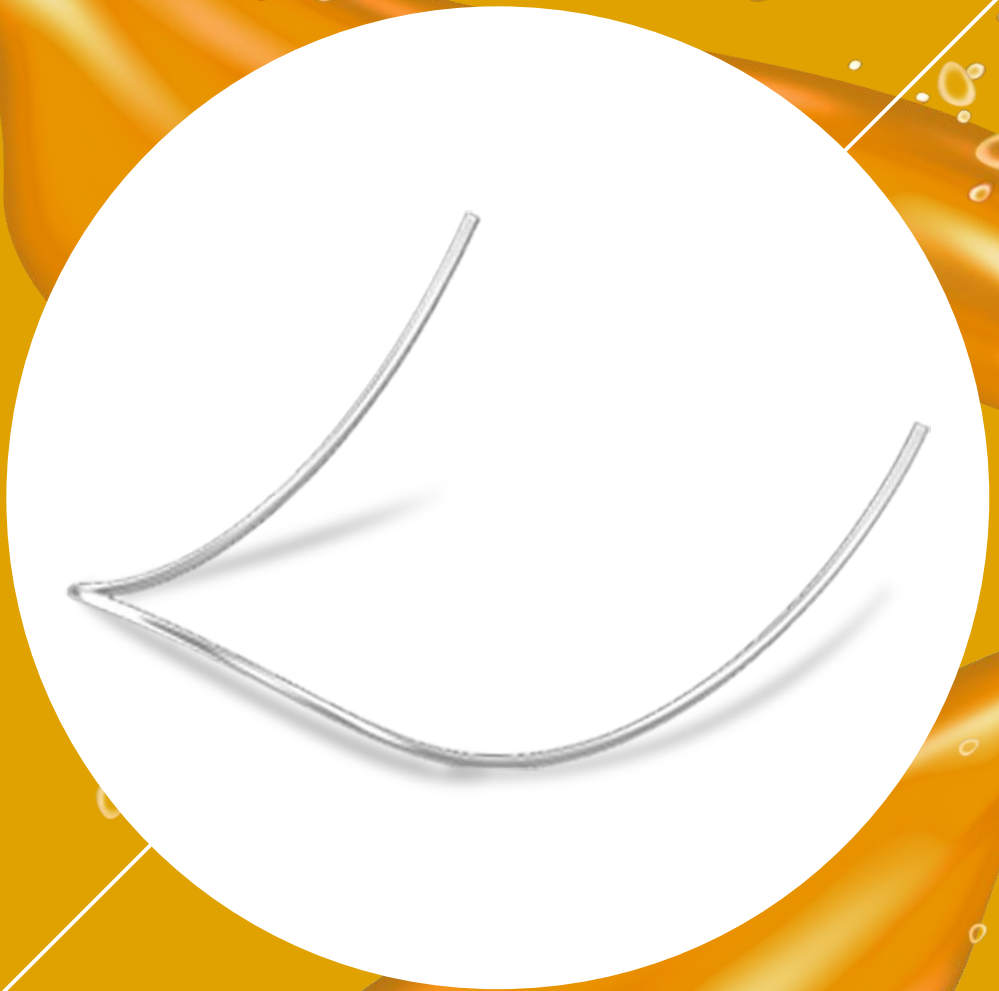
# Micro Screw Handles

Convenient and  
Efficiency

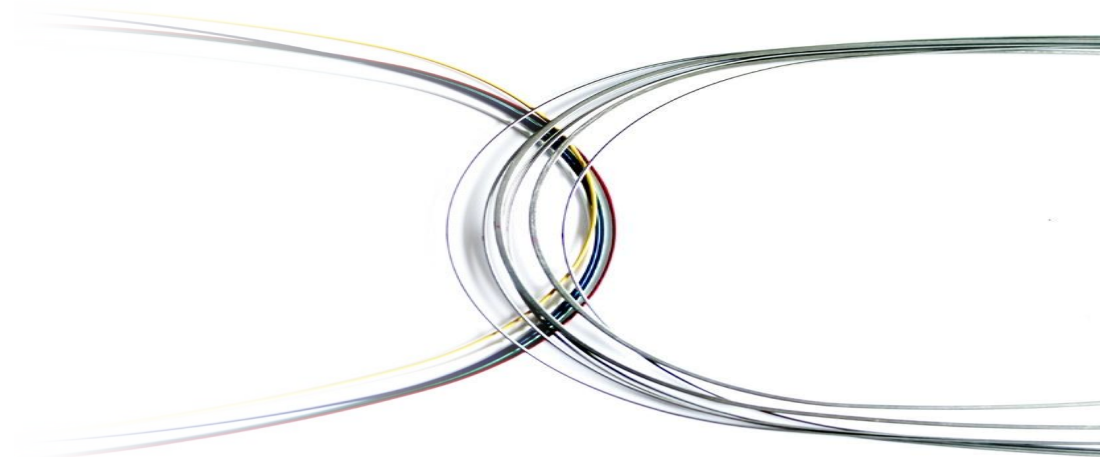


Screw Driver Handle	Item NO.	Screwdriver Bit		Item NO.
 Screw driver handle	H803	 For Stainless Steel screw	 4 Angles	H804-1-SS
		 For Niti Screw	 6 Angles	H804-2-NiTi
 Screw driver off-angle screw driver	H805	 For Stainless Steel screw	 4 Angles	H805-1-SS
		 For Niti Screw	 6 Angles	H805-2-NiTi
 Customized Screw driver handle	H803-1	 For Stainless Steel screw	 4 Angles	H804-3-SS

# ORTHODONTIC WIRES



# Wires



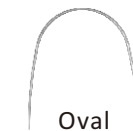
- 1, Super elasticity-very flexible and easy to engage.
- 2, Superior shape memory-stays active right throughout treatment.
- 3, Low, constant force-for most efficient tooth movement and increased patient comfort.
- 4, Polished finish-low friction.
- 5, Rigorous quality control-every wire performs the same.

## Archwires

### Niti archwire

#### Round\*\*

Description (10pcs/pk )	Item NO.			
	Sqaure	Oval	Natural	Taper
0.012	H401-1-12	H401-2-12	H401-3-12	H401-4-12
0.014	H401-1-14	H401-2-14	H401-3-14	H401-4-14
0.016	H401-1-16	H401-2-16	H401-3-16	H401-4-16
0.018	H401-1-18	H401-2-18	H401-3-18	H401-4-18
0.020	H401-1-20	H401-2-20	H401-3-20	H401-4-20



#### Rectangular\*\*

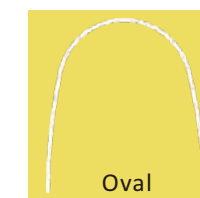
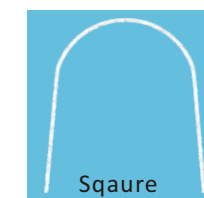
Description (10pcs/pk )	Item NO.			
	Sqaure	Oval	Natural	Taper
0.014x0.025	H402-1-1425	H402-2-1425	H402-3-1425	H402-4-1425
0.016x0.016	H402-1-1616	H402-2-1616	H402-3-1616	H402-4-1616
0.016x0.022	H402-1-1622	H402-2-1622	H402-3-1622	H402-4-1622
0.016x0.025	H402-1-1625	H402-2-1625	H402-3-1625	H402-4-1625
0.017x0.022	H402-1-1722	H402-2-1722	H402-3-1722	H402-4-1722
0.017x0.025	H402-1-1725	H402-2-1725	H402-3-1725	H402-4-1725
0.018x0.022	H402-1-1822	H402-2-1822	H402-3-1822	H402-4-1822
0.018x0.025	H402-1-1825	H402-2-1825	H402-3-1825	H402-4-1825
0.019x0.025	H402-1-1925	H402-2-1925	H402-3-1925	H402-4-1925
0.021x0.025	H402-1-2125	H402-2-2125	H402-3-2125	H402-4-2125



### Nitinol coated archwire

#### Round\*\*

Description (1pcs/pk )	Item NO.	
	Sqaure	Oval
0.012	H420-1-12	H420-2-12
0.014	H420-1-14	H420-2-14
0.016	H420-1-16	H420-2-16
0.018	H420-1-18	H420-2-18
0.020	H420-1-20	H420-2-20



#### Rectangular\*\*

Description (1pcs/pk )	Item NO.	
	Sqaure	Oval
0.014x0.025	H421-1-1425	H421-2-1425
0.016x0.016	H421-1-1616	H421-2-1616
0.016x0.022	H421-1-1622	H421-2-1622
0.016x0.025	H421-1-1625	H421-2-1625
0.017x0.022	H421-1-1722	H421-2-1722
0.017x0.025	H421-1-1725	H421-2-1725
0.018x0.022	H421-1-1822	H421-2-1822
0.018x0.025	H421-1-1825	H421-2-1825
0.019x0.025	H421-1-1925	H421-2-1925

## Stainless steel straight wire

### Round\*\*

Description (20pcs/pk )	Item NO.
0.012	H409-2-12
0.014	H409-2-14
0.016	H409-2-16
0.018	H409-2-18
0.020	H409-2-20

### Rectangular\*\*

Description (10pcs/pk )	Item NO.
0.016x0.016	H410-2-1616
0.016x0.022	H410-2-1622
0.017x0.022	H410-2-1722
0.017x0.025	H410-2-1725
0.018x0.022	H410-2-1822
0.018x0.025	H410-2-1825
0.019x0.025	H410-2-1925
0.021x0.025	H410-2-2125

# Archwires

## Ligature wire



Description (30g / spool )	Item NO.
0.20mm	H416-1-2030
0.25mm	H416-1-2530
0.30mm	H416-1-3030

## Australian wire



### Round\*\* Spool

Description (2.5feet/pk )	Item NO.
0.012	H417-1-12
0.014	H417-1-14
0.016	H417-1-16
0.018	H417-1-18
0.020	H417-1-20

## Niti closed spring with eyelets



Description (10pcs/pk )	Item NO.
0.010x6mm	H414-1-1006
0.010x9mm	H414-1-1009
0.010x12mm	H414-1-1012
0.012x6mm	H414-1-1206
0.012x9mm	H414-1-1209
0.012x12mm	H414-1-1212

## Niti Open Coil Spring



Description (2pcs/pk)	Item NO.
0.010x180mm	H415-1-1018
0.012x180mm	H415-1-1218

Description (1Roll/pk)	Item NO.
0.008x0.030mm	H415-2-0830
0.010x0.030mm	H415-2-1030
0.012x0.030mm	H415-2-1230
0.014x0.030mm	H415-2-1430



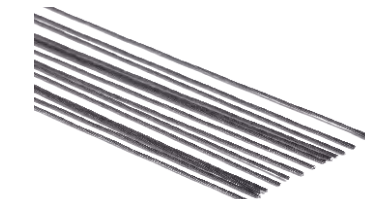
## Australian wire



### Round\*\* Straight

Description (30pcs/pk )	Item NO.
0.012	H418-1-12
0.014	H418-1-14
0.016	H418-1-16
0.018	H418-1-18
0.020	H418-1-20

## Twist Archwire



Description (20pcs/pk )	Item NO.
0.0155	H424-1
0.0175	H424-2
0.0195	H424-3
Description (50pcs/pk )	Item NO.
0.0155	H424-4
0.0175	H424-5
0.0195	H424-6

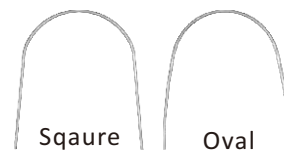
## Niti Distalized Spring



Description (1pcs/pk)	Item NO.
0.010*0.045mm	H415-3-1045
0.012*0.045mm	H415-3-1245



## Thermal niti archwire



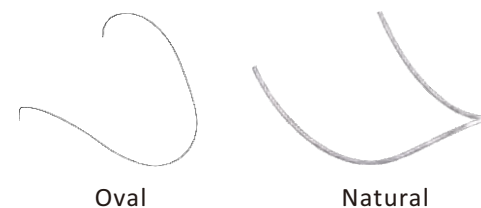
### Round\*\*

Description (5pcs/pk )	Item NO.	
	Sqaure	Oval
0.012	H403-1-12	H403-2-12
0.014	H403-1-14	H403-2-14
0.016	H403-1-16	H403-2-16
0.018	H403-1-18	H403-2-18
0.020	H403-1-20	H403-2-20

### Rectangular\*\*

Description (5pcs/pk )	Item NO.	
	Sqaure	Oval
0.016x0.016	H404-1-1616	H404-2-1616
0.016x0.022	H404-1-1622	H404-2-1622
0.016x0.025	H404-1-1625	H404-2-1625
0.017x0.022	H404-1-1722	H404-2-1722
0.017x0.025	H404-1-1725	H404-2-1725
0.018x0.022	H404-1-1822	H404-2-1822
0.018x0.025	H404-1-1825	H404-2-1825
0.019x0.025	H404-1-1925	H404-2-1925
0.021x0.025	H404-1-2125	H404-2-2125

## Niti reverse curve archwire



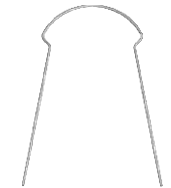
### Round\*\*

Description (2pcs/pk )	Item NO.	
	Oval	Natural
0.012	H405-1-12	H405-2-12
0.014	H405-1-14	H405-2-14
0.016	H405-1-16	H405-2-16
0.018	H405-1-18	H405-2-18
0.020	H405-1-20	H405-2-20

### Rectangular\*\*

Description (2pcs/pk )	Item NO.	
	Oval	Natural
0.014x0.025	H406-1-1425	H406-2-1425
0.016x0.016	H406-1-1616	H406-2-1616
0.016x0.022	H406-1-1622	H406-2-1622
0.017x0.022	H406-1-1722	H406-2-1722
0.017x0.025	H406-1-1725	H406-2-1725
0.018x0.022	H406-1-1822	H406-2-1822
0.018x0.025	H406-1-1825	H406-2-1825
0.019x0.025	H406-1-1925	H406-2-1925
0.021x0.025	H406-1-2125	H406-2-2125

## Lingual niti archwire



### Round\*\*

Description (10pcs/pk )	Item NO.
	Square
0.012	H407-1-12
0.014	H407-1-14
0.016	H407-1-16
0.018	H407-1-18
0.020	H407-1-20

### Rectangular\*\*

Description (10pcs/pk )	Item NO.
	Square
0.016x0.016	H408-1-1616
0.016x0.022	H408-1-1622
0.017x0.022	H408-1-1722
0.017x0.025	H408-1-1725
0.018x0.022	H408-1-1822
0.018x0.025	H408-1-1825
0.019x0.025	H408-1-1925
0.021x0.025	H408-1-2125

## Stainless steel archwire



### Round\*\*

Description (10pcs/pk )	Item NO.	
	Oval	Natural
0.012	H409-1-12	H409-3-12
0.014	H409-1-14	H409-3-14
0.016	H409-1-16	H409-3-16
0.018	H409-1-18	H409-3-18
0.020	H409-1-20	H409-3-20

### Rectangular\*\*

Description (10pcs/pk )	Item NO.	
	Oval	Natural
0.016x0.016	H410-1-1616	H410-3-1616
0.016x0.022	H410-1-1622	H410-3-1622
0.017x0.022	H410-1-1722	H410-3-1722
0.017x0.025	H410-1-1725	H410-3-1725
0.018x0.022	H410-1-1822	H410-3-1822
0.018x0.025	H410-1-1825	H410-3-1825
0.019x0.025	H410-1-1925	H410-3-1925
0.021x0.025	H410-1-2125	H410-3-2125

## Kobayashi Wire -short twisted



Description (100pcs/Pack)	Item NO.
0.20mm	H426-1-20
0.25mm	H426-1-25
0.30mm	H426-1-30
0.35mm	H426-1-35

## Kobayashi Wire -short L=58mm

Description (100pcs/Pack)	Item NO.
0.20mm	H426-2-20
0.25mm	H426-2-25
0.30mm	H426-2-30
0.35mm	H426-2-35

## Kobayashi Wire -Long L=155mm



Description (100pcs/Pack)	Item NO.
0.20mm	H426-3-20
0.25mm	H426-3-25
0.30mm	H426-3-30
0.35mm	H426-3-35

## Performed Wire -Short twisted



Description (100pcs/Pack)	Item NO.
0.20mm	H427-1-20
0.25mm	H427-1-25
0.30mm	H427-1-30
0.35mm	H427-1-35

## Performed Wire -Short L=58mm

Description (100pcs/Pack)	Item NO.
0.20mm	H427-2-20
0.25mm	H427-2-25
0.30mm	H427-2-30
0.35mm	H427-2-35

## Performed Wire -Long L=155mm



Description (100pcs/Pack)	Item NO.
0.20mm	H427-3-20
0.25mm	H427-3-25
0.30mm	H427-3-30
0.35mm	H427-3-35

## SS Lingual Retainer Wire



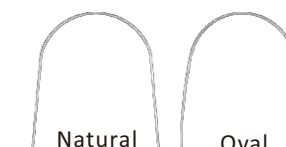
Description (10pcs/Pack)	Item NO.
0.30*0.70mm	H428-1-3070
0.45*0.90mm	H428-1-4590

## Archwire Elastic Sleeves



Description (Roll)	Item NO.
Clear-018	H429-1-018
Clear-027	H429-1-027
Blue-027	H429-2-027
Green-027	H429-3-027
Grey-027	H429-4-027
Pink-027	H429-5-027

## TMA archwire



### Round\*\*

Description (1pcs/pk )	Item NO.	
	Oval	Natural
0.012	H433-1-12	H433-3-12
0.014	H433-1-14	H433-3-14
0.016	H433-1-16	H433-3-16
0.018	H433-1-18	H433-3-18
0.020	H433-1-20	H433-3-20

### Rectangular\*\*

Description (1pcs/pk )	Item NO.	
	Oval	Natural
0.016x0.016	H434-1-1616	H434-3-1616
0.016x0.022	H434-1-1622	H434-3-1622
0.017x0.025	H434-1-1725	H434-3-1725
0.018x0.025	H434-1-1825	H434-3-1825
0.019x0.025	H434-1-1925	H434-3-1925

## Orthodontic torque spring



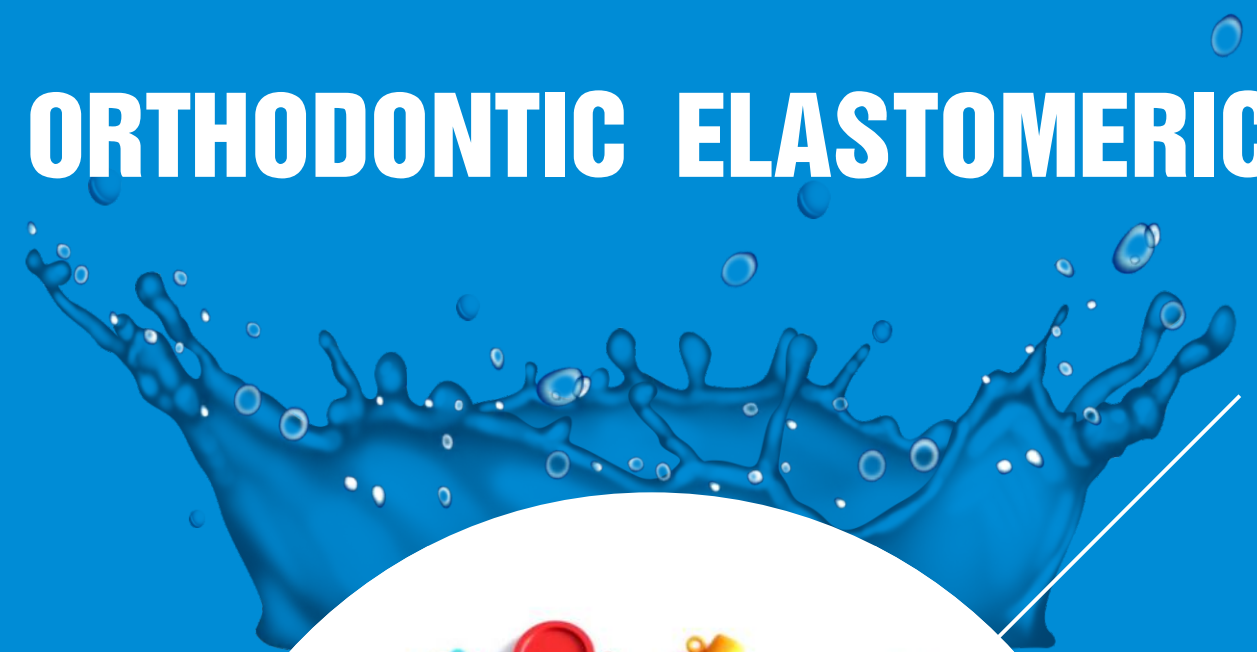
Description(10pcs/pk)		Item NO.
0.016*0.022	Large	H435-1-1622
0.017*0.025		H435-1-1725
0.018*0.025		H435-1-1825
0.019*0.025		H435-1-1925
0.016*0.022	Middle	H435-2-1622
0.017*0.025		H435-2-1725
0.018*0.025		H435-2-1825
0.019*0.025		H435-2-1925
0.016*0.022	Small	H435-3-1622
0.017*0.025		H435-3-1725
0.018*0.025		H435-3-1825
0.019*0.025		H435-3-1925

## Cuniti wire



Description (1pcs/pk)	Item NO.
0. 013	H422-1-13
0. 014	H422-1-14
0. 016	H422-1-16
0. 018	H422-1-18
0.014*0.025	H423-1-1425
0.016*0.022	H423-1-1622
0.016*0.025	H423-1-1625
0.017*0.025	H423-1-1725
0.018*0.025	H423-1-1825
0.019*0.025	H423-1-1925

# ORTHODONTIC ELASTOMERIC



## TMA straight wire



### Round\*\*

Description (10pcs/pk )	Item NO.
0.012	H433-2-12
0.014	H433-2-14
0.016	H433-2-16
0.018	H433-2-18
0.020	H433-2-20

### Rectangular\*\*

Description (10pcs/pk )	Item NO.
0.016x0.016	H434-2-1616
0.016x0.022	H434-2-1622
0.017x0.022	H434-2-1722
0.017x0.025	H434-2-1725
0.018x0.022	H434-2-1822
0.018x0.025	H434-2-1825
0.019x0.025	H434-2-1925
0.021x0.025	H434-2-2125

Elastomeric



Ligature tie



Item NO.
H601-1-#

Color NO.\*\*

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
clear																		
20	22	23	24	25	26	27	28	29	30	31	32	33	34	35	37	A		
																assorted		

Separator elastormeric



Item NO.
H602-1-#

Rotation Wedge



Description (200rings/Pk)	Item NO.
Clear	H602-2-1
Grey	H602-2-8

Power chain



Color NO.\*\*

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
clear																			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

Orthodontic elastics



Description	Item NO.
1/8"	H604-1-#
3/16"	H604-2-#
1/4"	H604-3-#
5/16"	H604-4-#
3/8"	H604-5-#

Force\*\*2.5OZ,3.5OZ,4.5OZ,6.5OZ

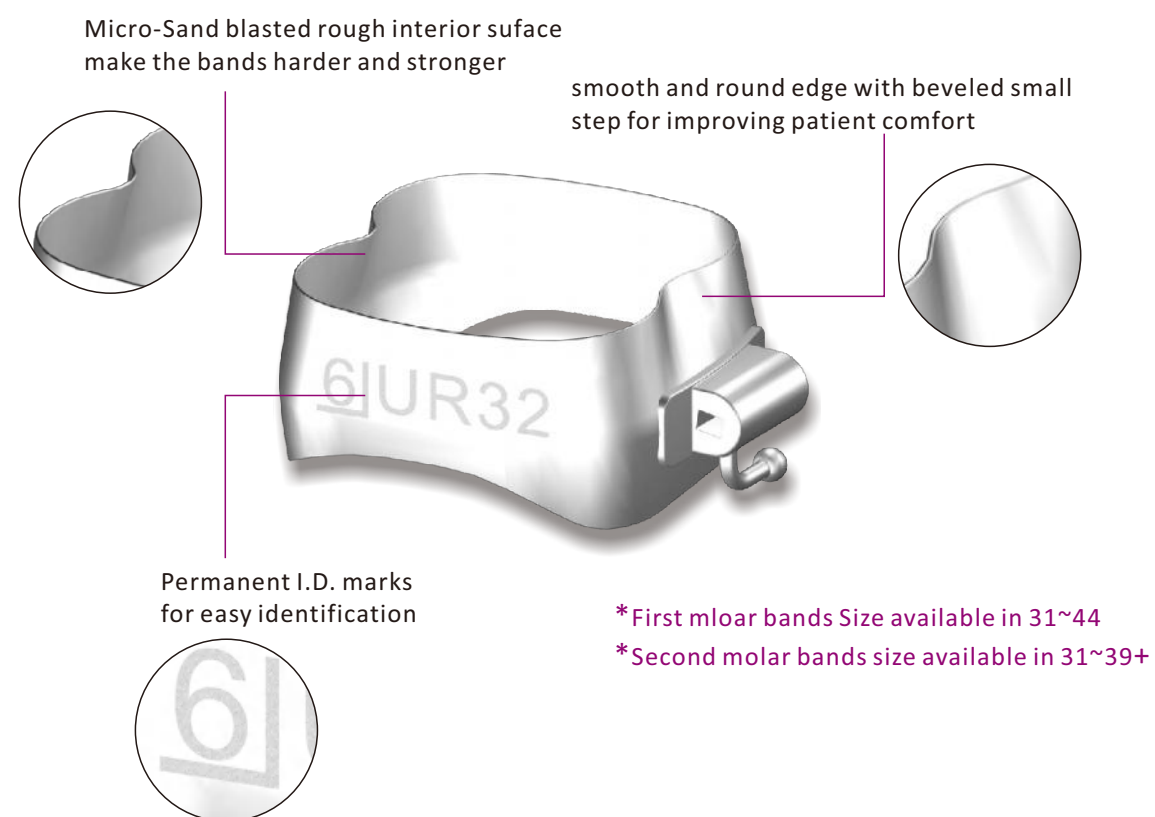
ORTHODONTIC BANDS





# Molar Bands

HEADWAY offers a complete selection of bands to fulfill your every request. Each band has the option to be ordered as plain or as a pre-welded assembly. For the ultimate in custom fitting, shape, and retention choose from HEADWAY Molar bands.



## Molar bands

### First molar bands

Bands Size	Upper Diameter	Lower Diameter	Teeth			
			UR(16)	UL(26)	LR(46)	LL(36)
31	9.61	9.89	301-16-31	301-26-31	301-46-31	301-36-31
31+	9.71	10.01	301-16-31+	301-26-31+	301-46-31+	301-36-31+
32	9.81	10.14	301-16-32	301-26-32	301-46-32	301-36-32
32+	9.92	10.25	301-16-32+	301-26-32+	301-46-32+	301-36-32+
33	10.02	10.38	301-16-33	301-26-33	301-46-33	301-36-33
33+	10.12	10.5	301-16-33+	301-26-33+	301-46-33+	301-36-33+
34	10.23	10.63	301-16-34	301-26-34	301-46-34	301-36-34
34+	10.33	10.75	301-16-34+	301-26-34+	301-46-34+	301-36-34+
35	10.43	10.87	301-16-35	301-26-35	301-46-35	301-36-35
35+	10.54	10.99	301-16-35+	301-26-35+	301-46-35+	301-36-35+
36	10.64	11.12	301-16-36	301-26-36	301-46-36	301-36-36
36+	10.74	11.24	301-16-36+	301-26-36+	301-46-36+	301-36-36+
37	10.85	11.36	301-16-37	301-26-37	301-46-37	301-36-37
37+	10.95	11.48	301-16-37+	301-26-37+	301-46-37+	301-36-37+
38	11.05	11.61	301-16-38	301-26-38	301-46-38	301-36-38
38+	11.16	11.73	301-16-38+	301-26-38+	301-46-38+	301-36-38+
39	11.26	11.85	301-16-39	301-26-39	301-46-39	301-36-39
39+	11.36	11.97	301-16-39+	301-26-39+	301-46-39+	301-36-39+
40	11.47	12.1	301-16-40	301-26-40	301-46-40	301-36-40
40+	11.57	12.22	301-16-40+	301-26-40+	301-46-40+	301-36-40+
41	11.67	12.34	301-16-41	301-26-41	301-46-41	301-36-41
41+	11.78	12.46	301-16-41+	301-26-41+	301-46-41+	301-36-41+
42	11.88	12.59	301-16-42	301-26-42	301-46-42	301-36-42
42+	11.98	12.71	301-16-42+	301-26-42+	301-46-42+	301-36-42+
43	12.08	12.83	301-16-43	301-26-43	301-46-43	301-36-43
43+	12.19	12.96	301-16-43+	301-26-43+	301-46-43+	301-36-43+
44	12.29	13.08	301-16-44	301-26-44	301-46-44	301-36-44

## Second molar bands

Bands Size	Upper Diameter	Lower Diameter	Teeth			
			UR(17)	UL(27)	LR(47)	LL(37)
31	9.72	11.51	302-17-31	302-27-31	302-47-31	302-37-31
31+	9.84	11.63	302-17-31+	302-27-31+	302-47-31+	302-37-31+
32	9.96	11.75	302-17-32	302-27-32	302-47-32	302-37-32
32+	10.07	11.87	302-17-32+	302-27-32+	302-47-32+	302-37-32+
33	10.19	11.99	302-17-33	302-27-33	302-47-33	302-37-33
33+	10.30	12.12	302-17-33+	302-27-33+	302-47-33+	302-37-33+
34	10.42	12.24	302-17-34	302-27-34	302-47-34	302-37-34
34+	10.54	12.36	302-17-34+	302-27-34+	302-47-34+	302-37-34+
35	10.65	12.48	302-17-35	302-27-35	302-47-35	302-37-35
35+	10.77	12.61	302-17-35+	302-27-35+	302-47-35+	302-37-35+
36	10.88	12.73	302-17-36	302-27-36	302-47-36	302-37-36
36+	11.00	12.85	302-17-36+	302-27-36+	302-47-36+	302-37-36+
37	11.12	12.97	302-17-37	302-27-37	302-47-37	302-37-37
37+	11.23	13.09	302-17-37+	302-27-37+	302-47-37+	302-37-37+
38	11.35	13.22	302-17-38	302-27-38	302-47-38	302-37-38
38+	11.46	13.34	302-17-38+	302-27-38+	302-47-38+	302-37-38+
39	11.58	13.46	302-17-39	302-27-39	302-47-39	302-37-39
39+	11.70	13.59	302-17-39+	302-27-39+	302-47-39+	302-37-29

## First molar bands with\*\*

### Non-convertible buccal tube

		Description	Side/ R		Side / L	
			.018"	.022"	.018"	.022"
MAXILLARY	ROTH	Single buccal tube	303-1816-1-#	303-2216-1-#	303-1826-1-#	303-2226-1-#
	MBT		305-1816-1-#	305-2216-1-#	305-1826-1-#	305-2226-1-#
	EDGEWISE		307-1816-1-#	307-2216-1-#	307-1826-1-#	307-2226-1-#
	ROTH	Double buccal tube	303-1816-2-#	303-2216-2-#	303-1826-2-#	303-2226-2-#
	MBT		305-1816-2-#	305-2216-2-#	305-1826-2-#	305-2226-2-#
	EDGEWISE		307-1816-2-#	307-2216-2-#	307-1826-2-#	307-2226-2-#
MANDIBULAR	ROTH	Single buccal tube	303-1846-1-#	303-2246-1-#	303-1836-1-#	303-2236-1-#
	MBT		305-1846-1-#	305-2246-1-#	305-1836-1-#	305-2236-1-#
	EDGEWISE		307-1846-1-#	307-2246-1-#	307-1836-1-#	307-2236-1-#
	ROTH	Double buccal tube	303-1846-2-#	303-2246-2-#	303-1836-2-#	303-2236-2-#
	MBT		305-1846-2-#	305-2246-2-#	305-1836-2-#	305-2236-2-#
	EDGEWISE		307-1846-2-#	307-2246-2-#	307-1836-2-#	307-2236-2-#



## First molar bands with\*\*

### Non-convertible buccal tube

Description (1-1,4pcs )	Roth		MBT		Edgewise	
	Item NO.		Item NO.		Item NO.	
	.018"	.022"	.018"	.022"	.018"	.022"
Upper 1,Lower 1	H303-18-1-#	H303-22-1-#	H305-18-1-#	H305-22-1-#	H307-18-1-#	H307-22-1-#
Upper 2,Lower 1	H303-18-2-#	H303-22-2-#	H305-18-2-#	H305-22-2-#	H307-18-2-#	H307-22-2-#
Upper 2,Lower 2	H303-18-3-#	H303-22-3-#	H305-18-3-#	H305-22-3-#	H307-18-3-#	H307-22-3-#

## First molar bands with\*\*

### Convertible buccal tube

		Description	Side/ R		Side / L	
			.018"	.022"	.018"	.022"
MAXILLARY	ROTH	Single buccal tube	304-1816-1-#	304-2216-1-#	304-1826-1-#	304-2226-1-#
	MBT		306-1816-1-#	306-2216-1-#	306-1826-1-#	306-2226-1-#
	EDGEWISE		308-1816-1-#	308-2216-1-#	308-1826-1-#	308-2226-1-#
	ROTH	Double buccal tube	304-1816-2-#	304-2216-2-#	304-1826-2-#	304-2226-2-#
	MBT		306-1816-2-#	306-2216-2-#	306-1826-2-#	306-2226-2-#
	EDGEWISE		308-1816-2-#	308-2216-2-#	308-1826-2-#	308-2226-2-#
	ROTH	Triple buccal tube	304-1816-3-#	304-2216-3-#	304-1826-3-#	304-2226-3-#
	MBT		306-1816-3-#	306-2216-3-#	306-1826-3-#	306-2226-3-#
	EDGEWISE		308-1816-3-#	308-2216-3-#	308-1826-3-#	308-2226-3-#
MANDIBULAR	ROTH	Single buccal tube	304-1846-1-#	304-2246-1-#	304-1836-1-#	304-2236-1-#
	MBT		306-1846-1-#	306-2246-1-#	306-1836-1-#	306-2236-1-#
	EDGEWISE		308-1846-1-#	308-2246-1-#	308-1836-1-#	308-2236-1-#
	ROTH	Double buccal tube	304-1846-2-#	304-2246-2-#	304-1836-2-#	304-2236-2-#
	MBT		306-1846-2-#	306-2246-2-#	306-1836-2-#	306-2236-2-#
	EDGEWISE		308-1846-2-#	308-2246-2-#	308-1836-2-#	308-2236-2-#

## Second molar bands with\*\*

### Non-convertible buccal tube

		Description	Side/ R		Side / L	
			.018"	.022"	.018"	.022"
MAXILLARY	ROTH	Single buccal tube	309-1816-1-#	309-2216-1-#	309-1826-1-#	309-2226-1-#
	MBT		310-1816-1-#	310-2216-1-#	310-1826-1-#	310-2226-1-#
	EDGEWISE		311-1816-1-#	311-2216-1-#	311-1826-1-#	311-2226-1-#
MANDIBULAR	ROTH	Single buccal tube	309-1846-1-#	309-2246-1-#	309-1836-1-#	309-2236-1-#
	MBT		310-1846-1-#	310-2246-1-#	310-1836-1-#	310-2236-1-#
	EDGEWISE		311-1846-1-#	311-2246-1-#	311-1836-1-#	311-2236-1-#



## Second molar bands with\*\*

### Non-convertible buccal tube

Description (1-1,4pcs )	Roth		MBT		Edgewise	
	Item NO.		Item NO.		Item NO.	
	.018"	.022"	.018"	.022"	.018"	.022"
Upper 1, Lower 1	H309-18-1-#	H309-22-1-#	H310-18-1-#	H310-22-1-#	H311-18-1-#	H311-22-1-#

## \* Choose your Lingual Attachment

Create your preferred band assembly by choosing from a cleat, or sheath.



## First molar bands with\*\*

### Convertible buccal tube

Description (1-1,4pcs )	Roth		MBT		Edgewise	
	Item NO.		Item NO.		Item NO.	
	.018"	.022"	.018"	.022"	.018"	.022"
Upper 1, Lower 1	H304-18-1-#	H304-22-1-#	H306-18-1-#	H306-22-1-#	H308-18-1-#	H308-22-1-#
Upper 2, Lower 1	H304-18-2-#	H304-22-2-#	H306-18-2-#	H306-22-2-#	H308-18-2-#	H308-22-2-#
Upper 2, Lower 2	H304-18-3-#	H304-22-3-#	H306-18-3-#	H306-22-3-#	H308-18-3-#	H308-22-3-#
Upper 3, Lower 2	H304-18-4-#	H304-22-4-#	H306-18-4-#	H306-22-4-#	H308-18-4-#	H308-22-4-#




# ORTHODONTIC ACCESSORIES





## Accessories




### Bondable lingual button

	Description (10pcs/pk )	Item NO.
	Round	H501-1
	Oval	H501-2
	Trapezoid	H501-3
	Hole base	H501-4
	Ceramic button	H501-5
	Sandblasted base	H520-1


### Lingual cleats

	Description (10pcs/pk )	Item NO.
	Round	H502-1
	Oval	H502-2
	Trapezoid	H502-3
	--	H502-4


### Button eyelets with chain

	Description (2pcs/pk )	Item NO.
	Common	H503-1
	Golden	H503-2


### Traction Hook

	Description (10pcs/pk )	Item NO.
	1#	H503-3
	2#	H503-4


### Lingual sheaths

	Description (10pcs/pk )	Item NO.
	Without hook	H504-1
	With hook	H504-2


### Archwire stop

	Description (10pcs/pk )	Item NO.
	Open	H505-1
	Seal	H505-2


### Cross tube

	Description (10pcs/pk )	Item NO.
	Cross	H505-3
	Parallel	H505-4

### Power hook

	Description (10pcs/pk )	Item NO.
	Long - right	H507-1
	Long - left	H507-2
	Middle - right	H507-3
	Middle - left	H507-4
	Short - right	H507-5
	Short - left	H507-6


### Crimpable hook

	Description (10pcs/pk )	Item NO.
	Long	H506-1
	Middle	H506-2
	Short	H506-3




# ORTHODONTIC INSTRUMENTS


## Lingual retainer

	Description (2pcs/pk )	Item NO.
	Upper - 22#	H508-1
	Upper - 24#	H508-2
	Upper - 26#	H508-3
	Upper - 28#	H508-4
	Upper - 30#	H508-5
	Lower - 27#	H508-6
	Lower - 29#	H508-7
	Lower - 31#	H508-8
	Lower - 33#	H508-9
	Lower - 35#	H508-10


## Power Multi-hooks

	Description (10pcs/pk )	Item NO.
	2 hooks(L)	H509-1
	2 hooks(R)	H509-2
	3 hooks(L)	H510-1
	3 hooks(R)	H510-2


## Bite Turbos

	Description (10pcs/pk )	Item NO.
	--	H511


## Bondable Eyelets

	Description (10pcs/pk )	Item NO.
	Rectangle	H512
	Round	H515-1


## Lingual screw

	Description (10pcs/pk )	Item NO.
	--	H513


## Bondable Power Hook

	Description (10pcs/pk )	Item NO.
	Left	H516-1
	Right	H516-2


## New Crimpable Hook

	Description (10pcs/pk )	Item NO.
	--	H520-2

## Sliding Hook

	Description (10pcs/pk )	Item NO.
	--	H520-3

## Open Sliding Hook

	Description (10pcs/pk )	Item NO.
	Left	H521-2-1
	Right	H521-2-2



## Instruments



To cut ligature wire and rubber band with diameter of and below 0.3mm (Cannot be used to cut main archwire).Max.: 0.012"



To cut distal end of overlong archwires and reliably clamp the cut of the archwire. Max.:0.021X0.025"



To make precise loops.



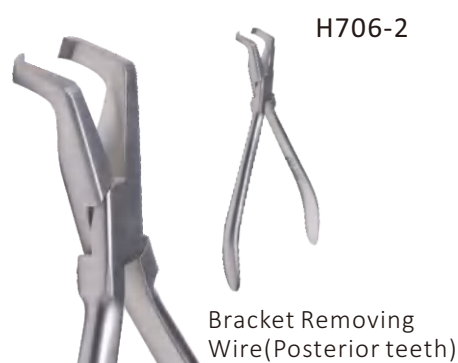
To bend archwires to different specifications and fine loops, and the middle part of the jaw is used for cutting.Max.: 0.030"



To cut thick wires. Useful for cutting thick wires of oral. Max.: 0.030"



To remove brackets of teeth.



To remove brackets of teeth.



To remove the cap of convertible buccal tubes.



To remove the posterior band as well as the bracket attachments adhering directly to teeth.

## Instruments



To remove adhesive of teeth.



To clip and lock the crimpable hook.



To bend into edgewise torque and often be used in pair. Max.: 0.022X0.028"



To bend, level and cut. Max.: 0.020"



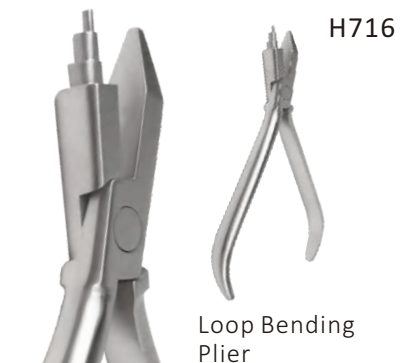
To bend multi-loop edgewise torque and the middle part of the jaw is with cutting function. Max.: 0.022"



To bend small loops of archwire, stop-loop and Q-loop of distal end, etc.Max.: 0.020"



To bend distal end of the Niti archwires, thus the damage of oral soft issue from the archwire end can be avoided. Max.: 0.020"



To bend various diameter-fixed small circular loops of the multi-loop edgewise torque. Max.: 0.022X0.028"



To bend and shape, and cut the thick wires.



To place elastic ring to the separate teeth gap.

To make V loops, regularly used in the adjustment and shaping of arcwires, ligature wires and traction attachments.

To for omega loops.




To bend the end of archwires with serrated end design, precise matching, stable clamping of archwires.



**Use:** all pliers should be used within the stipulated period, otherwise the pliers might be damaged.  
**Sterilization:** sterilization under high-temperature and high pressure (Internal temperature 135°C).  
**Clearance:** pliers should be cleansed immediately after being used; otherwise they would be discolored or be oxidized. Clear and clean pliers will be last long.  
**Corrosion:** the pliers have a strong resistance to corrosion. However, they would go yellow and look like rusty if not cleaned. Rust-preventive oil should be used in storing the pliers.

Special designed handle is in line with human engineering and easy to hold and control. For its multi-hole design, it could not only resist slipping but also lighten the plier to make the operation easier and more comfortable.


The beak of plier was designed into many different concave odontogram according to the different dissected shape of teeth. It is good at coherence and slip prevention, holding the teeth or roots steadily and making the extraction easily.



**Star-like Bracket Positioning Gauge**

Application:

To precisely placement the bracket on the correct position.




**Bracket Positioning Gaug**

Application:


To precisely placement the bracket on the correct position

L	4.0mm 6.0mm	4.5mm 5.0mm	H720-2-1
M	3.5mm 5.0mm	4.0mm 4.5mm	H720-2-2
S	2.0mm 3.5mm	2.5mm 3.0mm	H720-2-3




**Arch Turret**


with torque	H725-1
no torque	H725-2




**Orthodontic Stainless Steel Reflectors Mirrors**




**Orthodontic Stainless Steel Reflectors Mirrors**




**Bracket Placement Tweezers**



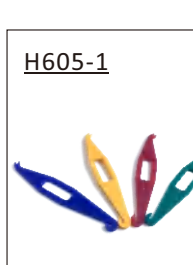
**Self-ligating Bracket Instrument**



**Orthodontic Wax**



**Interproximal Reduction**



**ligature Rubber Bands Placer**

20pcs/pk  
50pcs/pk

# CERTIFICATE



CE



ISO



FDA



MHRA

Dealers are welcome  
to cooperate with us



FREE SALE CERTIFICATE



EMBASSY CERTIFICATION

-EC Declaration of conformity

-Embassy certification

can be provided

With legalization